ARCHITECTURE

T M P ARCHITECTURE I N C
1191 WEST SQUARE LAKE ROAD · BLOOMFIELD HILLS · MICHIGAN · 48302
PH · 248.338.4561 FX · 248.338.0223 EM · INFO @TMP-ARCHITECTURE.COM

CANTON HIGH SCHOOL REMODELING

PLYMOUTH-CANTON COMMUNITY SCHOOLS

CANTON, MI

PROJECT NUMBER 13083E

CONSTRUCTION DOCUMENTS - BID PACKAGE NO. 9

CONSULTANTS:

MECHANICAL ENGINEER

PETER BASSO ASSOCIATES INC.
CONSULTING ENGINEERS
5145 LIVERNOIS ROAD, SUITE 100
TROY, MICHIGAN 48098-3276
PHONE: (248) 879-5666
FAX: (248) 879-0007

ELECTRICAL ENGINEER

PETER BASSO ASSOCIATES INC.
CONSULTING ENGINEERS
5145 LIVERNOIS ROAD, SUITE 100
TROY, MICHIGAN 48098-3276
PHONE: (248) 879-5666
FAX: (248) 879-0007

LIST OF DRAWINGS

GENERAL INFORMATION
TS.1 COVER SHEET
TG.1 GENERAL INFORMATION

ARCHITECTURAL
AC.1 FIRST LEVEL COMPOSITE PLAN
AC.2 SECOND LEVEL COMPOSITE PLAN

A0.1 DOOR & FRAME SCHEDULE

A0.1B FIRST LEVEL DEMOLITION PLAN - ZONE 'B'
A0.1C FIRST LEVEL DEMOLITION PLAN - ZONE 'C'
A0.1D FIRST LEVEL DEMOLITION PLAN - ZONE 'D'
A0.1E FIRST LEVEL DEMOLITION PLAN - ZONE 'E'
A0.1F FIRST LEVEL DEMOLITION PLAN - ZONE 'F'
A0.1G FIRST LEVEL DEMOLITION PLAN - ZONE 'G'
A0.1H FIRST LEVEL DEMOLITION PLAN - ZONE 'H'
A0.1J FIRST LEVEL DEMOLITION PLAN - ZONE 'J'
A0.1K FIRST LEVEL DEMOLITION PLAN - ZONE 'K'
A0.1M FIRST LEVEL DEMOLITION PLAN - ZONE 'M'

A0.2B SECOND LEVEL DEMOLITION PLAN - ZONE 'B'
A0.2C SECOND LEVEL DEMOLITION PLAN - ZONE 'C'
A0.2D SECOND LEVEL DEMOLITION PLAN - ZONE 'D'
A0.2E SECOND LEVEL DEMOLITION PLAN - ZONE 'E'
A0.2F SECOND LEVEL DEMOLITION PLAN - ZONE 'F'
A0.2K SECOND LEVEL DEMOLITION PLAN - ZONE 'K'

A1.1B FIRST LEVEL PLAN - ZONE 'B'
A1.1C FIRST LEVEL PLAN - ZONE 'C'
A1.1D FIRST LEVEL PLAN - ZONE 'D'
A1.1E FIRST LEVEL PLAN - ZONE 'E'
A1.1F FIRST LEVEL PLAN - ZONE 'F'
A1.1G FIRST LEVEL PLAN - ZONE 'G'
A1.1H FIRST LEVEL PLAN - ZONE 'H'
A1.1K FIRST LEVEL PLAN - ZONE 'K'
A1.1M FIRST LEVEL PLAN - ZONE 'M'

A1.2B SECOND LEVEL PLAN - ZONE 'B'
A1.2C SECOND LEVEL PLAN - ZONE 'C'
A1.2E SECOND LEVEL PLAN - ZONE 'E'
A1.2K SECOND LEVEL PLAN - ZONE 'K'

ARCHITECTURAL
A2.1B FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'B'
A2.1C FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'C'
A2.1D FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'D'
A2.1E FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'E'
A2.1F FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'F'
A2.1H FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'H'
A2.1J FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'J'
A2.1K FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'K'
A2.1M FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'M'

A2.2B SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'B'
A2.2C SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'C'
A2.2D SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'D'
A2.2E SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'E'
A2.2F SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'F'

A5.1 DETAILS

A10.1D FIRST LEVEL FINISH PLAN - ZONE 'D'
A10.1E FIRST LEVEL FINISH PLAN - ZONE 'E'
A10.1K FIRST LEVEL FINISH PLAN - ZONE 'K'
A10.1M FIRST LEVEL FINISH PLAN - ZONE 'M'

MECHANICAL
M0.1 MECHANICAL STANDARDS AND DRAWING INDEX

ME1.1 MECHANICAL AND ELECTRICAL ROOF PLAN
ME1.2 MECHANICAL AND ELECTRICAL ROOF PLAN

M4.1E FIRST FLOOR SHEET METAL PLAN - ZONE E

M5.1 ENLARGED MECHANICAL ROOM PLANS

M6.1 MECHANICAL DETAILS

M7.1 MECHANICAL SCHEDULES
M7.2 MECHANICAL SCHEDULES
M7.3 MECHANICAL SCHEDULES

M8.1 TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES
M8.2 TEMPERATURE CONTROLS

ELECTRICAL
E0.1 ELECTRICAL STANDARDS AND DRAWING INDEX
E0.2 ELECTRICAL STANDARD SCHEDULES
E0.3 FIRST FLOOR ELECTRICAL COMPOSITE PLAN
E0.4 SECOND FLOOR ELECTRICAL COMPOSITE PLAN

ED1.1D FIRST FLOOR ELECTRICAL DEMOLITION PLAN - ZONE D
ED1.1E FIRST FLOOR ELECTRICAL DEMOLITION PLAN - ZONE E

E2.1D FIRST FLOOR LIGHTING PLAN - ZONE D
E2.1E FIRST FLOOR LIGHTING PLAN - ZONE E
E2.2E SECOND FLOOR LIGHTING PLAN - ZONE E

E3.1D FIRST FLOOR POWER PLAN - ZONE D

E4.1 ENLARGED ELECTRICAL PLANS
E4.2 ENLARGED ELECTRICAL MEZZANINE PLANS

E7.1 ELECTRICAL DETAILS AND DIAGRAMS
E7.2 ELECTRICAL DETAILS AND DIAGRAMS

PROJECT DATA:

LOCATION MAP

ADDRESS: PLYMOUTH CANTON SCHOOLS
8415 CANTON CENTER ROAD
CANTON, MICHIGAN, 48187

BUILDING:

BUILDING AREA(S) = 404,000 SQ. FT. (EXISTING)

CODE:

GOVERNING CODES :
- 2016 SCHOOL FIRE SAFETY RULES (2012 Life Safety Code, plus amendments)
- 2012 MICHIGAN BUILDING CODE
- 2012 MICHIGAN PLUMBING CODE
- 2012 MICHIGAN MECHANICAL CODE
- 2009 MICHIGAN UNIFORM ENERGY CODE (ANSI/ASHRAE/IESNA Standard 90.1-2007)
- 2014 MICHIGAN ELECTRICAL RULES (2014 NEC, plus Part 8 Rules)
- 2010 MICHIGAN ELEVATOR RULES (ASME A17.1-2010, ASME A18.1-2011)
- MICHIGAN BARRIER FREE CODE (Michigan Building Code 2012 and ICC A117.1-2009)
- 2013 MICHIGAN BOILER CODE RULES (ASME Boiler and Pressure Vessel Code, 2010 edition, plus 2011a addenda) (National Board Inspection Code [NBIC], 2011 edition)

CONSTRUCTION CLASSIFICATION : MBC II B
NFPA II(000)

USE GROUP CLASSIFICATION : EDUCATION (E)

DATE	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

LICENSEE'S STATEMENT:

This Document has been prepared under the supervision of the Architect, as the person in Responsible Charge with the firm of TMP ARCHITECTURE, INC. An original embossed or rubber stamp seal and original signature of the Architect is required and shall be affixed to any copy of this Document submitted to a governmental agency for approval or record. This is in conformance with the State of Michigan's PA 299, Article 20 and the General Rules of the Board of Architects.

The Architect's seal provided hereon does not take responsibility for certain portions of the Documentation or project requiring the services of a licensed Professional Engineer or other design professional. An original embossed or rubber stamp seal and original signature of the Professional Engineer is required and shall be affixed to any copy of this or other Document submitted to a governmental agency for approval or record. The engineering firms associated with this document are listed above as Consultants.

REGISTRATION SEALS

COPYRIGHT

PROJECT TITLE
Canton H.S. Remodeling

PROJECT NO.
13083E

DRAWING NO.
TS.1

ABBREVIATIONS

A

A.F.F.	ABOVE FINISH FLOOR
A.R.F.	ABOVE REFERENCE FLOOR
ABR.	ABRASIVE
ABS.	ABSORBING
ACC.	ACCESS
ACC. PNL	ACCESS PANEL
AC.	ACOUSTIC/ACOUSTICAL
ACT	ACOUSTIC TILE
AC. INSUL.	ACOUSTIC INSULATION
ADD.	ADDENDUM
ADDN.	ADDITION
ADDNL.	ADDITIONAL
ADH.	ADHESIVE
ADJ.	ADJUSTIBLE
AGGR.	AGGREGATE
A/C	AIR CONDITIONING
A.C.U.	AIR CONDITIONING UNIT
A.H.U.	AIR HANDLING UNIT
ALT.	ALTERNATE
ALUM./AL	ALUMINUM
AMT	AMOUNT
ANCH.	ANCHOR
A.B.	ANCHOR BOLT
&	AND
ANG./ L or ∠	ANGLE
ANOD.	ANODIZED
APR.	APPROVED
APPR.	APPROXIMATE
ARCH.	ARCHITECT/ARCHITECTURAL
ASPH.	ASPHALT
ASSY.	ASSEMBLY
@	AT
AUTO.	AUTOMATIC
A.S.R.	AUTOMATIC SPRINKLER RISER
AUX.	AUXILIARY
AVG.	AVERAGE

B

B/B	BACK-TO-BACK
B.F.	BARRIER FREE
B.B.R.	BASE BOARD RADIATION
B.PL	BASE PLATE
BM	BEAM
B/C	BACK OF CURB
BRG	BEARING
B.M.	BENCH MARK
BT	BENT
BETW.	BETWEEN
BIT.	BITUMINOUS
BLKG	BLOCKING
BD	BOARD
BK. SH.	BOOK SHELVES
B.S.	BOTH SIDES
BOT.	BOTTOM
BOT. EL.	BOTTOM ELEVATION
BLVD	BOULEVARD
BDRY	BOUNDARY
BRKT	BRACKET
BR.	BRASS
BRZ	BRONZE
BLDG.	BUILDING
B.L.	BUILDING LINE
B.U.R.	BUILT-UP ROOFING
B.N.	BULLNOSE
BULL.	BULLETIN

C

CAB.	CABINET
C.U.H.	CABINET UNIT HEATER
CAP.	CAPACITY
CPT	CARPET
C.R.S.	CARPET REDUCER STRIP
CSMT	CASMENT
CSWRK	CASEWORK
CSG	CASING
C.I.	CAST IRON
C.I.F.	CAST IRON FRAME
C.I.P.	CAST IRON PIPE/CAST-IN-PLACE
CAT. NO.	CATALOG NUMBER
C.B.	CATCH BASIN
CLG.	CEILING
C.D.	CEILING DIFFUSER
CLG. HT.	CEILING HEIGHT
CEM.	CEMENT
CEM. PLAS.	CEMENT PLASTER
CTR	CENTER
℄	CENTERLINE
C/C	CENTER-TO-CENTER
CER.	CERAMIC
C.T.	CERAMIC TILE
C.BD.	CHALKBOARD
CHAM.	CHAMFER
CHG.	CHANGE
CHAN. or [	CHANNEL
CHKD. PL.	CHECKERED PLATE
CHD	CHORD
CIRCUM.	CIRCUMFERENCE
CL.	CLASS
CLRM	CLASSROOM
C.O.	CLEAN OUT
CLR	CLEAR
CLO.	CLOSURE
CW	COLD WATER
COL.	COLUMN
CO.	COMPANY
COMPT.	COMPARTMENT
COMPO.	COMPOSITION
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
COND.	CONDUIT
CONF.	CONFERENCE
CONN.	CONNECT
CONST.	CONSTRUCTION
C.J.	CONTROL JOINT
CONT.	CONTINUE/CONTINUOUS
CONTR.	CONTRACTOR
C.P.	CONTROL PANEL
CONV.	CONVECTOR
CNVYR	CONVEYOR
COR.	CORNER
C.G.	CORNER GUARD
CORR.	CORRIDOR/CORRUGATED
CPR	COPPER
CNTR	COUNTER
CTSK	COUNTERSINK
CRS.	COURSE
COV.	COVER
COV. PL.	COVER PLATE
C.C.T.	CUBICAL CURTAIN TRACK
CU.FT.	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CY	CUBIC YARD
CULV.	CULVERT

D

DMPFG	DAMPPROOFING
D.L.	DEAD LOAD
DWG.	DRAWING
DMT. PARTN	DEMOUNTABLE PARTITION
DEPT.	DEPARTMENT
DEPR.	DEPRESSED
DES.	DESIGN
DET.	DETAIL
DIAG.	DIAGONAL
DGM	DIAGRAM
DIA.	DIAMETER
DIFF.	DIFFUSER
DIM.	DIMENSION
DIR.	DIRECTORY
DISC.	DISCONNECT
DISCONT.	DISCONTINUOUS
DW	DISHWASHER
DISP.	DISPENSER
DIST.	DISTANCE
DO	DITTO (DO OVER)
DIV.	DIVIDER/DIVISION
DR.	DOOR
D.O.	DOOR OPENING
DR. OP.	DOOR OPERATOR
DBL.	DOUBLE
D.A.	DOUBLE ACTING
D.H.	DOUBLE HUNG
DWL.	DOWEL
DN	DOWN
D.S.	DOWNSPOUT
DRN	DRAIN
D.T.	DRAIN TILE
D.T.C.	DRAIN TILE CONNECTOR
DWR	DRAWER
DWG	DRAWING
D.F.	DRINKING FOUNTAIN
DUP.	DUPLICATE

E

EA	EACH
E.F.	EACH FACE
E.W.	EACH WAY
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
ELAST.	ELASTOMERIC
ELAST. FLASH.	ELASTOMERIC FLASHING
ELAST. W.P.	ELASTOMERIC WATERPROOFING
E.S.R.	ELASTOMERIC SHEET ROOFING
ELEC.	ELECTRIC/ELECTRICAL
ELEC. CL.	ELECTRICAL CLOSET
ELEC. CAB.	ELECTRICAL CABINET
E.C.	ELECTRICAL CONTRACTOR
E.P.	ELECTRICAL PANEL
EWC	ELECTRIC WATER COOLER
EL.	ELEVATION
ELEV.	ELEVATOR
EMERG.	EMERGENCY
ENCL.	ENCLOSURE
ENGR	ENGINEER
E/E	END-TO-END
ENTR.	ENTRANCE/ENTRY
EP.	EPOXY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ.	EQUAL
EQUIP.	EQUIPMENT
EQUIV.	EQUIVALENT
EST.	ESTIMATE
EXC.	EXCAVATED
EXH.	EXHAUST
E.D.	EXHAUST DUCT
E.F.	EXHAUST FAN
E.G.	EXHAUST GRILLE
E.R.	EXHAUST REGISTER
EXIST.	EXISTING
EXP.	EXPANSION
EXP.B.	EXPANSION BOLT
E.J.	EXPANSION JOINT
EXP'D	EXPOSED
EXT'N	EXTENSION
EXT.	EXTERIOR
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
E.H.	EXTRA HEAVY
EXTR.	EXTRUDED

F

FAB.	FABRICATED/FABRIC
F/F	FACE-TO-FACE
F. FIN.	FACTORY FINISH
F.C.U.	FAN COIL UNIT
FAS.	FASTENER
FT or '	FEET/FOOT
FN	FENCE
F.BD.	FORM BOARD
FIG.	FIGURE
FIN.	FINISH/FINISHED
FIN. FLR/F.F.	FINISH FLOOR
F.T.R.	FINNED TUBE RADIATION
F.A.	FIRE ALARM
F.A.C.P.	FIRE ALARM CONTROL PANEL
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.C.	FIRE HOSE CABINET
F.H.	FIRE HYDRANT
F.L.	FIRE LINE
F.R.	FIRE RETARDANT/FIRE RATED
F.R.T.WD	FIRE RETARDANT TREATED WOOD
F.V.C.	FIRE VALVE CABINET
FPRFG.	FIREPROOFING
FIXT.	FIXTURE
FLASH.	FLASHING
F.C.	FLEXIBLE CONNECTION
FLR	FLOOR
F.C.O.	FLOOR CLEAN OUT
F.D.	FLOOR DRAIN
FLR. FIN.	FLOOR FINISH
FLUOR.	FLUORESCENT
FLDG	FOLDING
FTG	FOOTING
FM. BD	FORMBOARD
FDN	FOUNDATION
FR.	FRAME
FR/COV.	FRAME AND COVER
FRMG	FRAMING
F.S.	FULL SIZE
FURN.	FURNISH/FURNISHED
FURR.	FURRING/FURRED
FUT.	FUTURE

G

GA.	GAUGE
GALV.	GALVANIZED
G	GAS
GSKT	GASKET
GEN'L.	GENERAL
GL.	GLASS
GLZ	GLAZING
G.H.T.	GLAZED HOLLOW TILE
G.B.	GRAB BAR
GR.	GRADE/GRILLE
GB	GRADE BEAM
GRAT.	GRATING
G.L.	GRID LINE
GRN	GRANITE
GND	GROUND
G.F.I.	GROUND FAULT INTERRUPTOR
GT	GROUT
G.	GUTTER ELEVATION
GYP.	GYPSUM
GYP.BD.	GYPSUM BOARD

H

H.R.	HANDRAIL
H.BD	HARDBOARD
HDWE	HARDWARE
HDWD	HARDWOOD
HD	HEAD
HDR	HEADER
H.A. GL.	HEAT ABSORBING GLASS
HTR	HEATER
HTG	HEATING
H/V	HEATING AND VENTILATING
H.V.A.C.	HEATING, VENTILATING AND AIR CONDITIONING
HGT	HEIGHT
HEX.	HEXAGON
H.	HIGH
H.P.	HIGH POINT
H.S.	HIGH STRENGTH
H.S.B.	HIGH STRENGTH BOLT
HWY	HIGHWAY
HSTWY	HOISTWAY
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HNYCB	HONEYCOMB
HK	HOOK
HORIZ.	HORIZONTAL
H.B.	HOSE BIBB
H.S.P.	HOSE STAND PIPE
H.V.C.	HOSE VALVE CABINET
HR.	HOUR
H.O.	HUB OUTLET
HYD.	HYDRANT/HYDRAULIC

I

I.D.	IDENTIFICATION
IN. or "	INCH/INCHES
INCL.	INCLUDE/INCLUDING
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INST'L.	INSTALL/INSTALLATION
INSUL.	INSULATE/INSULATION
INT.	INTERIOR
INV.	INVERT
I.E.	INVERT ELEVATION

J

J.C.	JANITOR CLOSET
JT	JOINT
JST	JOIST

K

K.P.	KICK PLATE
KIT.	KITCHEN
K.D.	KNOCK DOWN
K.O.P.	KNOCK-OUT PANEL

L

LBL.	LABEL
LAB.	LABORATORY
L.B.	LAG BOLT
LAM.	LAMINATE/LAMINATED
LDG	LANDING
LGE	LARGE
LDRY	LAUNDRY
LAV.	LAVATORY
L.H.	LEFT HAND
L.H.R.B.	LEFT HAND REVERSE BEVEL
LGTH	LENGTH
LEV.	LEVEL
LT.	LIGHT
LPRF	LIGHTPROOF
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LTWT. CONC.	LIGHTWEIGHT CONCRETE
LMS	LIMESTONE
LTL	LINTEL
LIN. DIFF.	LINEAR DIFFUSER
L.F.	LINEAR FEET/FOOT
L.L.	LIVE LOAD
LOC.	LOCATION
LKR	LOCKER
LG	LONG
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
LVR	LOUVER
L.O.	LOUVER OPENING
L.P.	LOW POINT
LBR	LUMBER
LBS. or #	POUNDS

M

MACH.	MACHINE
M.B.	MARKER BOARD
MACH. RM	MACHINE ROOM
M.A.U.	MAKE-UP AIR UNIT
MAINT.	MAINTENANCE
MH.	MANHOLE
MFR	MANUFACTURER
MAR.	MARBLE
MAS.	MASONRY
M.O.	MASONRY OPENING
MATL	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MED.	MEDIUM
MEMB.	MEMBRANE
MET.	METAL
M.D.S.	METAL DIVIDER STRIP
M.E.S.	METAL EDGE STRIP
M.L.	METAL LATH
M.L.& PLAS.	METAL LATH AND PLASTER
M.T.	METAL THRESHOLD
MET. W.P.	METALLIC WATERPROOFING
MEZZ.	MEZZANINE
MWK	MILLWORK
MIN.	MINIMUM
MIR.	MIRROR
M.&S.	MIRROR AND SHELF
MISC.	MISCELLANEOUS
M.I.	MISCELLANEOUS IRON
MOD.	MODEL
MON.	MONUMENT
M.S.& S.	MOP STRIP AND SHELF
M.O.D.	MOTOR OPERATED DAMPER
MLDG	MOULDING
MTD	MOUNTED
MULL	MULLION

N

NAT.	NATURAL
N.S.	NEAR SIDE
NRC	NOISE REDUCTION COEFFICIENT
NOM.	NOMINAL
NOR.	NORMAL
N	NORTH
NOS.	NOSING
N.I.C.	NOT-IN-CONTRACT
N.T.S.	NOT-TO-SCALE
NO. or #	NUMBER

O

OBS.	OBSCURE
O.C.	ON CENTER
OPQ.	OPAQUE
OPG.	OPENING
OPER.	OPERATOR
OPP.	OPPOSITE
OPP.HD.	OPPOSITE HAND
ORIG.	ORIGINAL
ORN.	ORNAMENTAL
OZ.	OUNCE
O/O	OUT-TO-OUT
O.A.	OUTSIDE AIR
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
O.A.	OVERALL
OHD	OVERHEAD
OHD.DR	OVERHEAD DOOR

P

PTD	PAINTED
PR	PAIR
PNL	PANEL
P.T.D.	PAPER TOWEL DISPENSER
P.T.W.R.	PAPER TOWEL WASTE RECEPTACLE
PRL	PARALLEL
PKG	PARKING
P.BD	PARTICLE BOARD
PRTN	PARTITION
PASS.	PASSAGE
PVMT	PAVEMENT
PVG	PAVING
PED.	PEDESTAL
PERF.	PERFORATED
PERIM.	PERIMETER
PERM.	PERMANENT
PERP.	PERPENDICULAR
PHOTO.	PHOTOGRAPH
P.H.	PHYSICALLY HANDICAPPED
PC.	PIECE
PCS.	PIECES
PLAS.	PLASTER
PL. LAM.	PLASTIC LAMINATE
PL.	PLATE
PLBG	PLUMBING
PLWD	PLYWOOD
PT	POINT
P.T.	POINT OF TANGENCY
P.C.	POINT OF CURVATURE
POL.	POLISH/POLISHED
PVC	POLYVINYLCLORIDE
PORC.	PORCELAIN
PORC. ENAM.	PORCELAIN ENAMEL
POR.	POROUS
PORT.	PORTABLE
POS.	POSITION
PSI	POUNDS PER SQUARE INCH
PCF	POUNDS PER CUBIC FOOT
P.P	POWER PANEL
P/C	PRECAST
P.T.R.	PRECAST TERRAZZO RECEPTOR
PREFAB.	PREFABRICATED
PFN.	PREFINISHED
P.T.WD	PRESERVATIVE TREATED WOOD
PRIM.	PRIMARY
PROJ.	PROJECT/PROJECTION
PROP.	PROPERTY/PROPOSED
P.L.	PROPERTY LINE
P.A.	PUBLIC ADDRESS
P.S.	PURSE SHELF
P.B.	PUSH BUTTON

Q

QTY	QUANTITY
Q.T.	QUARRY TILE
QTR	QUARTER
QTR. RD	QUARTER ROUND

R

RBT	RABBET
RAD.	RADIUS
R.W.C.	RAIN WATER CONDUCTOR
RECV.	RECEIVE/RECEIVING
RECPT.	RECEPTACLE
R.P.	RECEPTACLE PANEL
REC.	RECESS
RECT.	RECTANGLE/RECTANGULAR
RED.	REDUCER
RWD	REDWOOD
REF.	REFER/REFERENCE
REFL.	REFLECTED/REFLECTIVE
REFR.	REFRIGERATOR
REINF.	REINFORCE/REINFORCING/REINFORCEMENT
REM.	REMOVE/REMOVABLE
REQ'D.	REQUIRED
RESIL.	RESILIENT
REV.	REVISED/REVISION
R.	RISER
R.H.	RIGHT HAND
R.H.R.B.	RIGHT HAND REVERSE BEVEL
R.O.W.	RIGHT OF WAY
RD	ROAD
R.S.C.	ROLLING STEEL CURTAIN
R.C.	ROOF CONDUCTOR
R.D.	ROOF DRAIN
R.H.	ROOF HATCH
R.S.	ROOF SUMP
R.V.	ROOF VENTILATOR
RFG	ROOFING
R.T.U.	ROOF TOP UNIT
RM	ROOM
R.O.	ROUGH OPENING
RND or ϕ	ROUND
R.T.	RUBBER TILE

S

SAN.	SANITARY
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
SCHED.	SCHEDULE
SCN	SCREEN
STG	SEATING
SECT.	SECTION
SERV.	SERVICE
S.S.	SERVICE SINK
SHTHG	SHEATHING
SHT	SHEET
SHT. MET.	SHEET METAL
SH.& R.	SHELF AND ROD
SHWR	SHOWER
S.C.R.	SHOWER CURTAIN ROD
S.DR	SHOWER DOOR
S.W.	SIDEWALK
SIM.	SIMILAR
SGL.	SINGLE
SK	SINK
S.D.	SOAP DISPENSER
S.C.	SOLID CORE
STC	SOUND TRANSMISSION CLASS
SP.	SPACE
SPR.	SPARE
SPKR	SPEAKER
SPEC.	SPECIFICATIONS
SPRYD	SPRAYED
SPKLR	SPRINKLER
SQ.	SQUARE
S.F.	SQUARE FEET/SQUARE FOOT
STAG.	STAGGERED
ST.STL	STAINLESS STEEL
STD	STANDARD
SP.	STANDPIPE
STA.	STATION
STM	STEAM
STL	STEEL
STL. PL.	STEEL PLATE
STIFF.	STIFFENER
STO. FR.	STOREFRONT
STOR.	STORAGE
STR.	STRAIGHT
ST.	STREET
STRUCT.	STRUCTURAL
S.G.F.T.	STRUCTURAL GLAZED FACING TILE
S.STL	STRUCTURAL STEEL
SUPP.	SUPPORT
SURF.	SURFACE/ SURFACING
SUSP.	SUSPEND/ SUSPENSION
SW.	SWITCH
SYM	SYMBOL/ SYMMETRICAL
SYS.	SYSTEM

T

T.BD	TACKBOARD
TAN.	TANGENT
TECH.	TECHNICAL
TEL.	TELEPHONE
TEL. CAB.	TELEPHONE CABINET
TV	TELEVISION
TEMP.	TEMPERATURE
TERR.	TERRAZZO
T.B.	TEST BORING
T.	THERMOSTAT
THK	THICK/ THICKNESS
T.S.	THICKENED SLAB
THD	THREAD
THRESH.	THRESHOLD
THRU	THROUGH
T./ TOIL.	TOILET
T.P.D.	TOILET PAPER DISPENSER
T.P.H.	TOLET PAPER HOLDER
T & G	TONGUE AND GROOVE
T & B	TOP AND BOTTOM
T/C	TOP OF CURB
T/EL.	TOP ELEVATION
T/F	TOP OF FOOTING
T/G	TOP OF GUTTER
T/M	TOP OF MASONRY
T/P	TOP OF PARAPET
T/P	TOP OF PAVEMENT
T/R	TOP OF RIM
T/S	TOP OF STEEL
T/W	TOP OF WALL
T.B.	TOWEL BAR
T.D.	TOWEL DISPENSER
TD & WR	TOWEL DISPENSER AND WASTE RECEPTACLE
TRAN.	TRANSOM
T	TREAD
T.D.	TRENCH DRAIN
TS	TUBE SECTION
TYP.	TYPICAL

U

U.G.	UNDER GROUND
UL	UNDERWRITER'S LABORATORY
ULT.	ULTIMATE
UNFIN.	UNFINISHED
U.H.	UNIT HEATER
U.V.	UNIT VENTILATOR
USGS	UNITED STATES GEOLOGICAL SURVEY
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL

V

V. BARR.	VAPOR BARRIER
VAR.	VARIABLE
V. PLAS.	VENEER PLASTER
V.	VENT
VTR	VENT THRU ROOF
VENT.	VENTILATE/ VENTILATION
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL/ VERTICALLY
VEST.	VESTIBULE
VNY	VINYL
VCT	VINYL COMPOSITION TILE
VIN. FAB.	VINYL FABRIC
V.R.S.	VINYL REDUCER STRIP

W

W.CAB.	WALL CABINET
W.C.O.	WALL CLEAN OUT
W.H.	WALL HYDRANT
W/W	WALL-TO-WALL
W.V.	WALL VENT
W.F.	WASH FOUNTAIN
W.	WASTE/ WATTS
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.STPG.	WEATHERSTRIPPING
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC
W	WEST
W.	WIDE/ WIDTH
W.O.	WINDOW OPENING
W.M.	WIRE MESH
w/	WITH
w/o	WITHOUT
WD	WOOD
W.L.	WORKING LINE
W.PT	WORKING POINT

X

Y

YD	YARD
YR	YEAR

Z

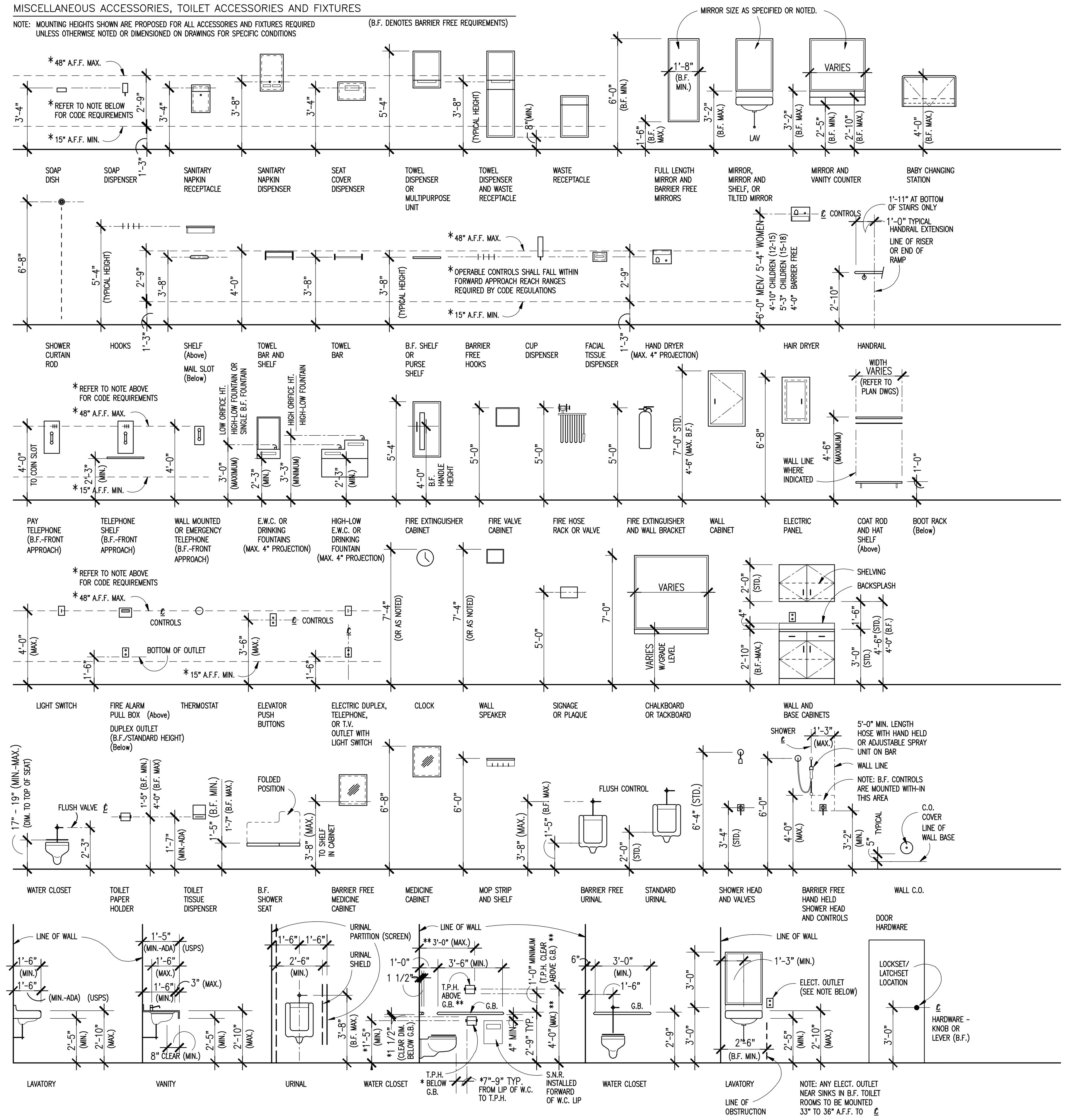
ZC	ZINC

TYPICAL MOUNTING HEIGHTS

MISCELLANEOUS ACCESSORIES, TOILET ACCESSORIES AND FIXTURES

NOTE: MOUNTING HEIGHTS SHOWN ARE PROPOSED FOR ALL ACCESSORIES AND FIXTURES REQUIRED UNLESS OTHERWISE NOTED OR DIMENSIONED ON DRAWINGS FOR SPECIFIC CONDITIONS

(B.F. DENOTES BARRIER FREE REQUIREMENTS)



MATERIAL DESIGNATIONS

ELEVATION / SECTION	MATERIAL
	BRICK
	CONCRETE MASONRY UNITS (BLOCK)
	SOLID CONCRETE MASONRY UNITS
	PREFACED CONCRETE MASONRY UNITS
	STRUCTURAL GLAZED FACING TILE
	CONCRETE
	STEEL REINFORCEMENT - W.W.F. AND STEEL BAR OR DOWEL
	STONE/ SLATE/ OR GRANITE
	EARTH
	POROUS FILL (GRAVEL OR STONE)
	COMPACTED DRAINAGE FILL (SAND)
	MARBLE
	STEEL AND FERROUS METAL (Large Scale)
	ALUMINUM AND NON-FERROUS METAL (Large Scale)
	FINISH WOOD
	WOOD BLOCKING/ NAILER (Continuous)
	WOOD BLOCKING/ NAILER (Non-continuous)
	PARTICLE BOARD (Large Scale)
	PLYWOOD (Large Scale)
	HARDWOOD VENEER PLYWOOD (Large Scale)
	PLASTIC LAMINATE CLAD PLYWOOD OR PARTICLE BOARD (Large Scale)
	BATT OR BLANKET INSULATION
	RIGID INSULATION
	ACOUSTICAL CEILING TILE OR PANEL
	LINEAR METAL SLAT CEILING
	INSULATED METAL PANEL
	GLASS (Large Scale)
	GLASS (Small Scale)
	GYPSUM DRYWALL (WALLBOARD)
	PLASTER OR VENEER PLASTER
	CEMENT PLASTER AND METAL LATH
	CERAMIC TILE (Large Scale)
	TERRAZZO (Large Scale)
	CARPET (Large Scale)
	VINYL COMPOSITION TILE (V.C.T.)
	SEALANT AND BACKER ROD (Large Scale) (Depth Equal to Half Joint Width)
	JOINT FILLER MATERIAL OR ISOLATION JOINT FILLER (Large Scale)
	COLD FORMED METAL FRAMING
	STRUCTURAL STEEL SHAPES (Continuous Sections Hatched or Solid, Non-continuous Sections Open)
	STEEL (Small Scale)
	ALUMINUM (Small Scale)

REFERENCE SYMBOLS

DETAIL IDENTIFICATION

DETAIL IDENTIFICATION NUMBER (SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

1 / A1.1 — DETAIL TITLE — SCALE: 1/8" = 1'-0"

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE DETAIL IS DRAWN)

DETAIL / SECTION LOCATION INDICATION

DETAIL IDENTIFICATION NUMBER

(WALL SECTIONS) (PLAN SECTIONS)

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN)

DETAIL LOCATION INDICATION FOR ENLARGED PLANS

DETAIL IDENTIFICATION NUMBER

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN)

SECTION IDENTIFICATION

SECTION IDENTIFICATION NUMBER (SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

1 / A1.1 — SECTION TITLE — SCALE: 1/8" = 1'-0"

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE SECTION IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE SECTION IS DRAWN)

BUILDING SECTION LOCATION INDICATION

SECTION IDENTIFICATION NUMBER

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE SECTION IS DRAWN)

ELEVATION IDENTIFICATION

ELEVATION IDENTIFICATION NUMBER (SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

1 / A1.1 — ELEVATION TITLE — SCALE: 1/8" = 1'-0"

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE ELEVATION IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE ELEVATION IS DRAWN)

ELEVATION INDICATION

INDICATES DIRECTION OF VIEW OR MULTIPLE VIEWS

ELEVATION IDENTIFICATION NUMBER(S) (SAME LETTER ON SHEET WHERE DRAWN OR REFERENCED)

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE ELEVATION IS DRAWN)

(EXTERIOR ELEVATION) (INTERIOR ELEVATION)

MATCH LINE INDICATION

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER OF DRAWING)

ZONE - A / ZONE - B

SHEET IDENTIFICATION NUMBER (INDICATES SHEET NUMBER WHERE DRAWING IS CONTINUED)

DOOR INDICATION

DOOR SWING INDICATION– NEW DOOR

DOOR SWING INDICATION– EXISTING DOOR

DOOR SWING INDICATION– NEW DOOR IN EXISTING FRAME

DOOR SWING INDICATION– EXISTING DOOR TO BE REMOVED

ROOM NAME AND NUMBER INDICATION

SAMPLE ROOM NAME
101 — ROOM IDENTIFICATION NUMBER

ROOM IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:

BASEMENT ROOMS	001	ZONE A	A101
FIRST FLOOR ROOMS	101	ZONE B	B101
SECOND FLOOR ROOMS	201	ZONE C	C101
THIRD FLOOR ROOMS	301		

CONTINUES FOR AS MANY FLOORS REQUIRED.

DOOR IDENTIFICATION

DOOR TO ROOM SHALL REPEAT ROOM NUMBER ASSIGNED TO ROOM. MULTIPLE DOORS TO ROOM SHALL REPEAT ROOM NUMBER WITH A POSTSCRIPT LETTER FOR EACH ADDITIONAL DOOR REQUIRED.

101 / 101A / 101B FOR NUMBER NEEDED

DOOR IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:

BASEMENT DOORS	001	ZONE A	A101
FIRST FLOOR DOORS	101	ZONE B	B101
SECOND FLOOR DOORS	201	ZONE C	C101
THIRD FLOOR DOORS	301		

CONTINUES FOR AS MANY FLOORS REQUIRED.

COLUMN INDICATION

COLUMN IDENTIFICATION LETTER OR NUMBER FOR NEW CONSTRUCTION

COLUMN IDENTIFICATION LETTER OR NUMBER FOR EXISTING CONSTRUCTION

COLUMN IDENTIFICATION LETTER OR NUMBER FOR RADIUS OR RADIAL COLUMN LINE

NORTH INDICATION

ASSUMED NORTH IF NOT TRUE NORTH OR PLAN NORTH WHERE TRUE NORTH IS INDICATED BY ARROW NOTATION

N — TRUE NORTH

WALL TYPE NOTATION

WALL CONSTRUCTION TYPE NUMBER AS LISTED IN 'WALL TYPE LEGEND'

DESCRIPTION ORIGINATES AT WALL SURFACE DESIGNATED

CASEWORK NOTATION

CASEWORK IDENTIFICATION NUMBER BASED ON MANUFACTURERS CATALOG NUMBERS AS NOTED IN SPECIFICATIONS OR 'CASEWORK LEGEND'

A1-100-36

KEYED NOTE INDICATION

KEYED NOTE IDENTIFICATION NUMBER AS LISTED IN 'NOTES' LEGEND. (PLAN NOTATION)

KEYED NOTE IDENTIFICATION NUMBER AS LISTED IN 'NOTES' LEGEND. (DEMOLITION NOTATION)

KEYED NOTE IDENTIFICATION AS LISTED IN 'NOTES' LEGEND. (LIFE SAFETY PLAN NOTATION)

ADDENDUM INDICATION

ADDENDUM NUMBER (CURRENT REVISIONS SHALL BE SHOWN ENCIRCLED BY A FREEFORM LINE)

BULLETIN INDICATION

BULLETIN NUMBER (CURRENT REVISIONS SHALL BE SHOWN ENCIRCLED BY A FREEFORM LINE)

FIELD ORDER INDICATION

F.O. # 1 — FIELD ORDER NUMBER (CURRENT REVISIONS SHALL BE SHOWN ENCIRCLED BY A FREEFORM LINE)

STAIR DIRECTION NOTATION

10 T. (11 R.) — UP (DN)

STAIR DIRECTION TO FLOOR ABOVE (UP) OR BELOW (DOWN)

NUMBER OF TREADS (OR RISERS) IN STAIR RUN

DRAWING DIMENSION LINE INDICATION

10'-0"

NOTE: DO NOT SCALE DRAWINGS WITHOUT GRAPHIC SCALES WITH PROPORTIONS OTHER THAN 1:1

MATERIAL OR WORK DIVISION NOTATION

MATERIAL 'A' (NEW CONST.) | MATERIAL 'B' (EXIST. CONST.)

JOINT BETWEEN MATERIALS (OR CONSTRUCTION WORK DIVISION LINE)

DRAWING NOTATION INDICATION

MATERIAL NOTATION AND INFORMATION (REFER TO TECHNICAL SPECIFICATIONS FOR MATERIAL DESCRIPTIONS AND METHODS OF CONSTRUCTION)

TMP ARCHITECTURE

TMP ASSOCIATES INC
1191 WEST SQUARE LAKE ROAD · BOX 289
BLOOMFIELD HILLS · MICHIGAN · 48303
PH · 248.338.4561 FX · 248.338.0223
EM · INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE
General Information

ISSUE DATES

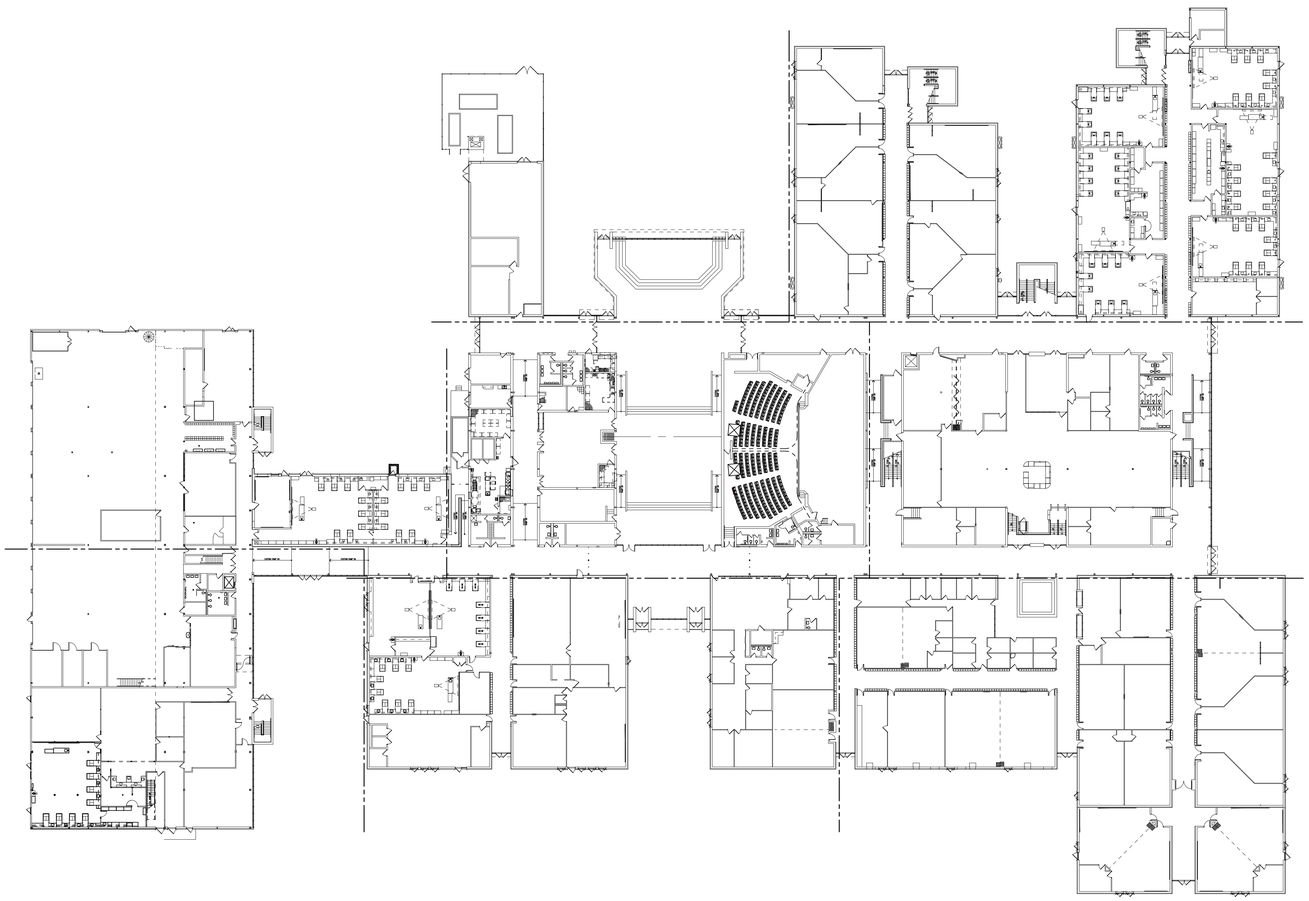
DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

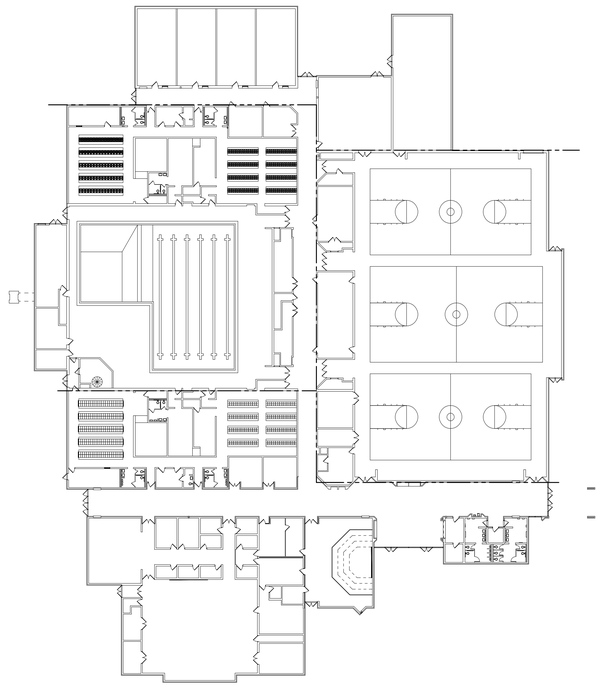
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.
13083E

DRAWING NO.
TG.1

Drawing File: Q:\acad\2013\mpo\13083e\13083e_cd\13083e_tg1.dwg
Jan 19, 2017 - 9:45am





FIRST LEVEL COMPOSITE FLOOR PLAN
SCALE: 1/32" = 1'-0"

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE
First Level Composite Plan

A B J
C D E K L
F G H M

Key Plan

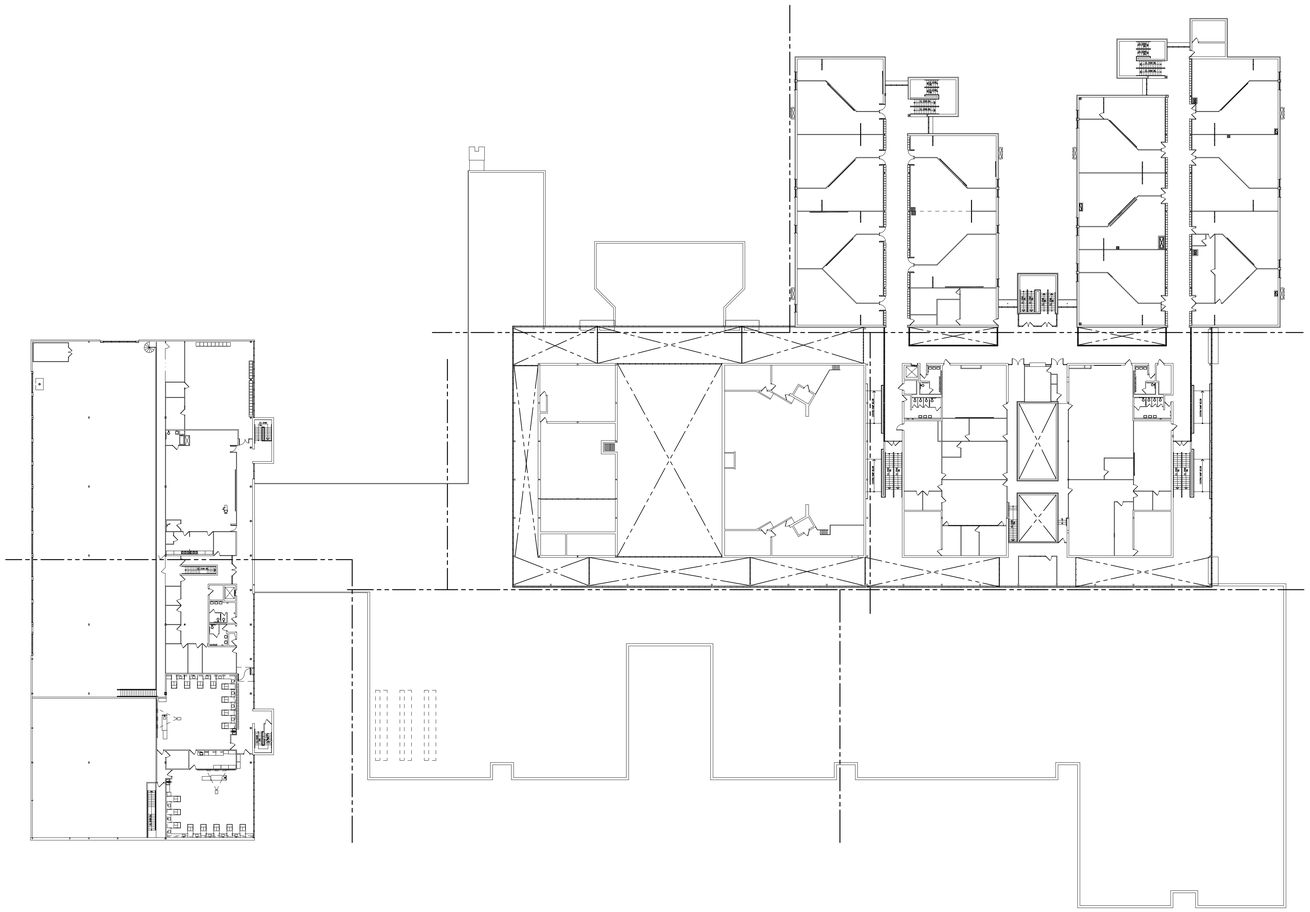
ISSUE DATES

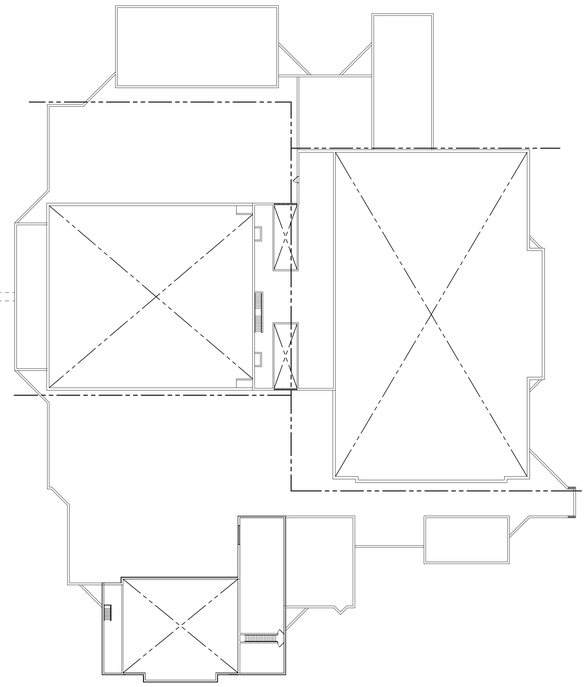
01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.
13083E

DRAWING NO.
AC.1





SECOND LEVEL COMPOSITE FLOOR PLAN
SCALE: 1/32" = 1'-0"

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

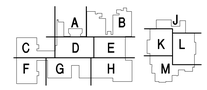
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE
Second Level Composite Plan



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.
13083E

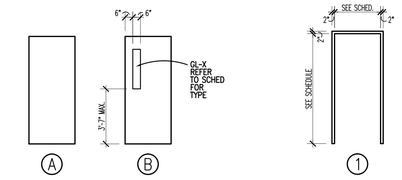
DRAWING NO.
AC.2

DOOR & FRAME SCHEDULE

Opening No.	Opening Size (Width x Height)	Door Type	Door Material	Door Finish	Door Glass	Frame Type	Frame Material	Frame Finish	Frame Glass	Details Head	Details Jamb	Details Sill	Threshold	U.L. Label	Hdwe. Set	Remarks
First Level - Zone 'B'																
B124A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B128A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B129A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B131A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B133A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B135A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B136A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B138A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B141A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B142A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B145A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B146A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
First Level - Zone 'C'																
C108A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	EX	EX	.	.	.	.	.	20	01	.
First Level - Zone 'D'																
D101A	3'-0"x 7'-0" V.I.F.	A	WD	PFN	.	1	HM	PTD	-	.	.	.	.	20	02	.
D101B	2'-8"x 7'-0" V.I.F.	A	WD	PFN	.	1	HM	PTD	-	.	.	.	.	20	02	.
D101C	2'-6"x 7'-0" V.I.F.	A	WD	PFN	.	EX	HM	PTD	.	.	.	.	.	20	02	.
D101D	2'-6"x 7'-0" V.I.F.	A	WD	PFN	.	EX	HM	PTD	.	.	.	.	.	20	02	.
D108A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	03	.
D108B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	03	.
D108C	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	03	.
D108D	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	03	.
First Level - Zone 'E'																
E103A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
E121A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
E134A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
First Level - Zone 'F'																
F101A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	04	.
F102A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
F108A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
First Level - Zone 'G'																
G103A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
G103B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
G115A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
G127A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	06	.
G128A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
G130A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
G136A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
G139A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
G141A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	07	.
G142A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-4	EX	HM	PTD	.	.	.	.	.	60	01	.
G144A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	04	.
G145A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	04	.
G145B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	04	.
First Level - Zone 'H'																
H101A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H103A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H105A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H107A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
H109A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
H111A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H115A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H116A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H118A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H119A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H123A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H126A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
H127A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
H128A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H129A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H141A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H152A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H153A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H155A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
H156A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.

DOOR & FRAME SCHEDULE

Opening No.	Opening Size (Width x Height)	Door Type	Door Material	Door Finish	Door Glass	Frame Type	Frame Material	Frame Finish	Frame Glass	Details Head	Details Jamb	Details Sill	Threshold	U.L. Label	Hdwe. Set	Remarks
Second Level - Zone 'B'																
B223A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B224A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
B225A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
B226A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B227A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B228A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B229A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B230A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B231A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B232A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B232B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
B233A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
Second Level - Zone 'C'																
C206A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
C206B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	05	.
C210A	3'-0"x 7'-0" & 2'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	08	.
Second Level - Zone 'E'																
E222A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	01	.
E236A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	09	.
E236B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	09	.
E239A	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	09	.
E239B	3'-0"x 7'-0" V.I.F.	B	WD	PFN	GL-2	EX	HM	PTD	.	.	.	.	.	20	09	.



DOOR TYPES FRAME TYPES

DOOR SCHEDULE ABBREVIATIONS AND NOTES

(REFER TO SPECIFICATIONS FOR ADDITIONAL DOOR INFORMATION)

DOOR SCHEDULE ABBREVIATIONS

AL	ALUMINUM
ALGL	ALUMINUM AND GLASS
HM	HOLLOW METAL
WD	SOLID CORE HARDWOOD
PFN	PREFINISHED BY MANUFACTURER
PTD	PAINTED
MAR	SYNTHETIC MARBLE THRESHOLD
MET	METAL THRESHOLD
LAM	PLASTIC LAMINATE CLAD
FRP	FIBERGLASS REINFORCED POLYESTER
STSTL	STAINLESS STEEL
STL	STEEL

DOOR SCHEDULE GENERAL NOTES

1. GALVANIZED METAL TO BE PROVIDED FOR HOLLOW METAL DOOR AND/OR FRAME AT EXTERIOR LOCATION.
2. DOORS ARE 1-3/4" THICK UNLESS OTHERWISE NOTED.
3. DETAIL NUMBERS NOTED SIM. REFER TO DETAILS SHOWING HEAD, JAMB, AND/ OR SILL DETAILS THAT REPRESENT CONDITIONS SIMILAR TO THOSE NOTED.
4. HOLLOW METAL FRAMES SET IN MASONRY WALLS ARE 5 3/4" WIDE (U.O.N.).
5. HOLLOW METAL FRAMES, SET IN GYPSUM BD. /METAL STUD PARTITIONS, SHALL BE "DOUBLE BACK-BEND" FRAMES WITH A THROAT DIMENSION EQUAL TO THE PARTITION THICKNESS PLUS 9/16" RETURNS ON EACH SIDE OF THE PARTITION. PROVIDE EQUAL RABBETS.
6. AN ASTERISK (*) CALLS ATTENTION TO THE REMARKS COLUMN OF THE SCHEDULE.
7. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

U.L. DOOR LABEL DESIGNATIONS:

U.L. LABEL**	MIN. OPENING PROTECTION ASSEMBLY
180	3 HR. FIRE RATING
90	1-1/2 HR. FIRE RATING
60	1 HR. FIRE RATING
45	3/4 HR. FIRE RATING
20	1/3 HR. FIRE RATING

** ALL FIRE RATED DOORS SHALL BE SMOKE AND DRAFT CONTROL LABELED IN ADDITION TO U.L. LABELS INDICATED.

GLAZING TYPES

(REFER TO SPECIFICATIONS FOR ASSEMBLIES)

GL-1	1/4" (6mm) TEMPERED MONOLITHIC GLASS
GL-2	20-MINUTE FIRE RATED GLASS
GL-3	45-MINUTE FIRE RATED GLASS
GL-4	60 & 90 MINUTE FIRE RATED DOOR GLASS
GL-5	60 MINUTE FIRE RATED WALL/WINDOW GLASS
GL-6	1" (25mm) TINTED ANNEALED INSULATING GLASS (LOW-E)
GL-7	1" (25mm) TINTED TEMPERED INSULATING GLASS (LOW-E)

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Door & Frame Schedule

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

DRAWN	MG
CHECKED	WPW
APPROVED	JSR

PROJECT NO.

13083E

DRAWING NO.

AD.1

REFER TO OTHER DEMOLITION PLANS FOR GENERAL NOTES, DEMOLITION KEYNOTES & LIST OF SALVAGEABLE ITEMS

FIRST LEVEL DEMOLITION PLAN - ZONE 'B'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

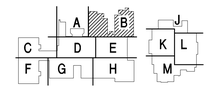
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'B'



ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

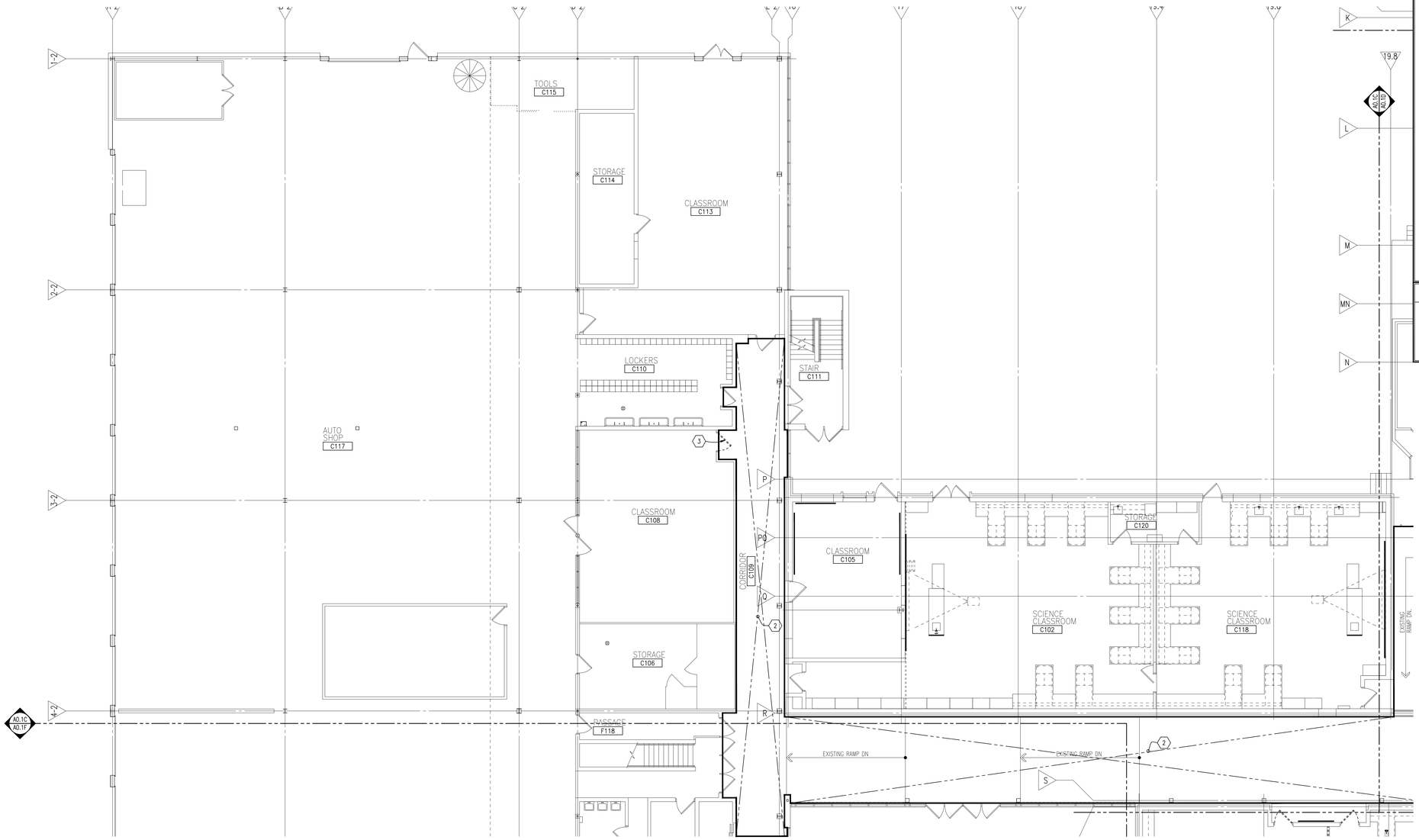
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1B



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

FIRST LEVEL DEMOLITION PLAN - ZONE 'C'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'C'

A B J
C D E K L
F G H M

Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

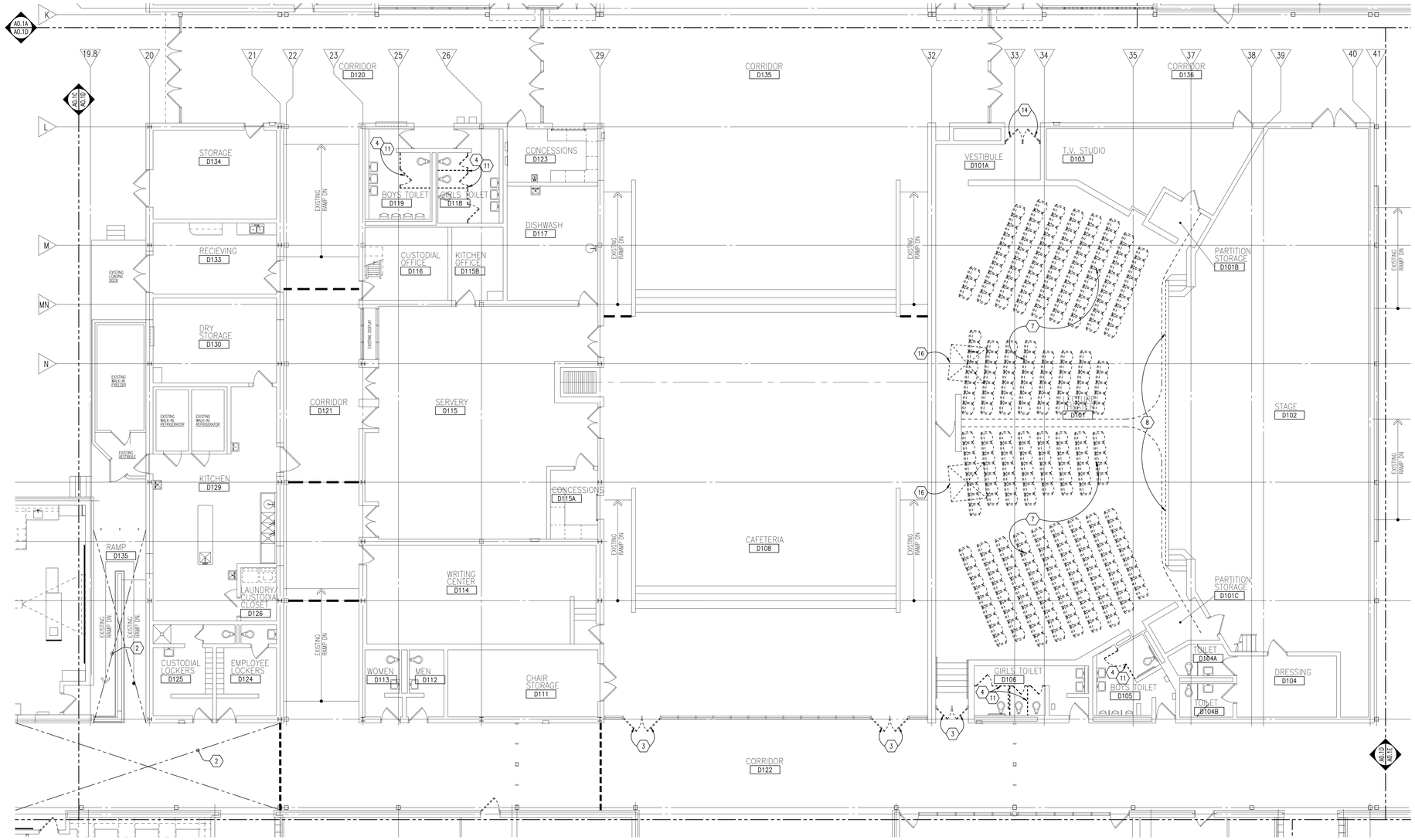
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1C



FIRST LEVEL DEMOLITION PLAN - ZONE 'D'

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

GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'D'

A B J
C D E K L
F G H M

Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

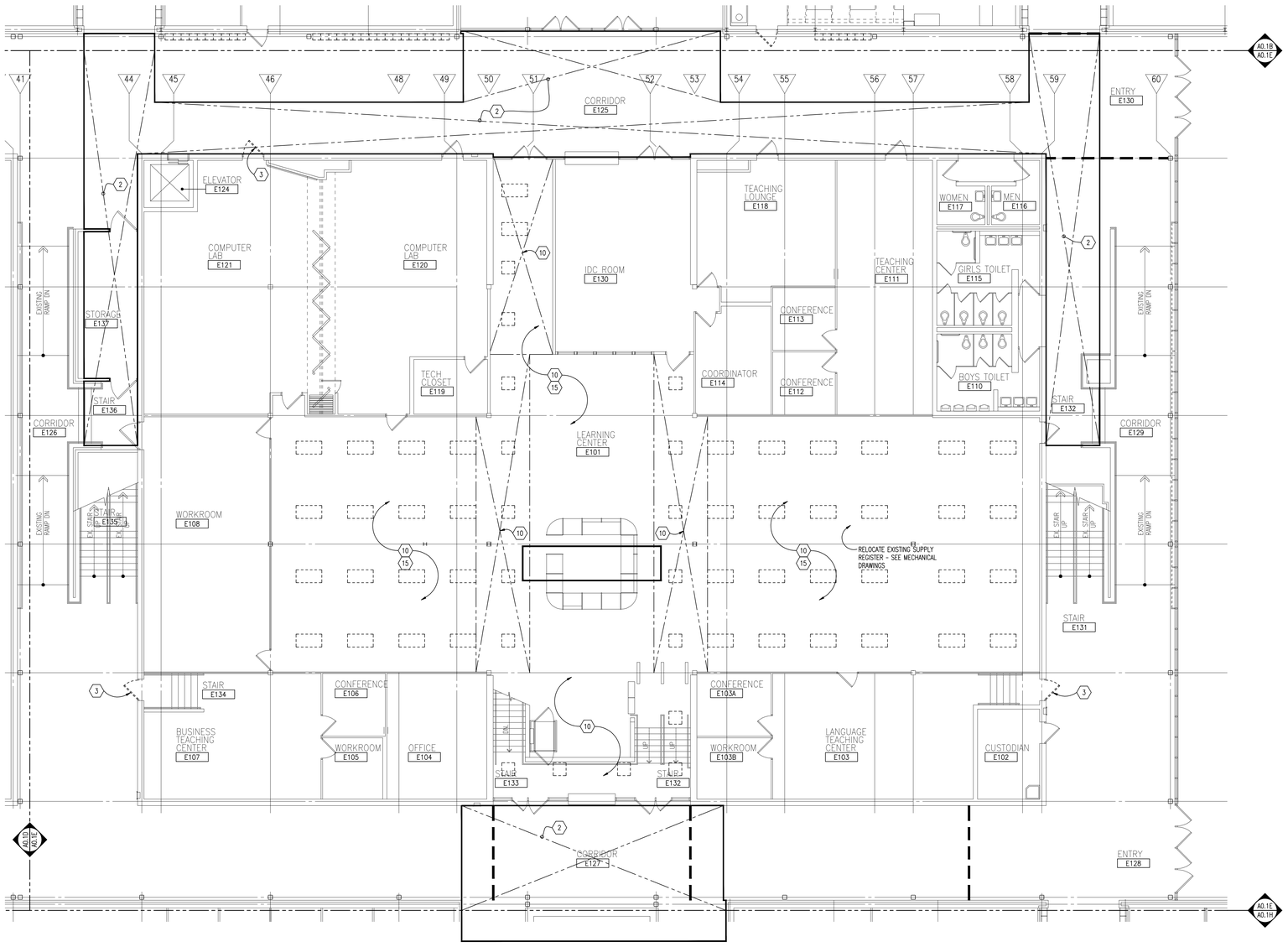
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1D



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

FIRST LEVEL DEMOLITION PLAN - ZONE 'E'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

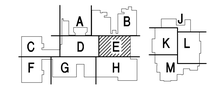
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'E'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

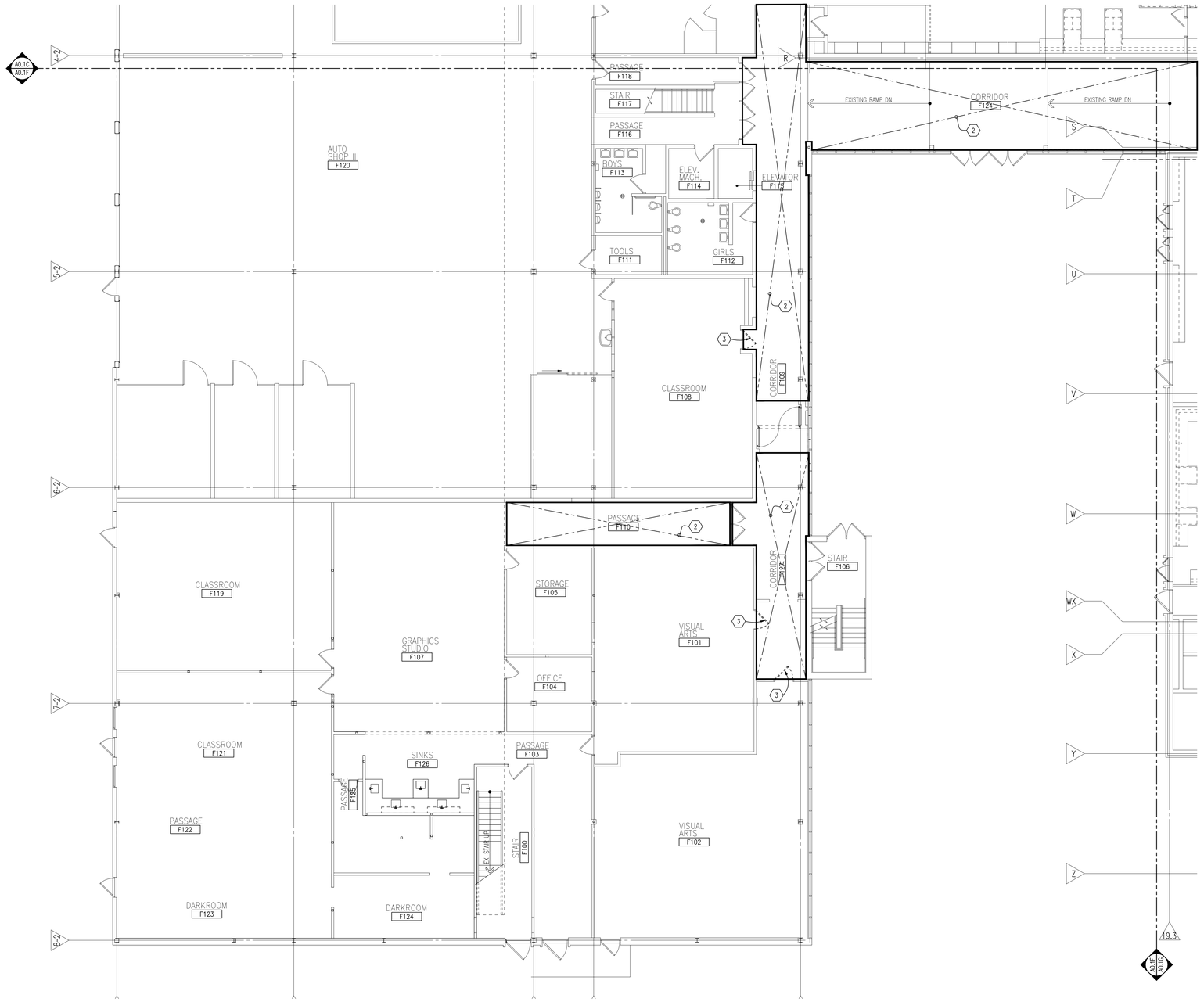
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1E



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

FIRST LEVEL DEMOLITION PLAN - ZONE 'F'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'F'

A B J
C D E K L
F G H M

Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

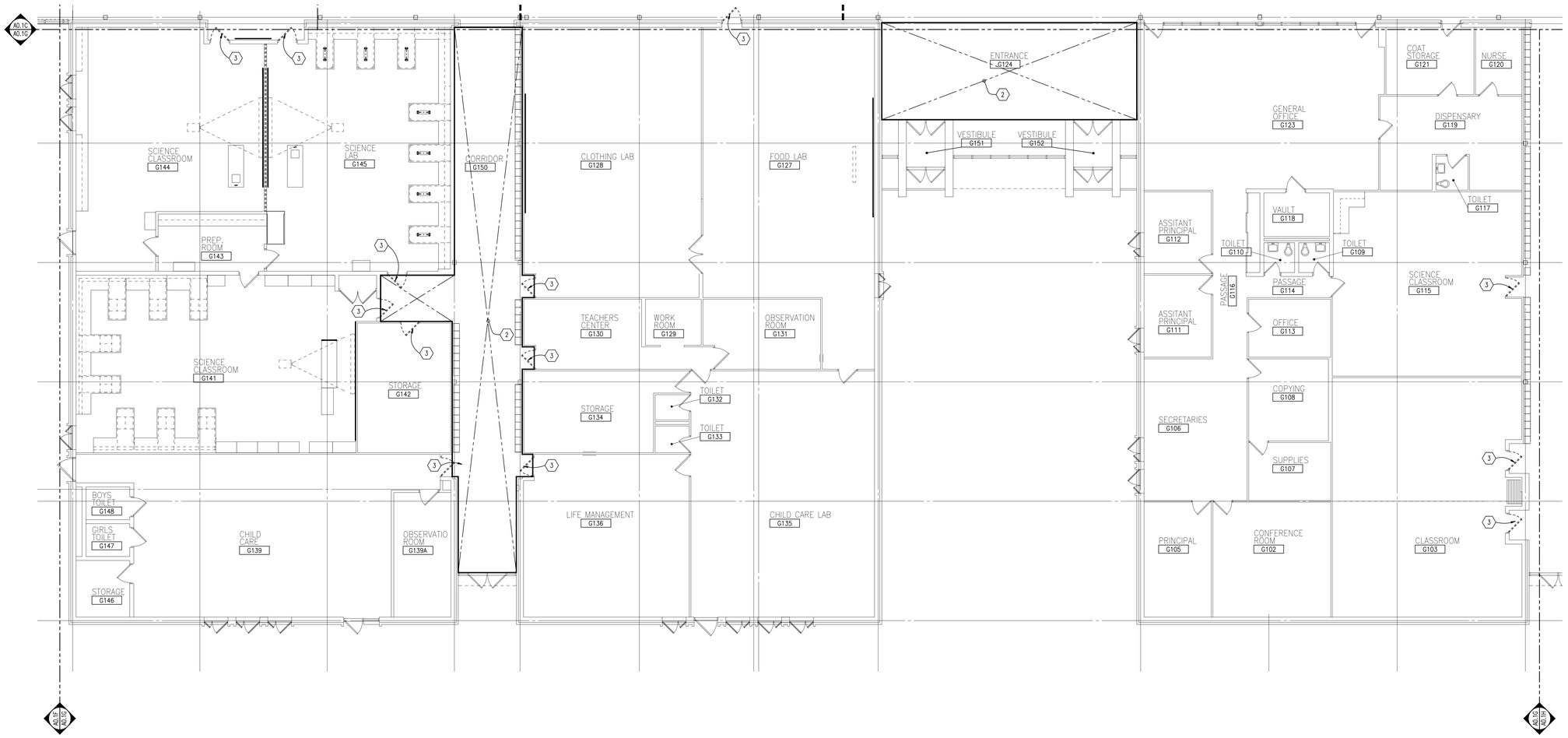
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1F



REFER TO OTHER DEMOLITION PLANS FOR GENERAL NOTES, DEMOLITION KEYNOTES & LIST OF SALVAGEABLE ITEMS

N

FIRST LEVEL DEMOLITION FLOOR PLAN - ZONE 'G'

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

TMP ARCHITECTURE

ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

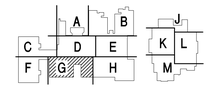
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'G'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

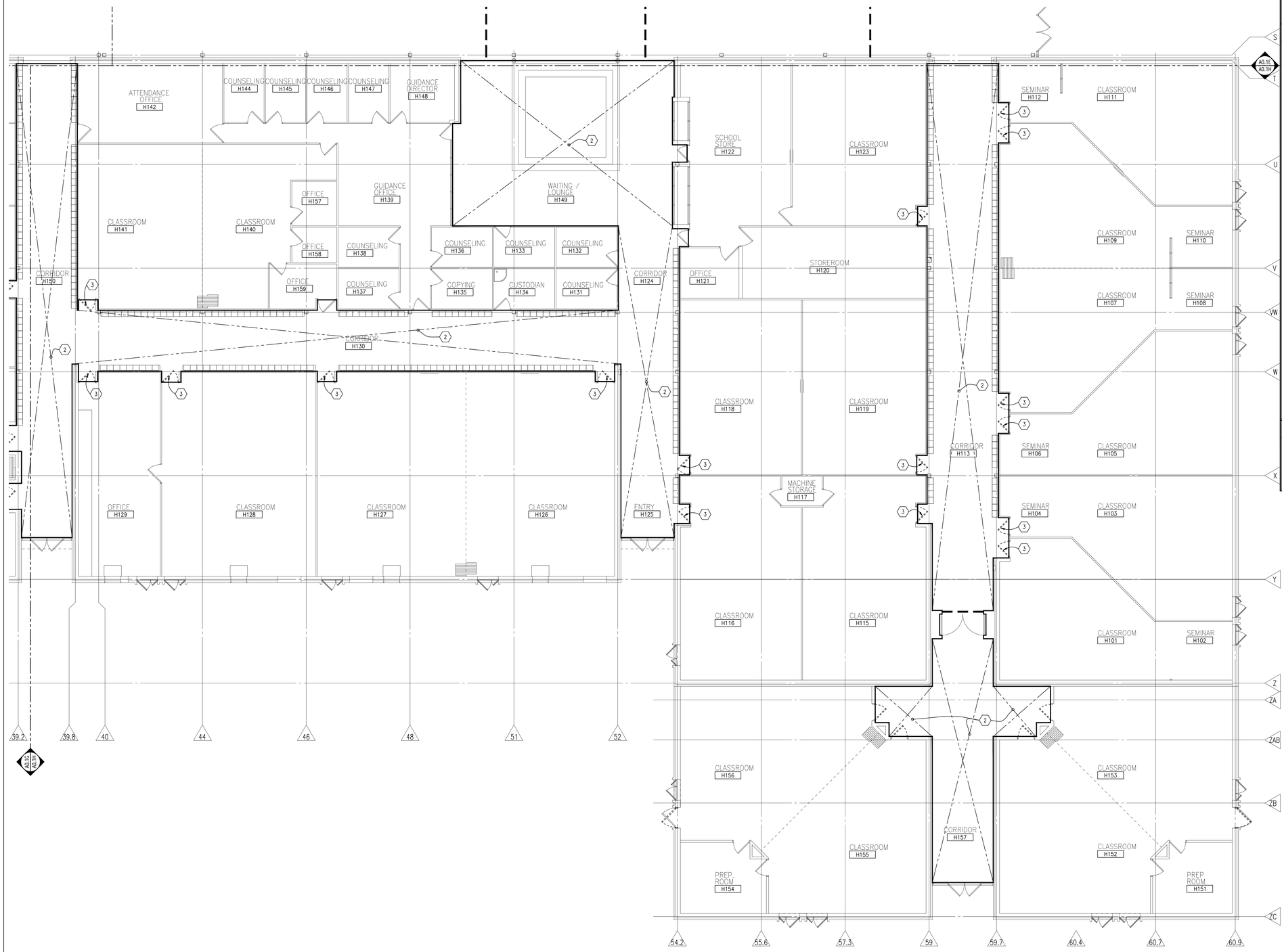
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1G



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

FIRST LEVEL DEMOLITION PLAN - ZONE 'H'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

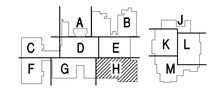
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'H'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1H

GENERAL NOTES

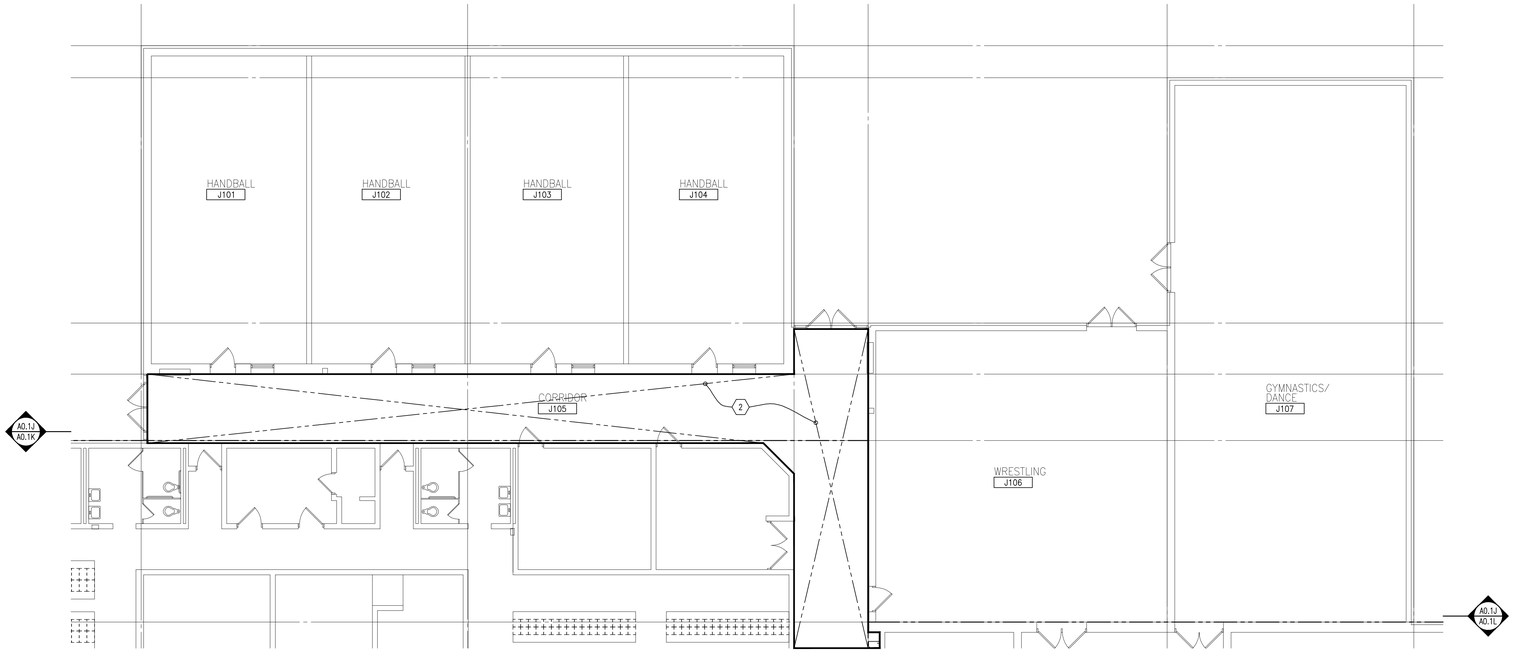
1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES



N FIRST LEVEL DEMOLITION PLAN - ZONE 'J'
SCALE: 1/8" = 1'-0"

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

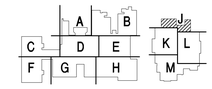
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'J'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

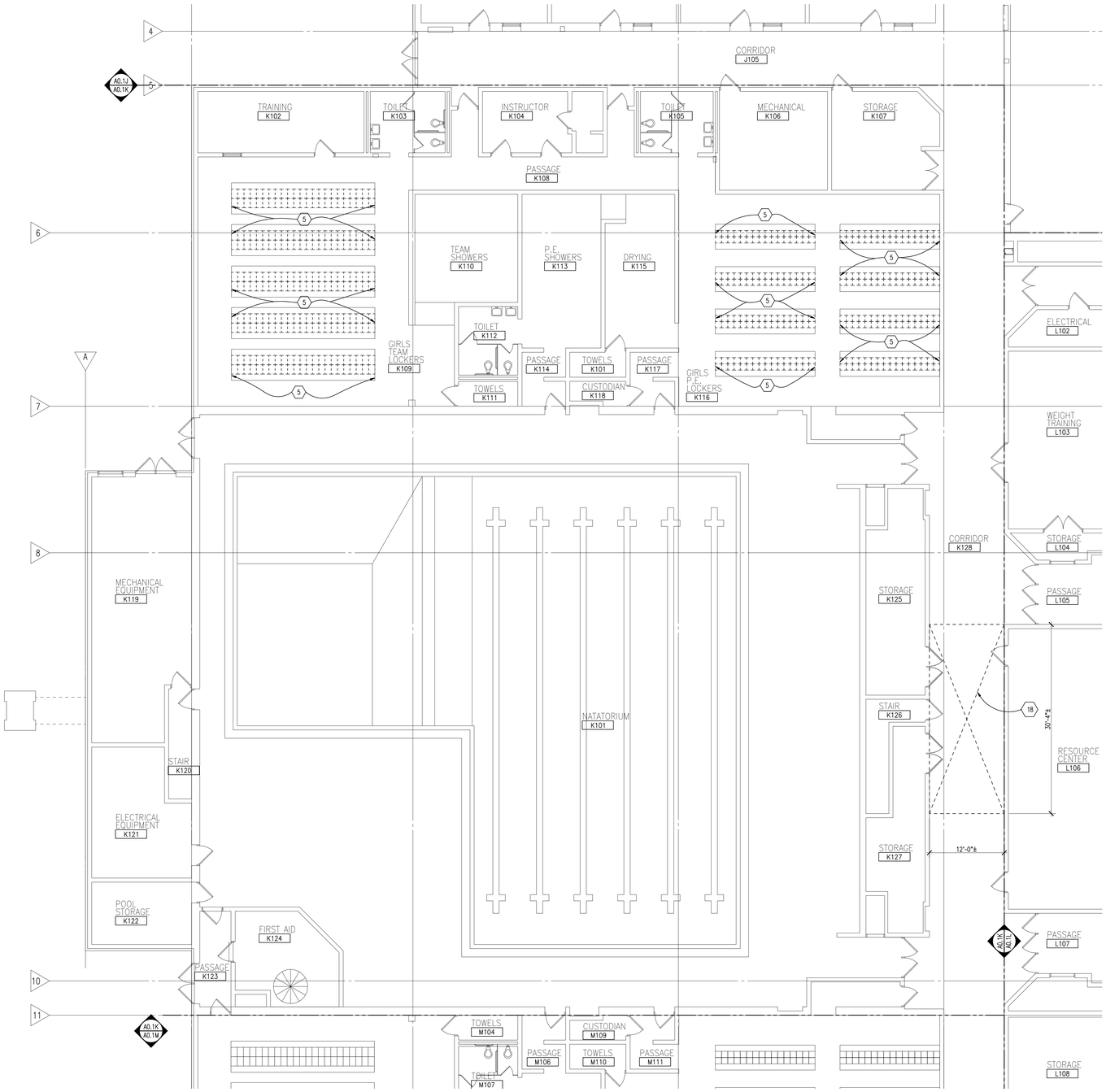
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1J



FIRST LEVEL DEMOLITION PLAN - ZONE 'K'

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

GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

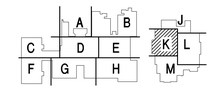
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'K'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

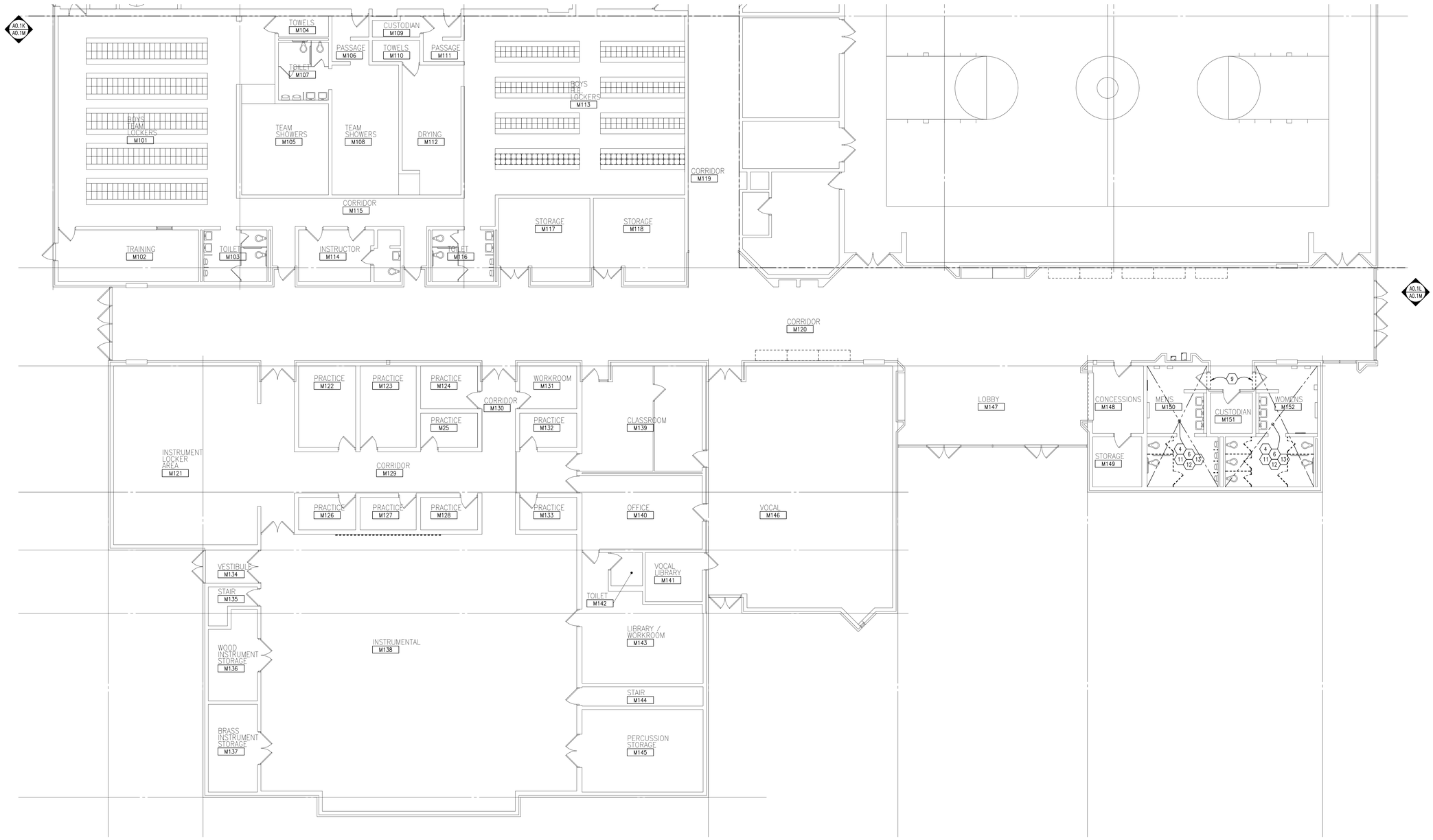
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1K



REFER TO OTHER DEMOLITION PLANS FOR GENERAL NOTES, DEMOLITION KEYNOTES & LIST OF SALVAGEABLE ITEMS

N

FIRST LEVEL DEMOLITION PLAN - ZONE 'M'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

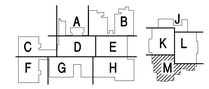
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Demolition Plan - Zone 'M'



ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

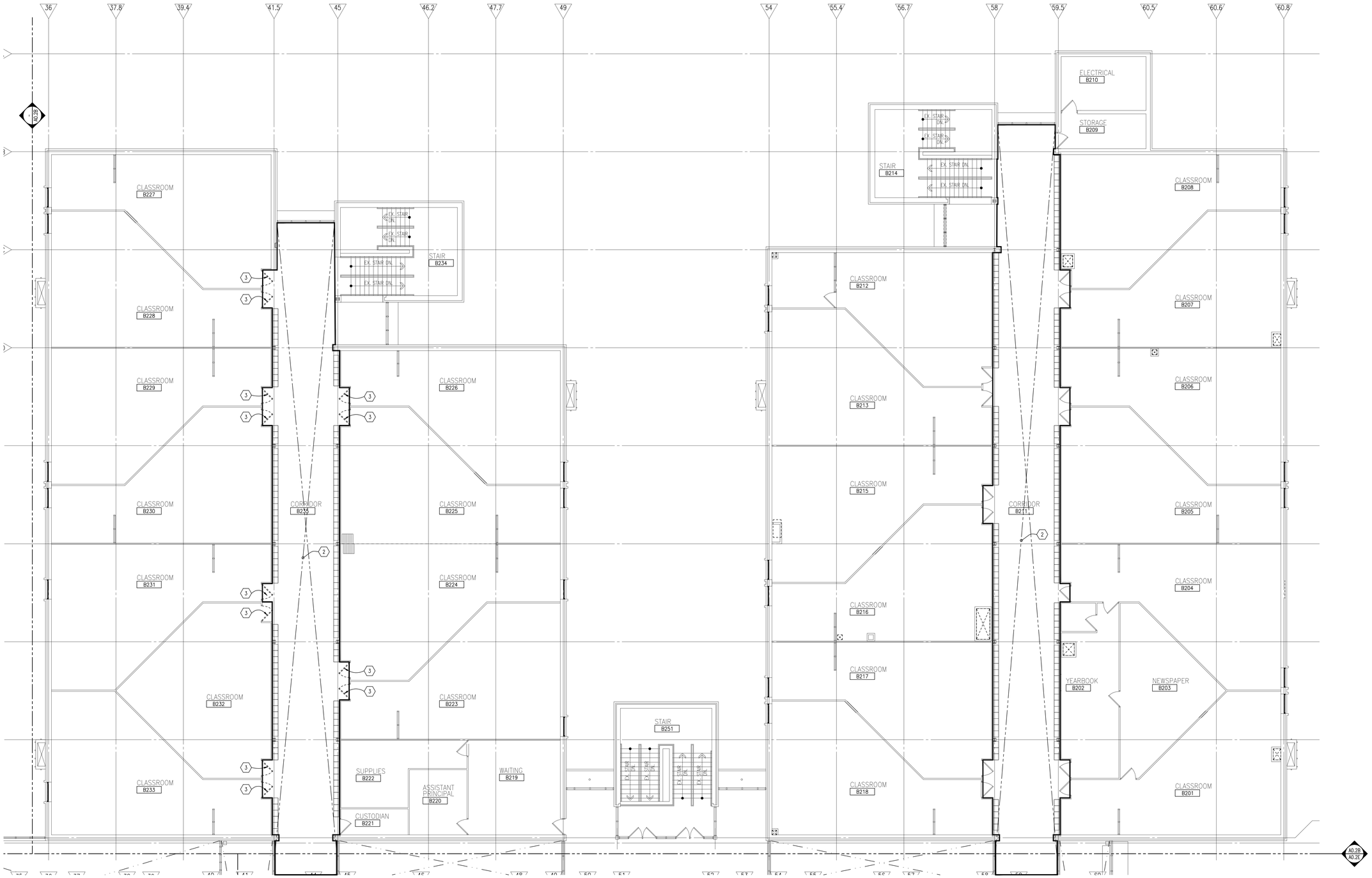
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.1M



REFER TO OTHER DEMOLITION PLANS FOR GENERAL NOTES, DEMOLITION KEYNOTES & LIST OF SALVAGEABLE ITEMS

N

SECOND LEVEL DEMOLITION PLAN - ZONE 'B'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

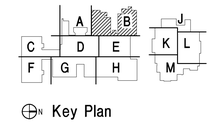
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Demolition Plan - Zone 'B'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-19-17	95% REVIEW

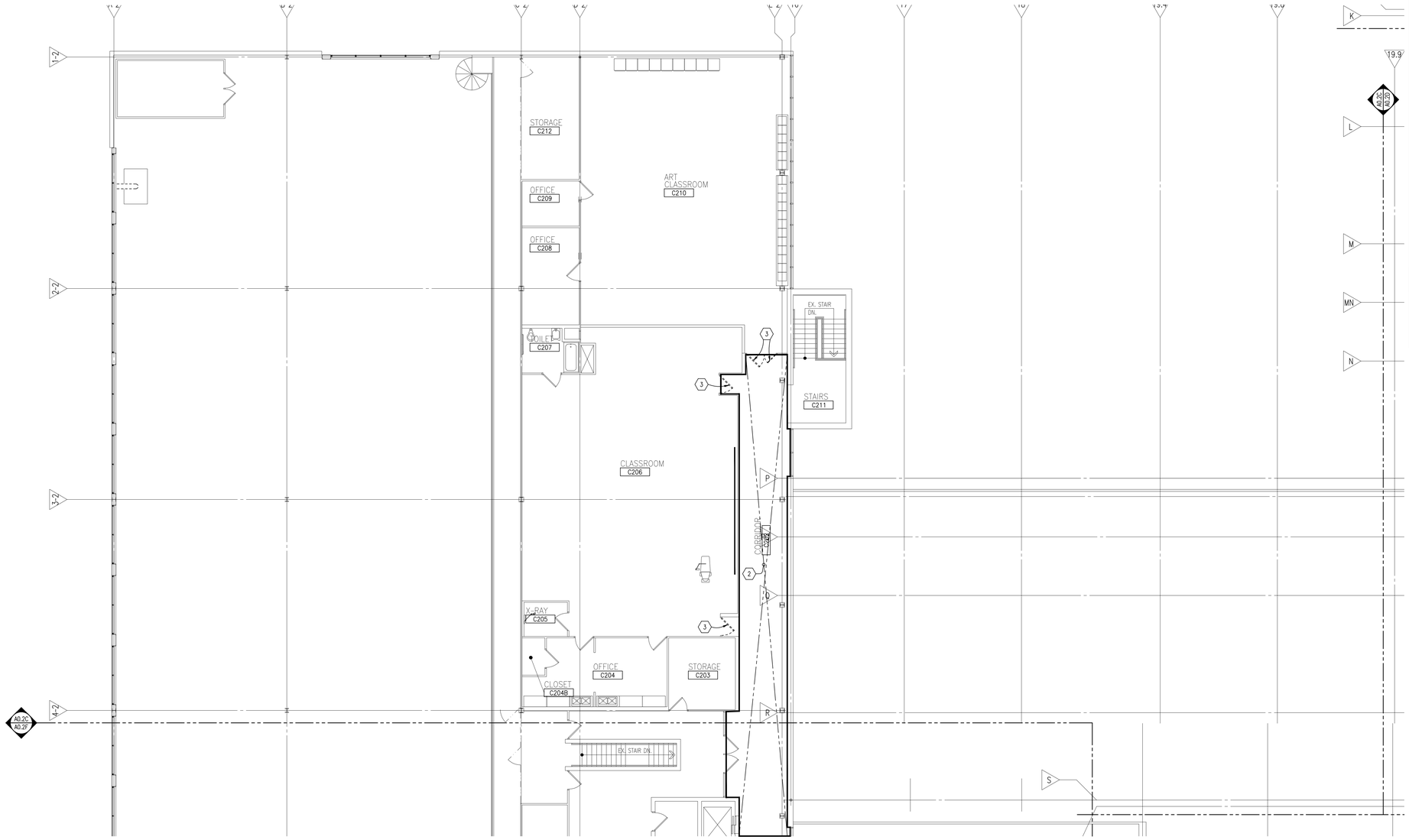
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.2B



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

SECOND LEVEL DEMOLITION PLAN - ZONE 'C'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

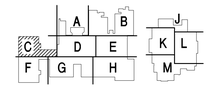
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Demolition Plan - Zone 'C'



Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

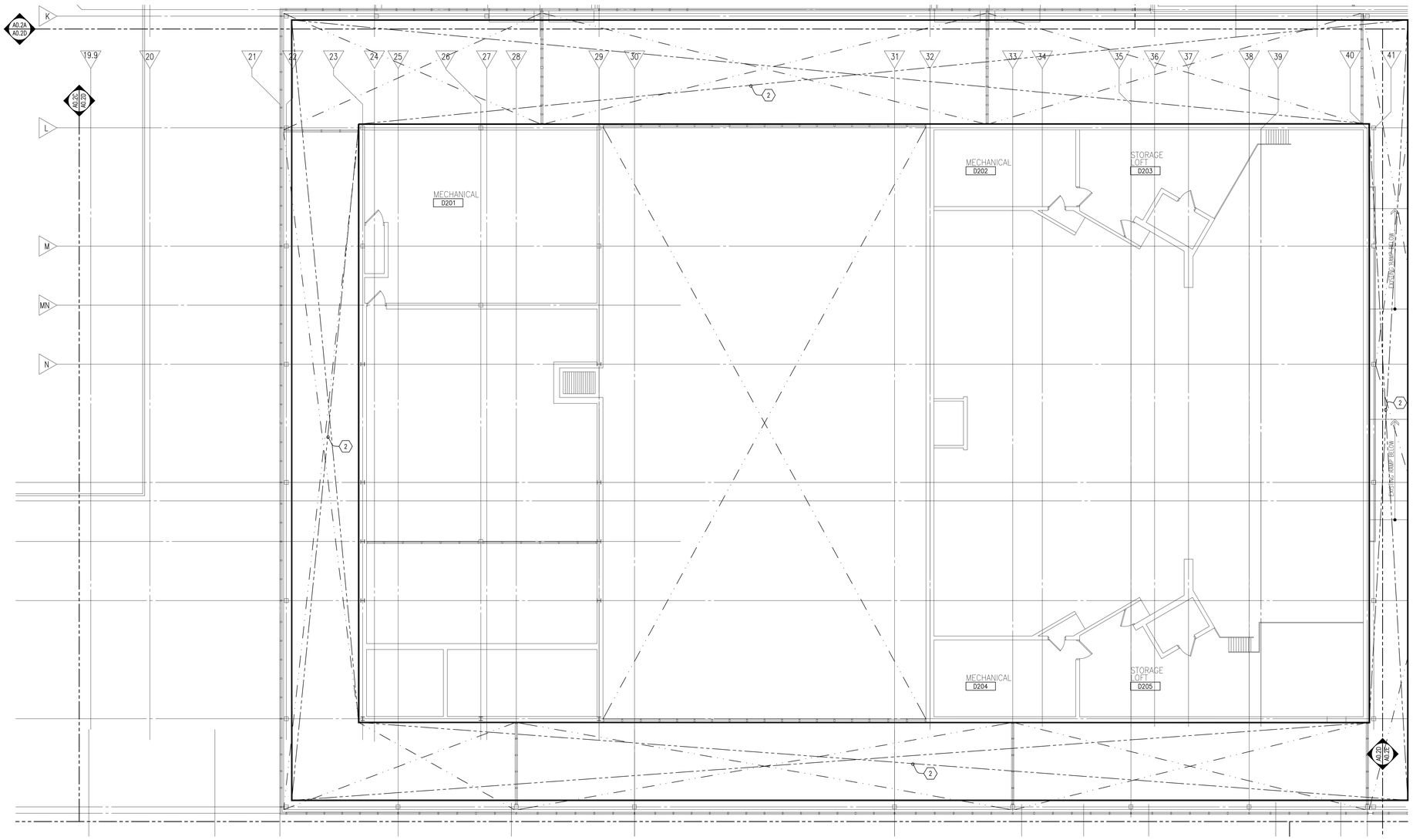
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.2C



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

N

SECOND LEVEL DEMOLITION PLAN - ZONE 'D'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

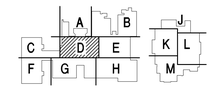
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Demolition Plan - Zone 'D'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

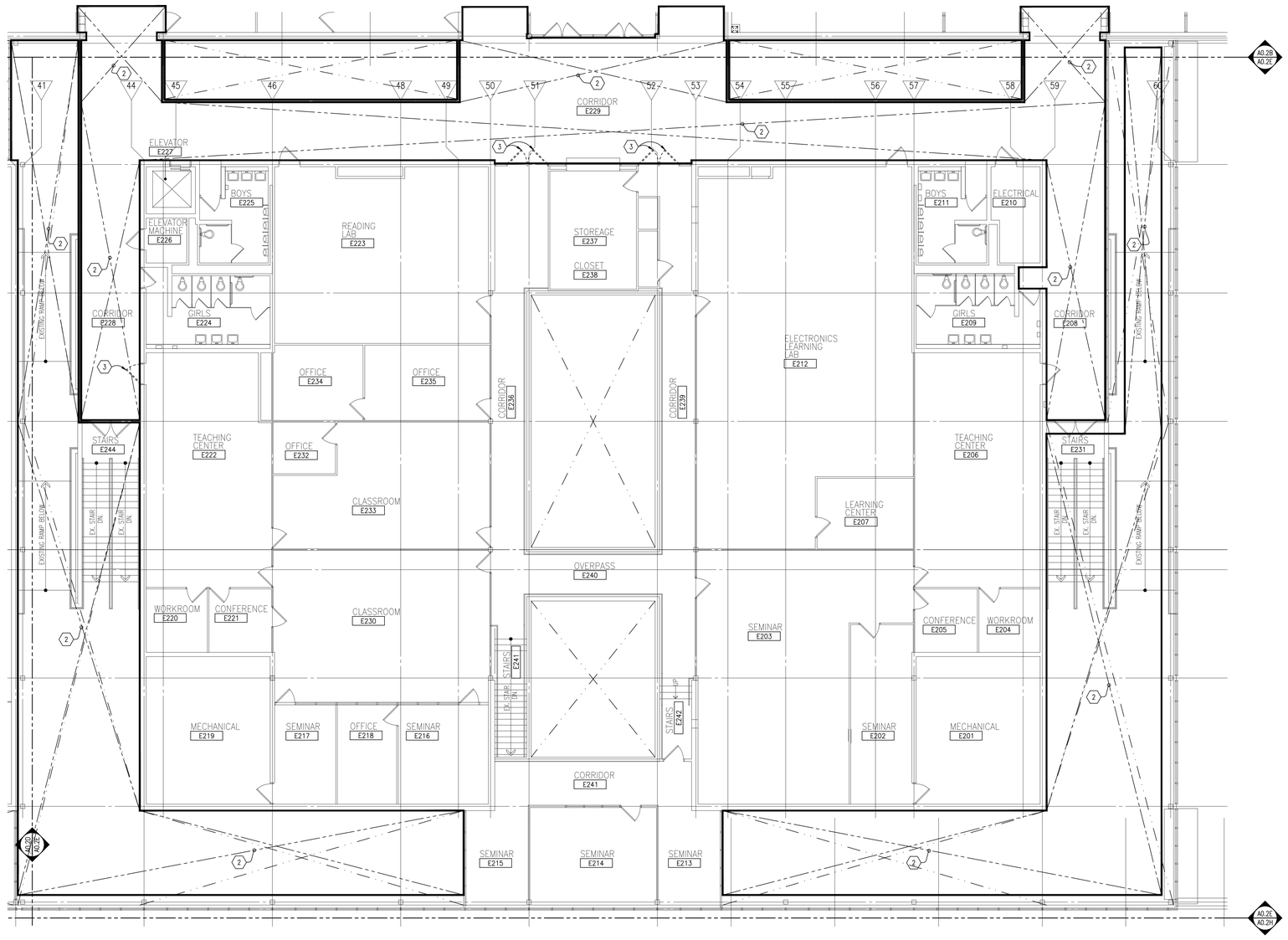
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.2D



SECOND LEVEL DEMOLITION PLAN - ZONE 'E'

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

GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

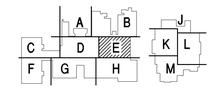
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Demolition Plan - Zone 'E'



Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

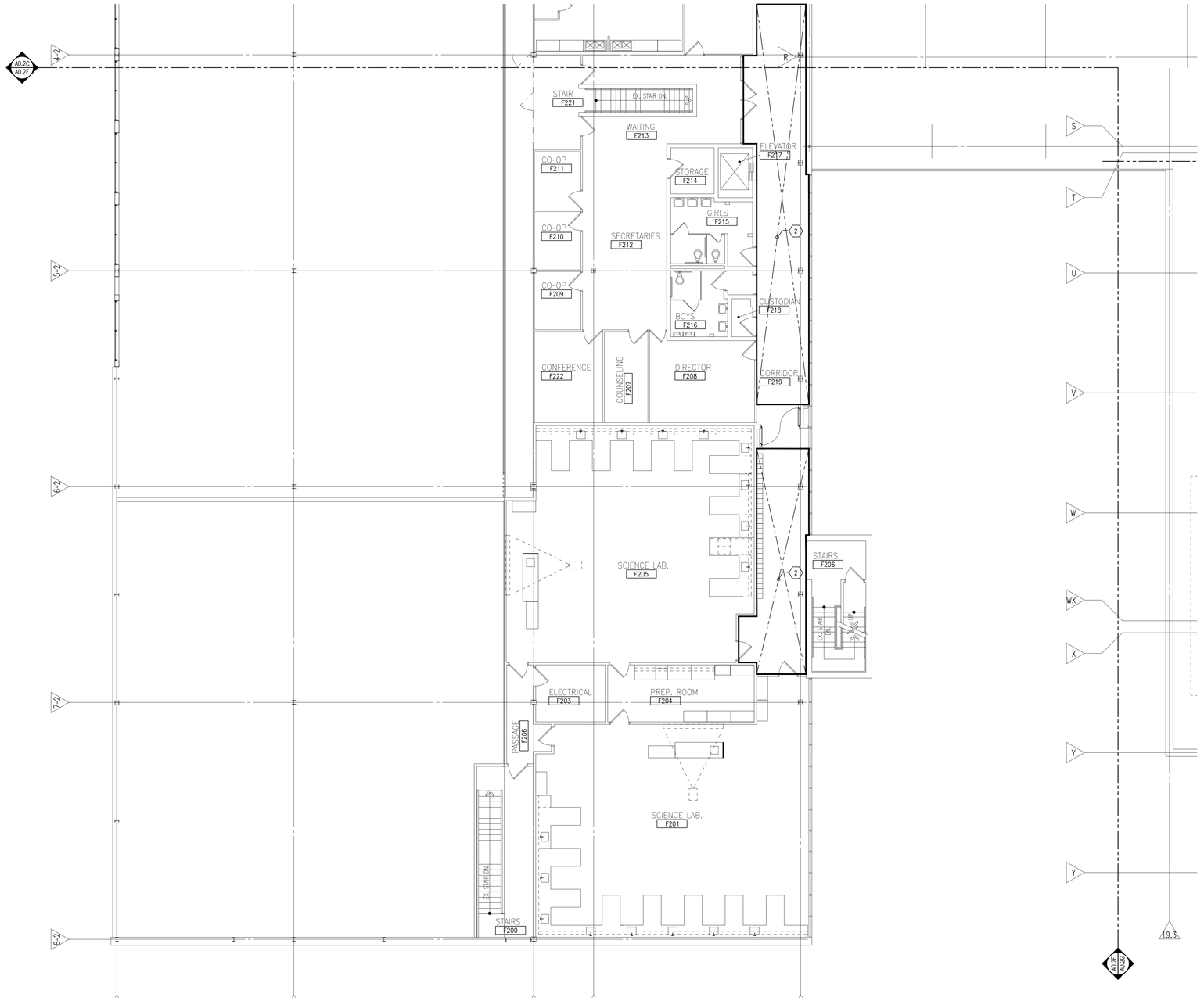
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.2E



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

SECOND LEVEL DEMOLITION PLAN - ZONE 'F'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

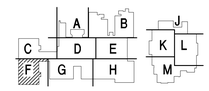
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Demolition Plan - Zone 'F'



Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

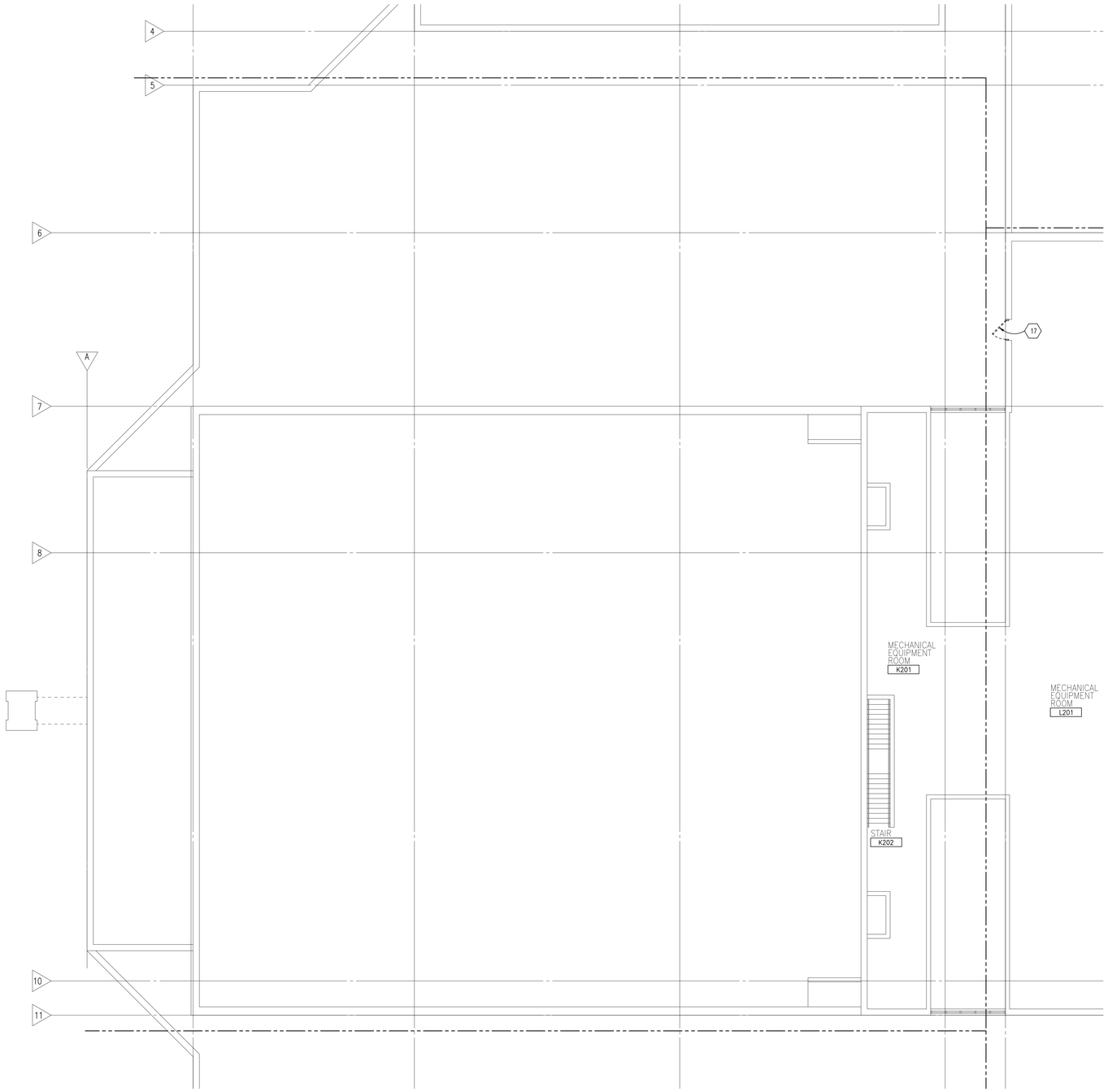
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.2F



GENERAL NOTES

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
2. REFER TO ROOF PLANS FOR THE EXTENT OF ROOFING DEMOLITION.
3. SEE CIVIL DRAWINGS FOR SITE DEMOLITION AND PATCHING WORK.
4. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
5. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARDS, TACKBOARDS, OR EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASE AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
6. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL, INTO EXISTING, WHEREVER INFILL REMAINS EXPOSED.
7. SEE SPECIFICATION SECTIONS 017329 AND 024119 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
8. REFER TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

1. REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
2. REMOVE ACOUSTICAL CEILING TILE IN AREA INDICATED. EXISTING GRID, LIGHTS, SPEAKERS, ETC. SHALL BE RE-INSTALLED IN NEW LAY-IN CEILING PANELS.
3. REMOVE DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
4. REMOVE TOILET PARTITIONS. SALVAGE ATTACHED ACCESSORIES FOR REINSTALLATION.
5. REMOVE LOCKERS AS INDICATED. BASE TO REMAIN.
6. REMOVE CERAMIC TILE FLOOR AND BASE. PREPARE SUBFLOOR FOR NEW FINISHES.
7. REMOVE THEATER SEATING AND ALL ASSOCIATED MOUNTING HARDWARE.
8. REMOVE HARDWOOD TRIM AT STAGE/STAIR EDGE AND CARPET ON VERTICAL SURFACE OF STAGE FRONT.
9. REMOVE EXISTING THRESHOLD. PREPARE SUBFLOOR FOR NEW THRESHOLD.
10. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING GYPSUM BOARD CEILINGS TO REMAIN. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
11. REMOVE TOILET ROOM ACCESSORIES. SALVAGE FOR REINSTALLATION IN EXISTING LOCATION AFTER NEW FINISH INSTALLATION.
12. REMOVE CERAMIC WALL TILE. PREPARE WALL SURFACES FOR NEW FINISHES.
13. REMOVE EXISTING TOILET ROOM PLUMBING AND ELECTRICAL FIXTURES TO ACCOMMODATE NEW FLOOR & WALL FINISHES. SALVAGE AND REINSTALL IN EXISTING LOCATION.
14. REMOVE EXISTING DOOR, HARDWARE, AND FRAME. PREPARE OPENING FOR NEW DOOR AND FRAME.
15. REMOVE EXISTING CARPET AND WALL BASE. COORDINATE WITH A10.X SERIES DRAWINGS.
16. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB. COORDINATE SIZE AND LOCATION WITH DETAIL 3/A5.1 AND REVIEWED THEATER SEATING SHOP DRAWING SUBMITTALS.
17. REMOVE AND SALVAGE EXISTING DOOR, HARDWARE, AND FRAME TO ACCOMMODATE NEW MECHANICAL EQUIPMENT INSTALLATION.
18. REMOVE EXISTING CEILING, GRID, AND LIGHTS IN SPACE INDICATED. EXISTING MECHANICAL REGISTERS TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.

SALVAGED ITEMS

- TOILET ROOM ACCESSORIES
- DOORS AND HARDWARE
- TOILET FIXTURES

SECOND LEVEL DEMOLITION PLAN - ZONE 'K'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

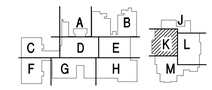
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Demolition Plan - Zone 'K'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS

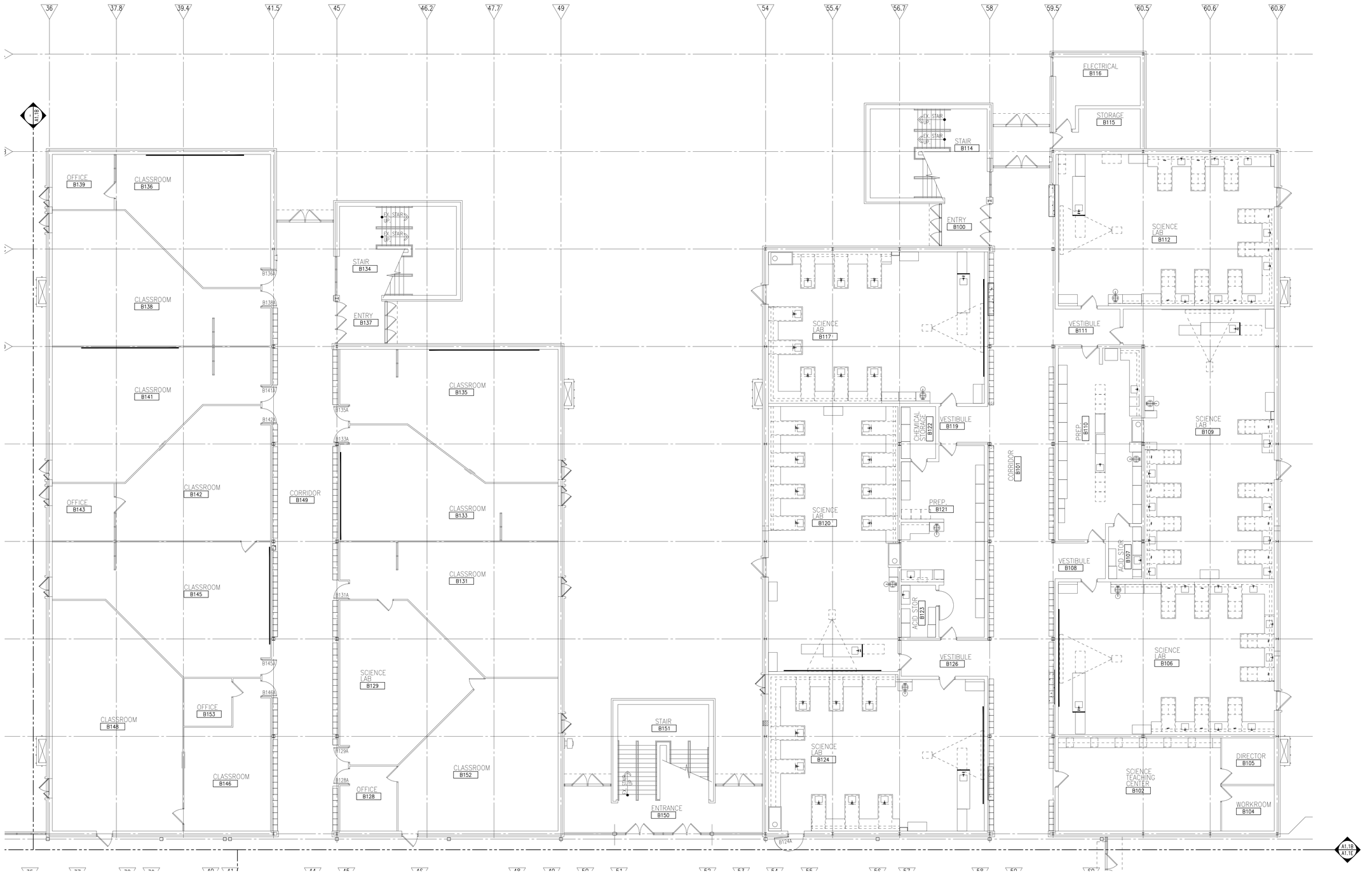
DRAWN	DCO
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A0.2K



REFER TO OTHER FLOOR PLANS FOR WALL LEGEND, PLAN KEYNOTES, GENERAL NOTES & PATCHING NOTES

FIRST LEVEL PLAN - ZONE 'B'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS · MICHIGAN · 48302
PH · 248.338.4561 FX · 248.338.0223
EM · INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

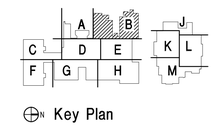
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level
Plan - Zone 'B'



ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

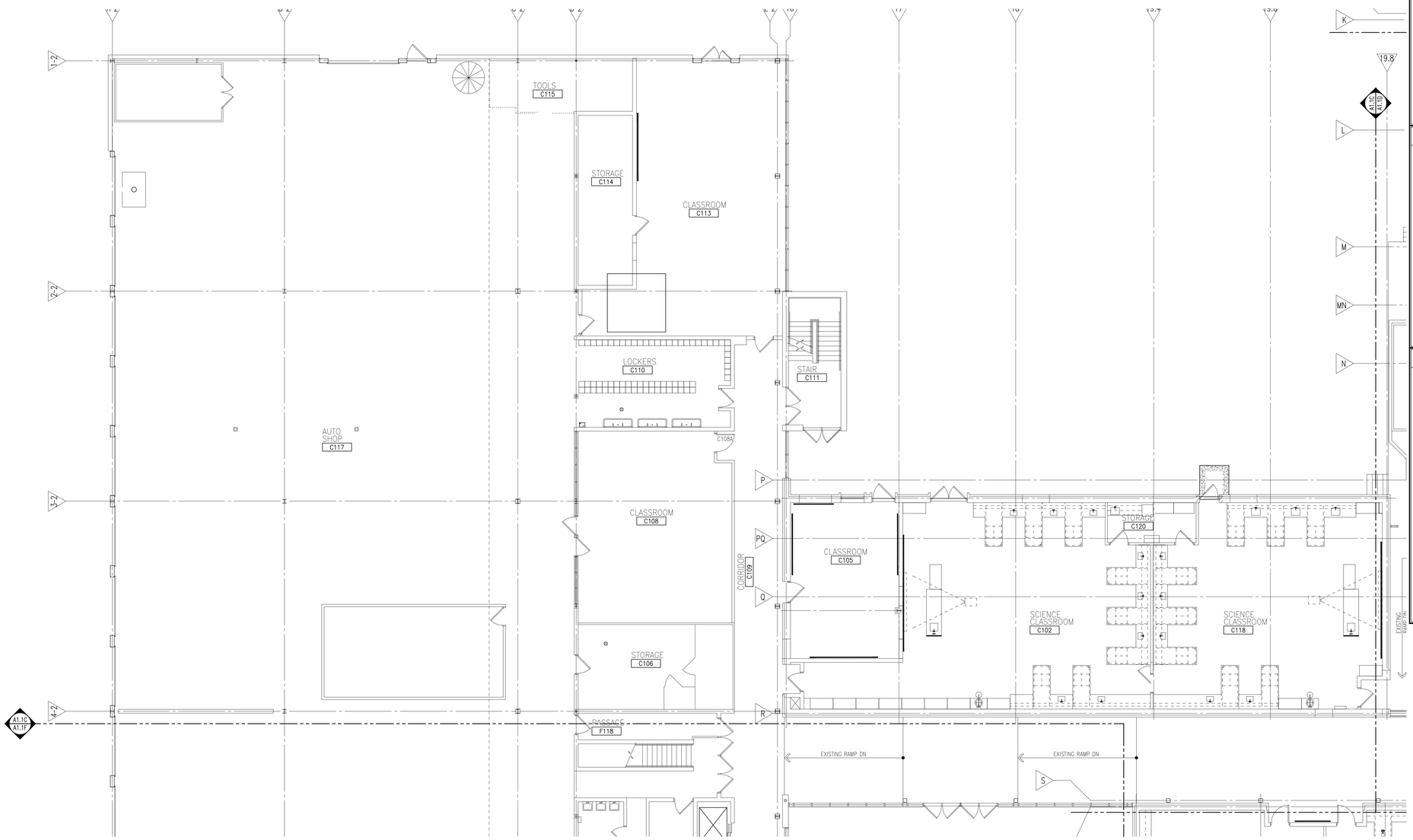
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1B



FIRST LEVEL PLAN - ZONE 'C'

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

WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10.__ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

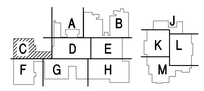
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'C'



Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

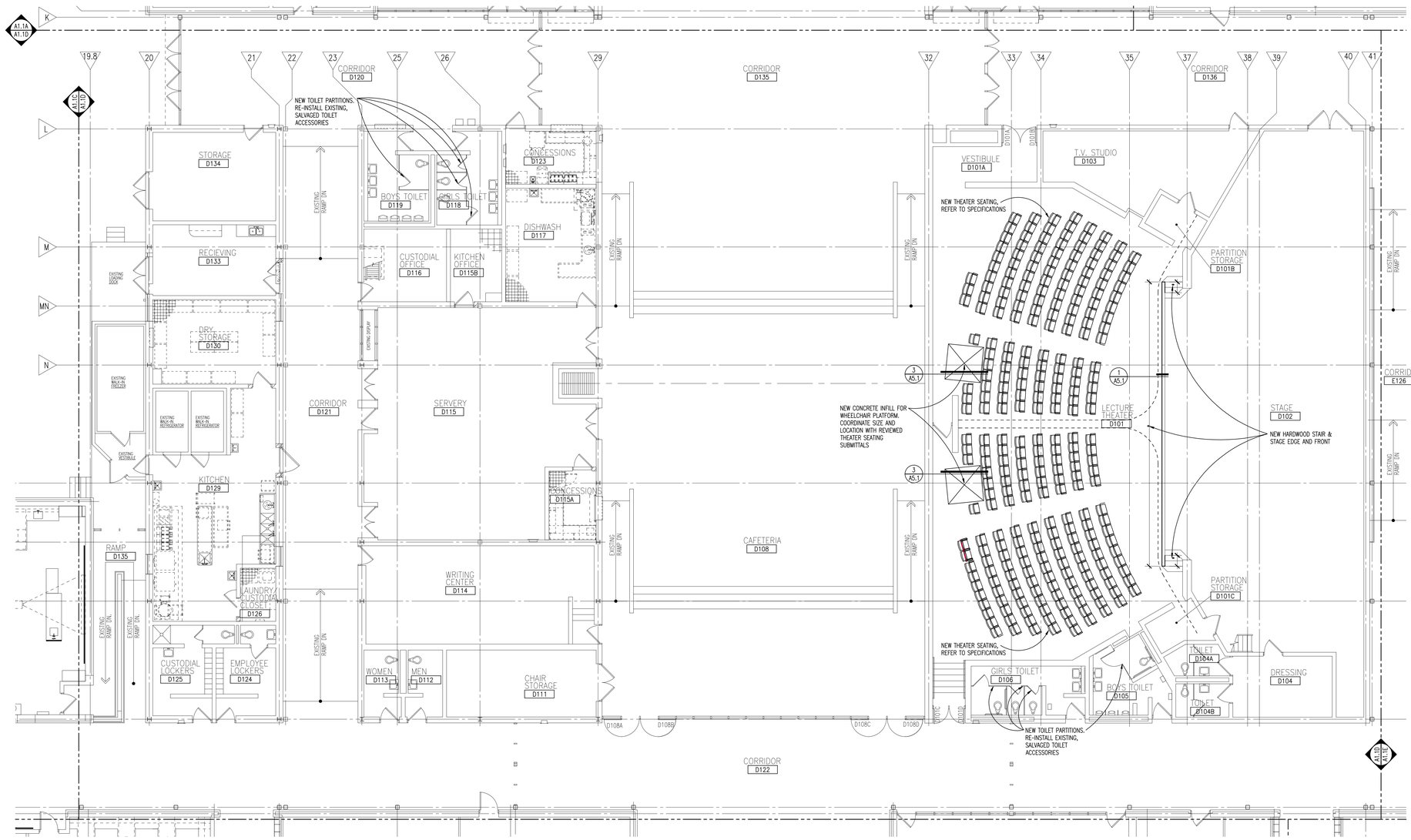
DATE:	ISSUED FOR:
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1C



FIRST LEVEL PLAN - ZONE 'D'

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

WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10_ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

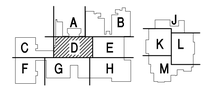
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'D'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

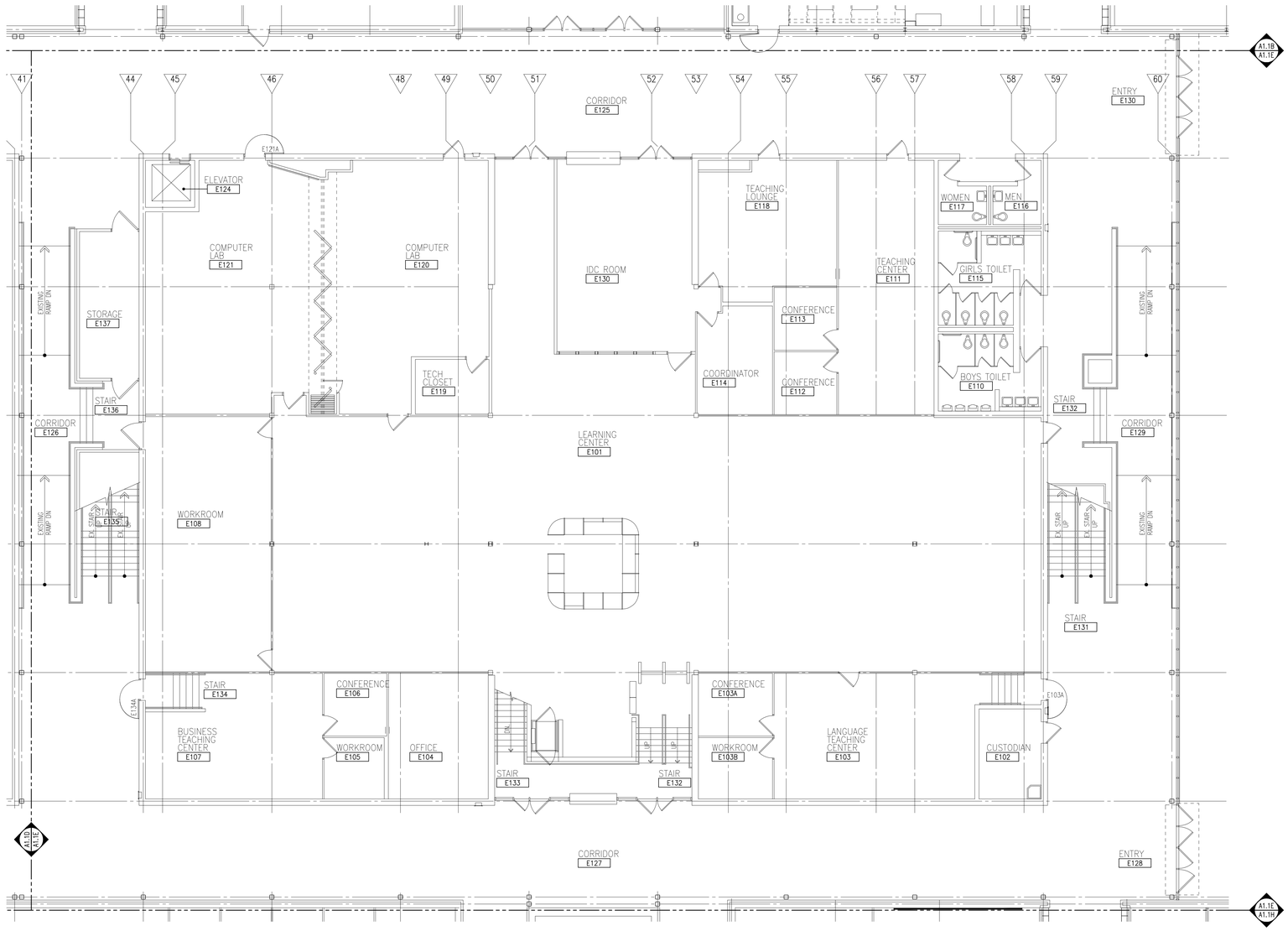
DATE:	ISSUED FOR:
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1D



WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10_ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

N

FIRST LEVEL PLAN - ZONE 'E'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS · MICHIGAN · 48302
PH · 248.338.4561 FX · 248.338.0223
EM · INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

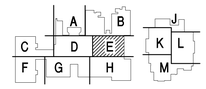
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'E'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

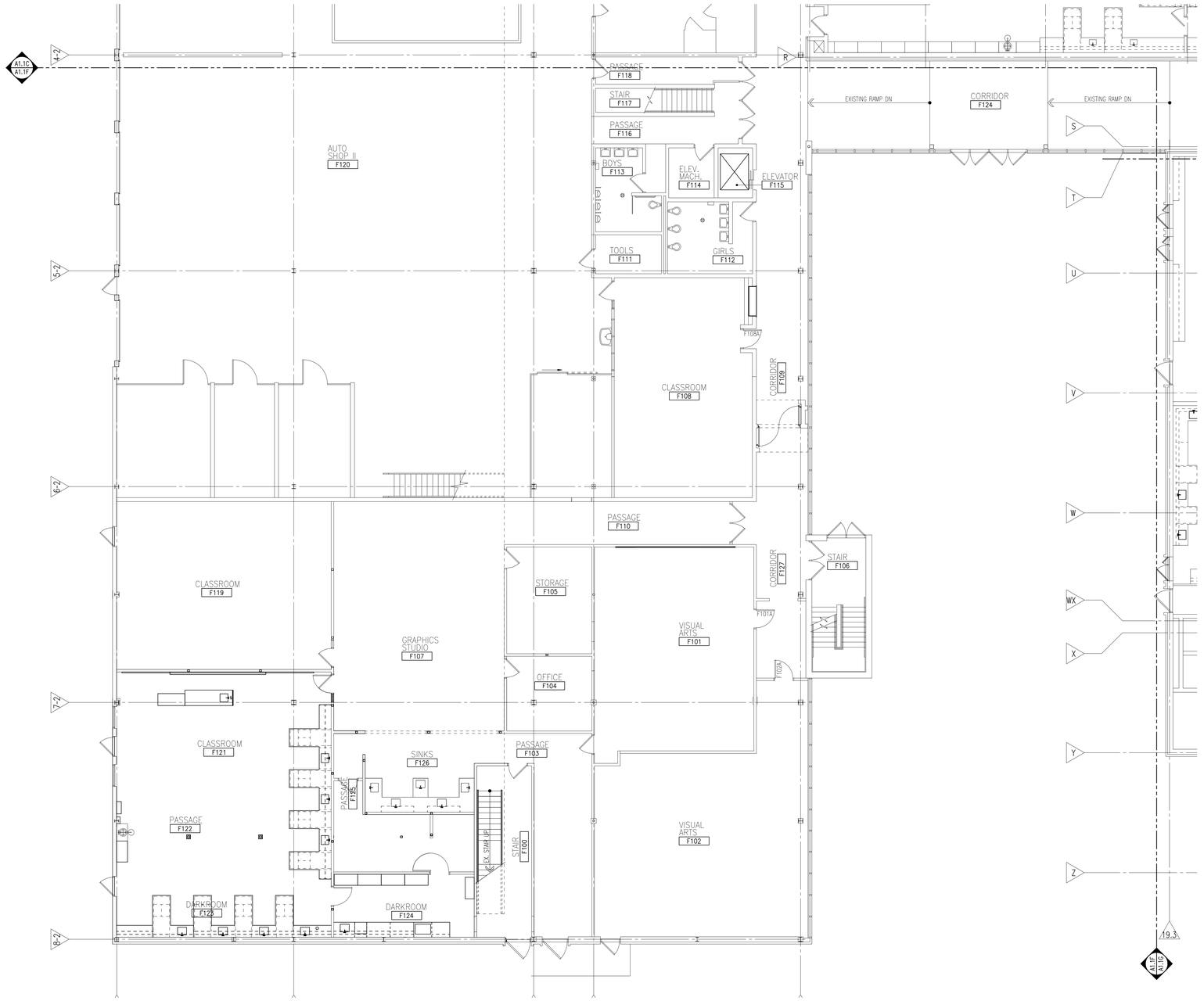
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1E



N

FIRST LEVEL FLOOR PLAN - ZONE 'F'

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

WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10._ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

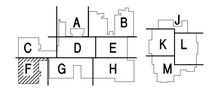
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'F'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

DATE:	ISSUED FOR:
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

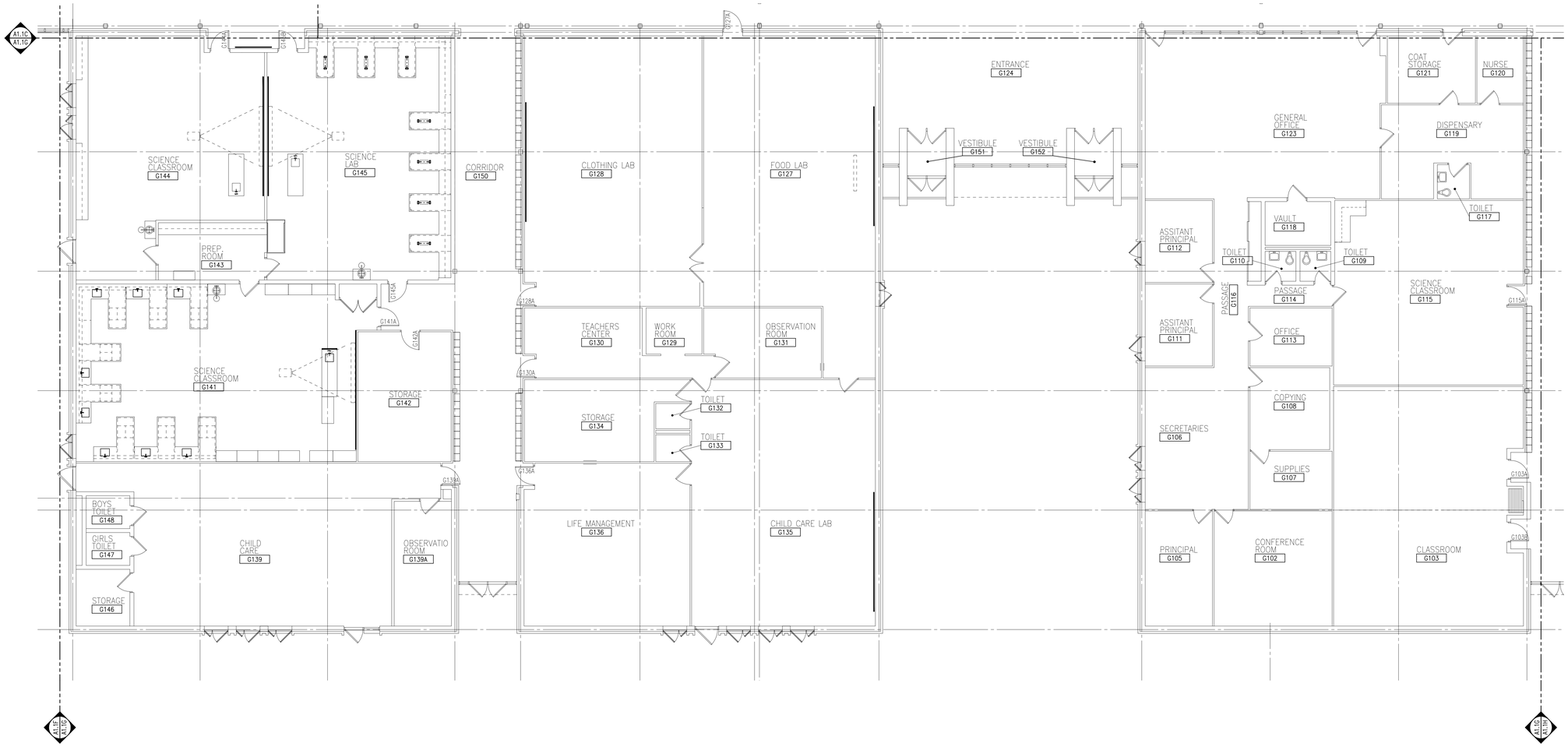
PROJECT NO.

13083E

DRAWING NO.

A1.1F

Drawing File: Q:\cad\20135mep\13083A\13083a_cd1.17.dwg
Jan 19, 2017 - 7:26am



REFER TO OTHER FLOOR PLANS FOR WALL LEGEND, PLAN KEYNOTES, GENERAL NOTES & PATCHING NOTES

N

FIRST LEVEL FLOOR PLAN - ZONE 'G'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

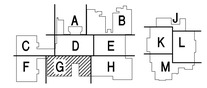
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'G'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

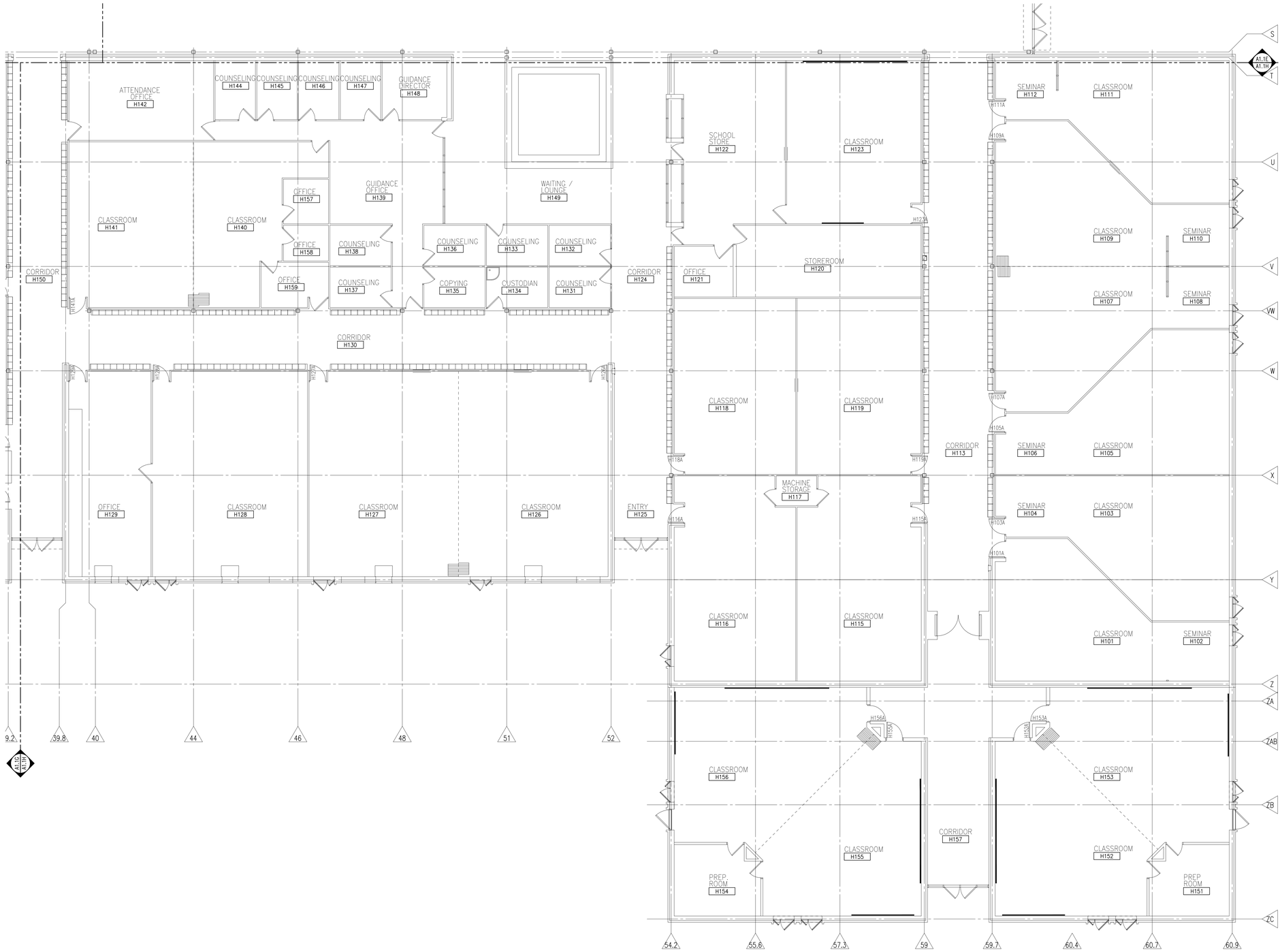
DATE:	ISSUED FOR:
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1G



N

FIRST LEVEL PLAN - ZONE 'H'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'H'

A B J
C D E K L
F G H M

N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

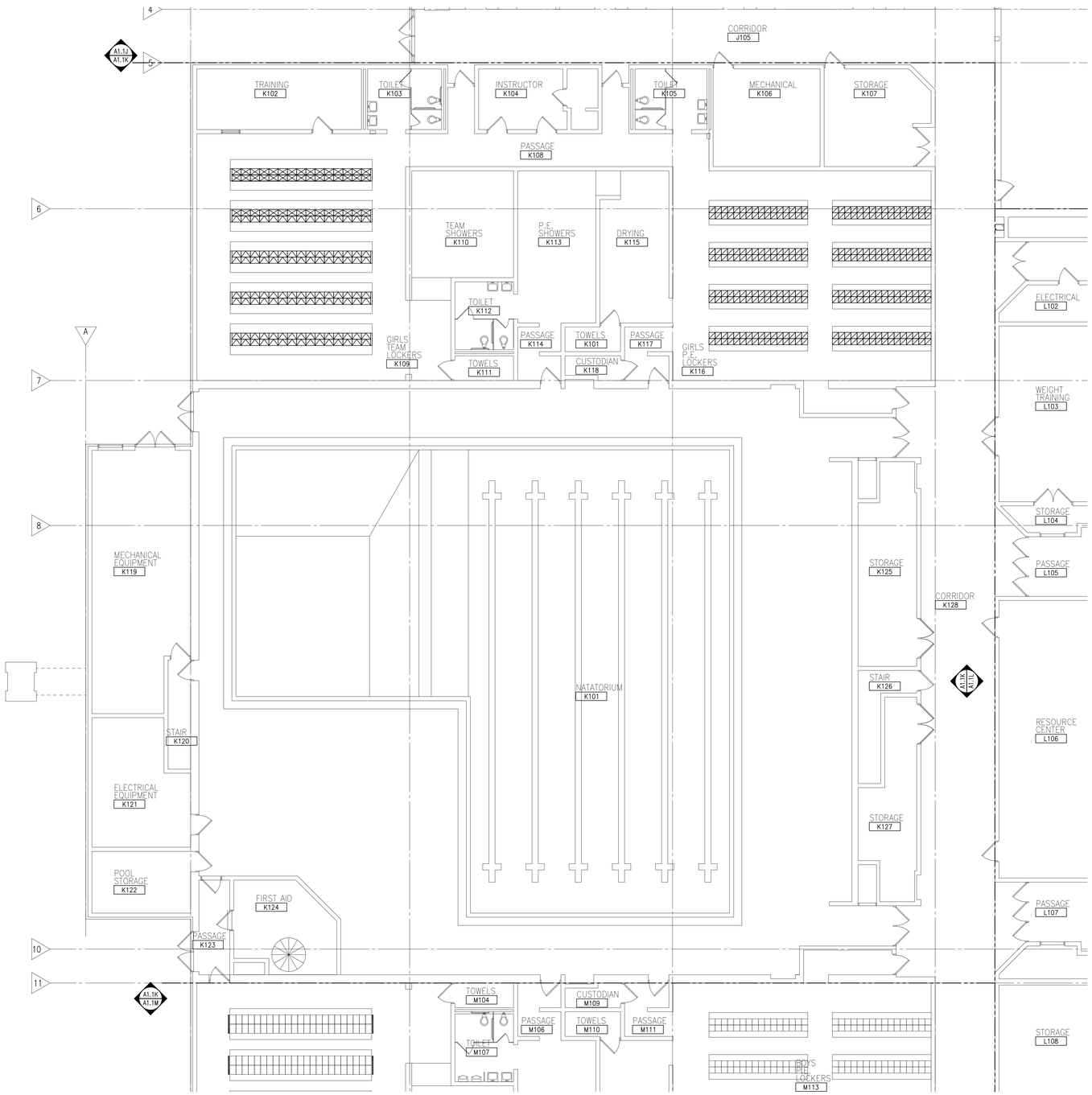
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1H



N

FIRST LEVEL PLAN - ZONE 'K'

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

LOCKER LEGEND

NOTE: NOT ALL LOCKER TYPES MAY BE USED AT THIS SCHOOL

- L-1 ⊠ DOUBLE-TIER ATHLETIC LOCKERS (12" x 12" x 72" HIGH) VENTILATED
- L-2 ⊠ SINGLE-TIER ATHLETIC LOCKERS (18" x 12" x 72" HIGH) VENTILATED
- L-3 ⊠ DOUBLE-TIER ATHLETIC LOCKERS (18" x 12" x 72" HIGH) VENTILATED
- L-4 □ EXISTING ATHLETIC LOCKERS TO BE REFURBISHED AS REQUIRED WHERE INDICATED
- L-5 ⊠ DOUBLE-TIER ATHLETIC LOCKERS (15" x 15" x 72" HIGH) VENTILATED

GENERAL LOCKER NOTES:

1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UNLESS OTHERWISE INDICATED).
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED.
3. PROVIDE 3/4" EXTERIOR GRADE PLYWOOD BACKER BEHIND FINISHED END PANELS AT REPLACEMENT ATHLETIC LOCKERS.
4. LOCKERS REPAIRS AT BOYS PE LOCKERS M113 AND BOYS TEAM ROOM LOCKERS M101 SHALL BE AS FOLLOWS:
   - A) PROVIDE FOR REPLACEMENT OF SIX (6) MISSING AND/OR DAMAGED 12"X12"± LOCKER DOORS AND HARDWARE COMPLETE IN COLOR TO MATCH EXISTING LOCKER COLOR.
   - B) PROVIDE FOR REPLACEMENT OF SIX (6) MISSING AND/OR DAMAGED 12"X36"± LOCKER DOORS AND HARDWARE COMPLETE IN COLOR TO MATCH EXISTING LOCKER COLOR. LOCATIONS SHALL BE DIRECTED IN FIELD.
   - C) THOROUGHLY INSPECT ALL LOCKERS FOR BROKEN AND/OR MISSING HARDWARE. COORDINATE WITH ALLOWANCE NO. 1 SPECIFICATION SECTION 012100 ALLOWANCES.
   - D) ADJUST ALL DOORS AND MECHANISMS TO PROPER OPERATING TOLERANCES.
   - E) REPLACE ALL NYLON CATCH CUPS.
   - F) AT BOYS TEAM LOCKERS M101; PROVIDE NEW FULL HEIGHT SLOPED TOP DOUBLE FINISHED END PANELS IN COLOR TO MATCH EXISTING LOCKER COLOR. PROVIDE ¾" EXTERIOR GRADE PLYWOOD FILLER IN FINISHED END PANEL FOR RIGIDITY. END PANELS SHALL BE PROVIDED AT ALL EXISTING LOCKER BANKS.

WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10.._ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4565 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

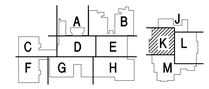
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'K'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-19-17	95% REVIEW

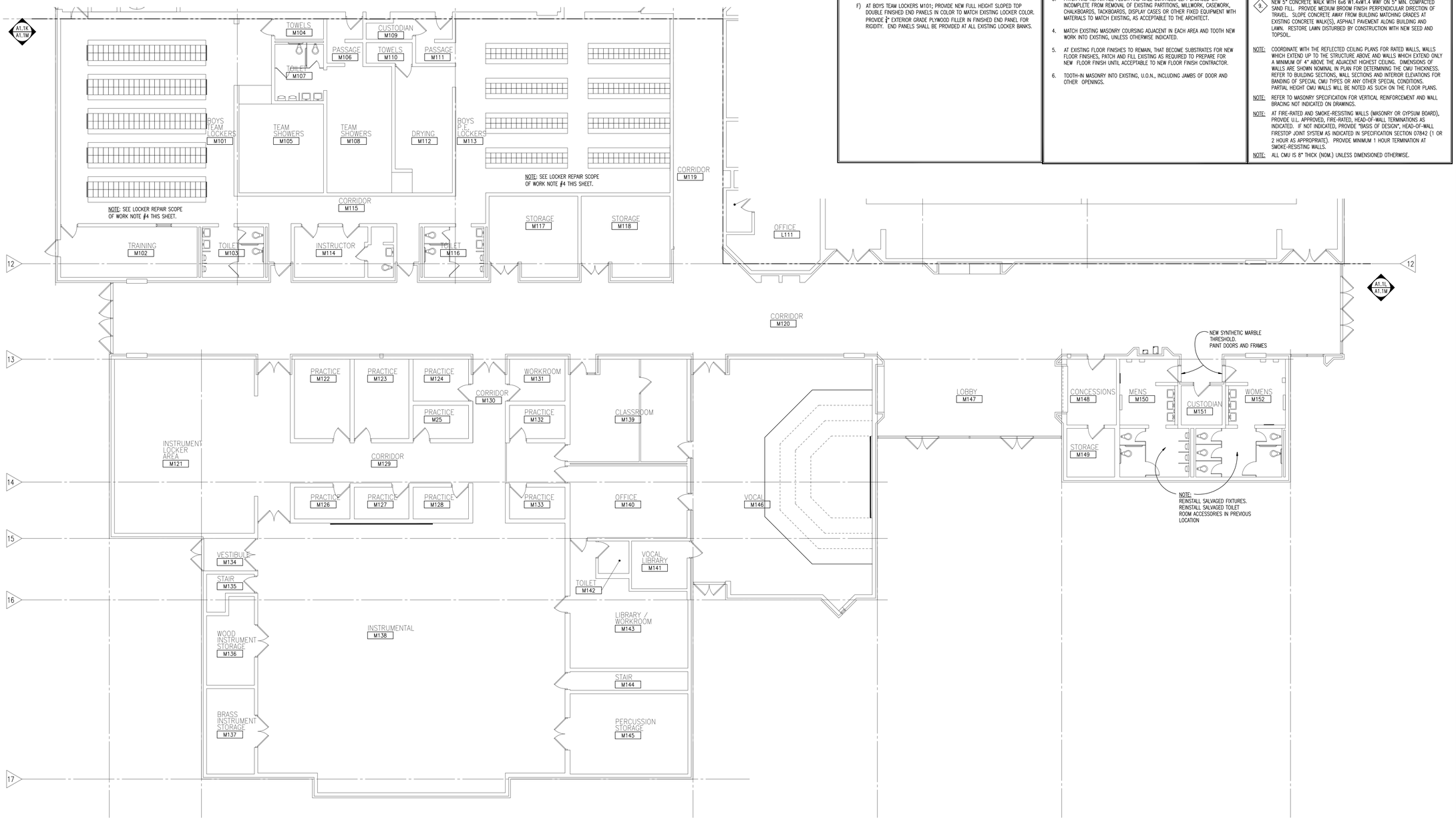
DATE:	ISSUED FOR:
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1K



LOCKER LEGEND

NOTE: NOT ALL LOCKER TYPES MAY BE USED AT THIS SCHOOL

- L-1 ☑ DOUBLE-TIER ATHLETIC LOCKERS (12" x 12" x 72" HIGH) VENTILATED
- L-2 ☒ SINGLE-TIER ATHLETIC LOCKERS (18" x 12" x 72" HIGH) VENTILATED
- L-3 ⩚ DOUBLE-TIER ATHLETIC LOCKERS (18" x 12" x 72" HIGH) VENTILATED
- L-4 ☐ EXISTING ATHLETIC LOCKERS TO BE REFURBISHED AS REQUIRED WHERE INDICATED
- L-5 ⩚ DOUBLE-TIER ATHLETIC LOCKERS (15" x 15" x 72" HIGH) VENTILATED

GENERAL LOCKER NOTES:

1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UNLESS OTHERWISE INDICATED).
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED.
3. PROVIDE 3/4" EXTERIOR GRADE PLYWOOD BACKER BEHIND FINISHED END PANELS AT REPLACEMENT ATHLETIC LOCKERS.
4. LOCKERS REPAIRS AT BOYS PE LOCKERS M113 AND BOYS TEAM ROOM LOCKERS M101 SHALL BE AS FOLLOWS:
   - A) PROVIDE FOR REPLACEMENT OF SIX (6) MISSING AND/OR DAMAGED 12"X12"± LOCKER DOORS AND HARDWARE COMPLETE IN COLOR TO MATCH EXISTING LOCKER COLOR.
   - B) PROVIDE FOR REPLACEMENT OF SIX (6) MISSING AND/OR DAMAGED 12"X36"± LOCKER DOORS AND HARDWARE COMPLETE IN COLOR TO MATCH EXISTING LOCKER COLOR. LOCATIONS SHALL BE DIRECTED IN FIELD.
   - C) THOROUGHLY INSPECT ALL LOCKERS FOR BROKEN AND/OR MISSING HARDWARE. COORDINATE WITH ALLOWANCE NO. 1 SPECIFICATION SECTION 012100 ALLOWANCES.
   - D) ADJUST ALL DOORS AND MECHANISMS TO PROPER OPERATING TOLERANCES.
   - E) REPLACE ALL NYLON CATCH CUPS.
   - F) AT BOYS TEAM LOCKERS M101; PROVIDE NEW FULL HEIGHT SLOPED TOP DOUBLE FINISHED END PANELS IN COLOR TO MATCH EXISTING LOCKER COLOR. PROVIDE 2" EXTERIOR GRADE PLYWOOD FILLER IN FINISHED END PANEL FOR RIGIDITY. END PANELS SHALL BE PROVIDED AT ALL EXISTING LOCKER BANKS.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10._ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

FIRST LEVEL PLAN - ZONE 'M'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4565 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Plan - Zone 'M'

A B J C D E K L F G H M

N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

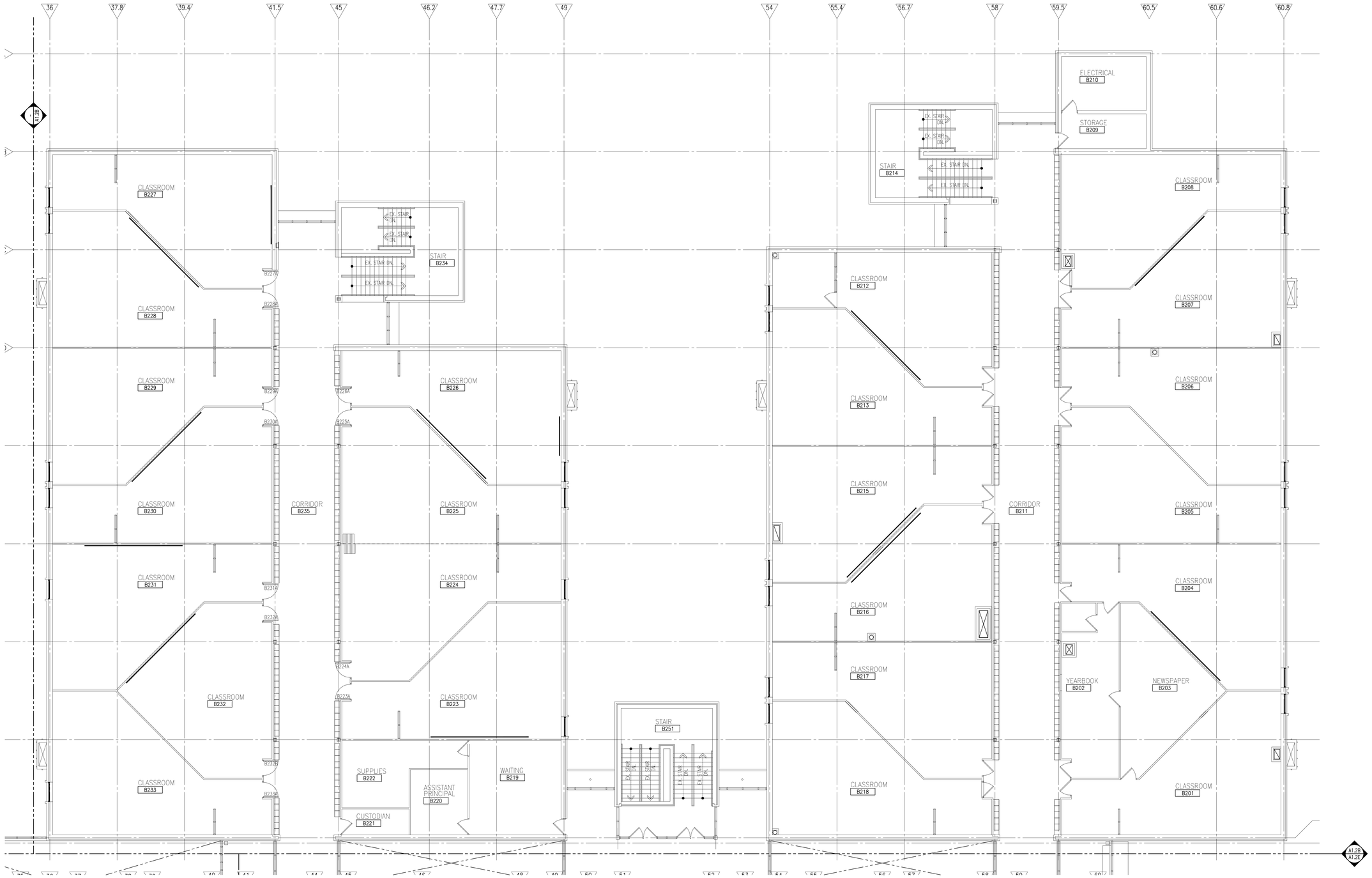
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.1M



REFER TO OTHER FLOOR PLANS FOR WALL LEGEND, PLAN KEYNOTES, GENERAL NOTES & PATCHING NOTES

SECOND LEVEL PLAN - ZONE 'B'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

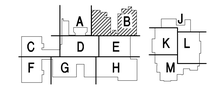
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Plan - Zone 'B'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.2B

WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITINS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8"± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ½" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ½" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

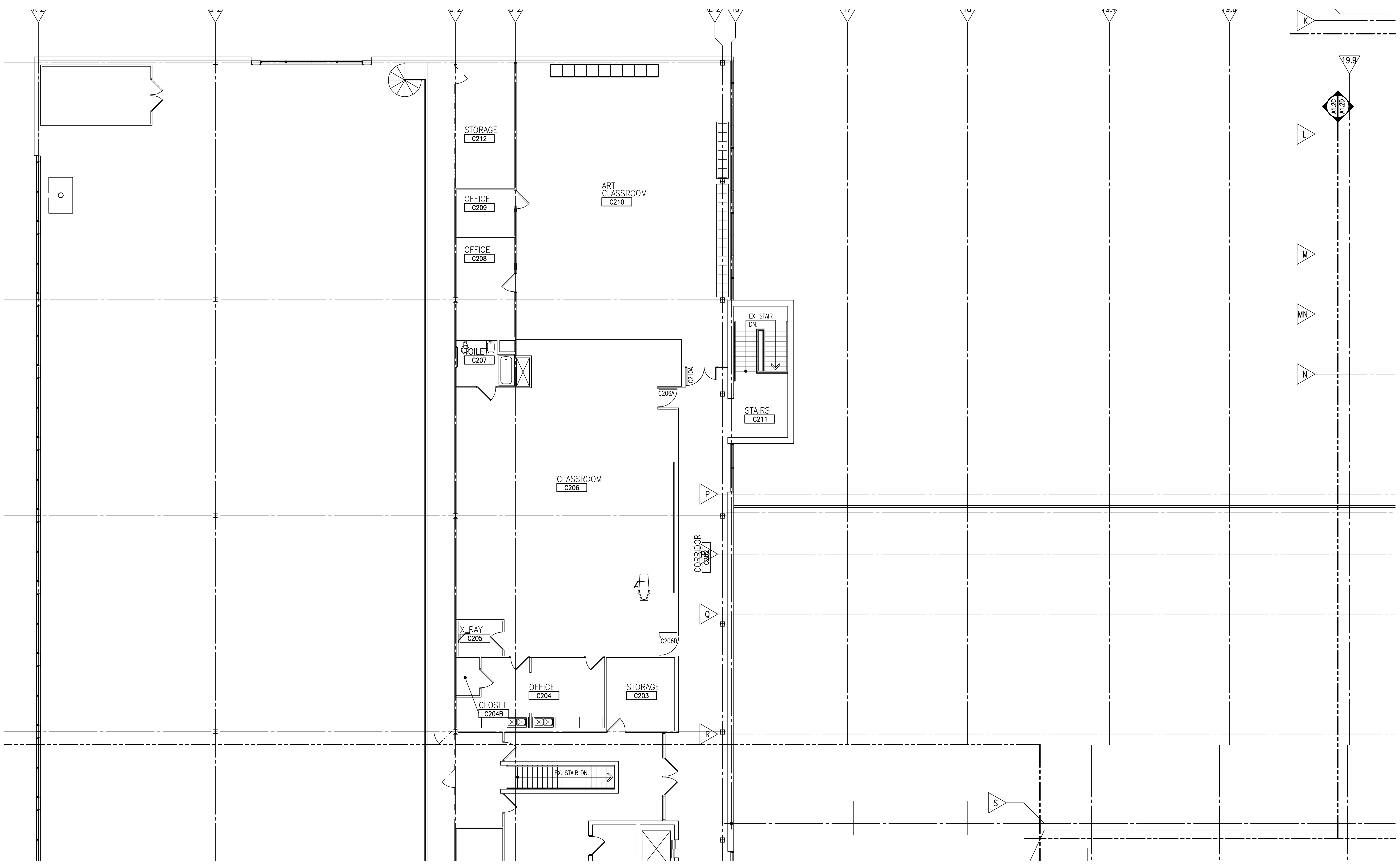
NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10._ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.



SECOND LEVEL PLAN - ZONE 'C'

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

ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS · MICHIGAN · 48302
PH · 248.338.4561 FX · 248.338.0223
EM · INFO@TMP-ARCHITECTURE.COM

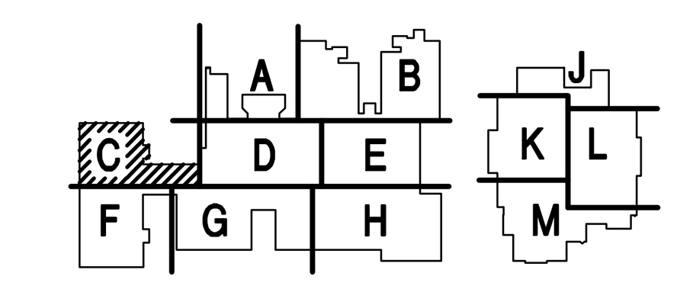
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE
Second Level Plan - Zone 'C'



Key Plan

ISSUE DATES

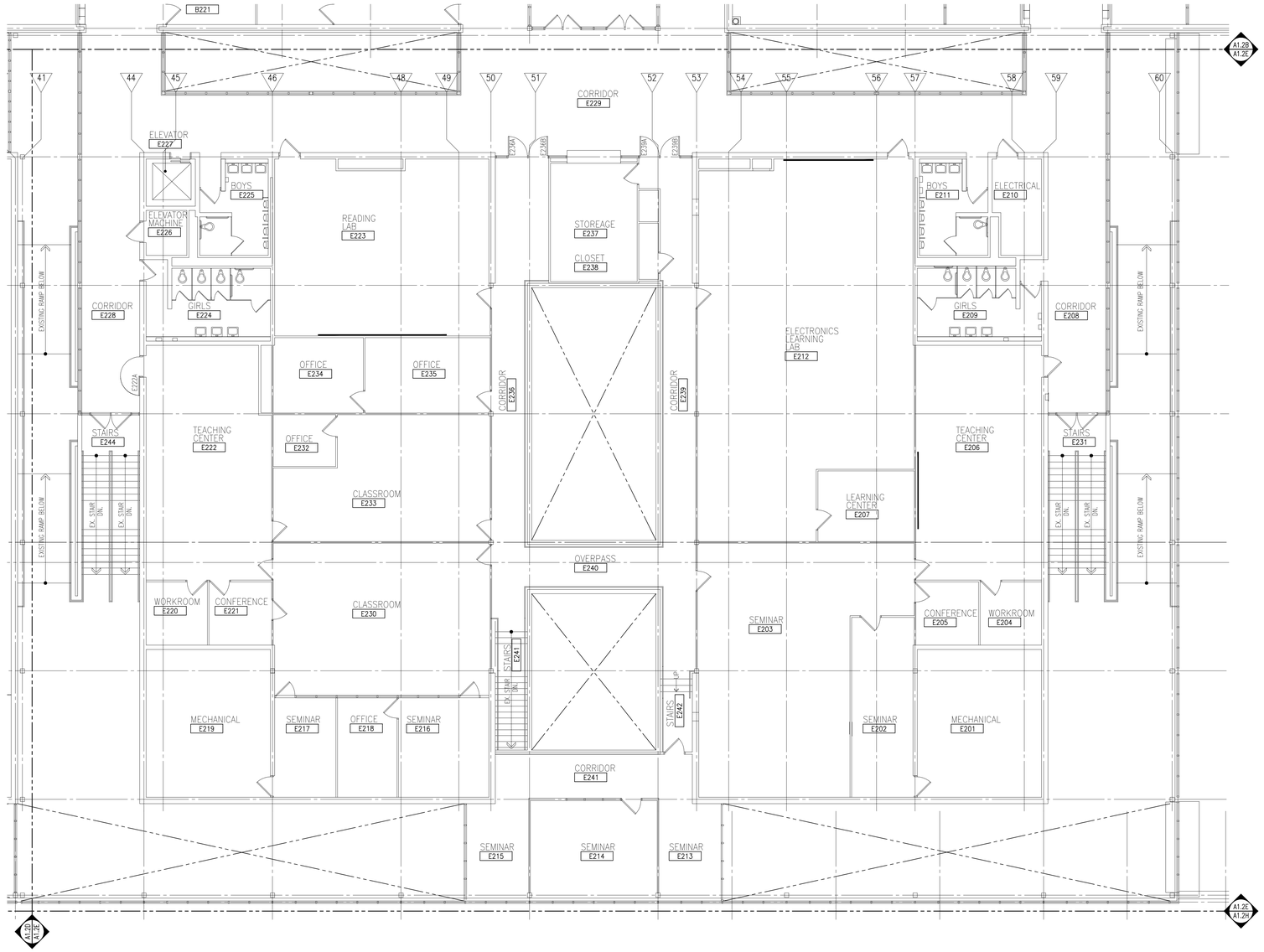
DATE:	ISSUED FOR:
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
01-19-17	BIDS
01-13-17	95% REVIEW

DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.
13083E

DRAWING NO.
A1.2C

Drawing File: Q:\acad\2013tmpa\13083e\13083e_cd\13083e_a1.2c.dwg
Jan 19, 2017 - 10:38am



WALL / PARTITION KEY

EXISTING WALL CONSTRUCTION

WALL / PARTITION LEGEND

1. 8" CONCRETE MASONRY UNIT WALL (CMU) TO UNDERSIDE OF ROOF DECK ABOVE.
2. 4" CONCRETE MASONRY UNIT (CMU) ON 8" CONCRETE MASONRY UNIT WALL INFILL. CMU SHALL BE FLUSH WITH BOTH SIDE OF EXISTING WALL. REMOVE BULLNOSE JAMBS AND TOOTH NEW BLOCK INTO EXISTING FULL HEIGHT OF EXISTING DOOR OPENING AND/OR COUNTER SHUTTER OPENING. COORDINATE WITH IN-FIELD OCNDITNS.
3. (3) 12"x12"x72" METAL LOCKERS. PROVIDE FINISHED BOXED END PANEL, PREFINISHED METAL BASE AND SLOPE TOP.
4. 4" CONCRETE FLOOR PATCH ON 4" MINIMUM COMPACTED SAND FILL AT NEW UTILITY TRENCH. COORDINATE WITH DEMOLITION PLAN AND SECTION 2/A4.1.
5. REINSTALL EXISTING 4'X8'± MARKER BOARD AND TRAY.
6. RELOCATED BASE CABINETS, WALL CABINETS, BACK SIDESPLASH, SINK, ETC. COORDINATE WITH MECHANICAL FOR H.W., C.W. & WASTE PIPING.
7. RELOCATED SHELVING UNIT (4) SECTIONS AT 36"WIDE x 12"± DEEP x 72" ± HIGH. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
8. RELOCATED SHELVING UNIT (3) SECTIONS AT 36"WIDE x 24"± DEEP x 72" ± HIGH. DISPOSE OF REMAINING SHELVING UNITS. SALVAGE FINISHED END FROM DEMO. AND INSTALL AT END OF RELOCATED SHELVING UNIT. PROVIDE NEW BASE CONSISTING OF 2"x4" NON-COMB. WOOD STUD FRAME AND ¾" NON-COMB. PLYWOOD TOP FOR EXISTING SHELVING. BASE TO BE RECESSED 1" AT FRONT AND FINISHED SIDE. PROVIDE RESILIENT BASE CUT TO FIT.
9. NEW 5" CONCRETE WALK WITH 6x6 W1.4xW1.4 WWF ON 5" MIN. COMPACTED SAND FILL. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR DIRECTION OF TRAVEL. SLOPE CONCRETE AWAY FROM BUILDING MATCHING GRADES AT EXISTING CONCRETE WALK(S), ASPHALT PAVEMENT ALONG BUILDING AND LAWN. RESTORE LAWN DISTURBED BY CONSTRUCTION WITH NEW SEED AND TOPSOIL.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

NOTE: REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.

NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07842 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
2. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
3. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
4. REFER TO A10._ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
5. VERIFY ALL DIMENSIONS IN FIELD.
6. CONTRACTOR SHALL VERIFY EXISTING FRAME OPENING SIZE AND HARDWARE LOCATIONS FOR ALL DOORS SCHEDULED TO BE REPLACED WITH EXISTING FRAME TO REMAIN.

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5. AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

SECOND LEVEL PLAN - ZONE 'E'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

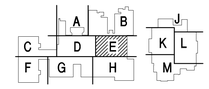
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Plan - Zone 'E'



Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

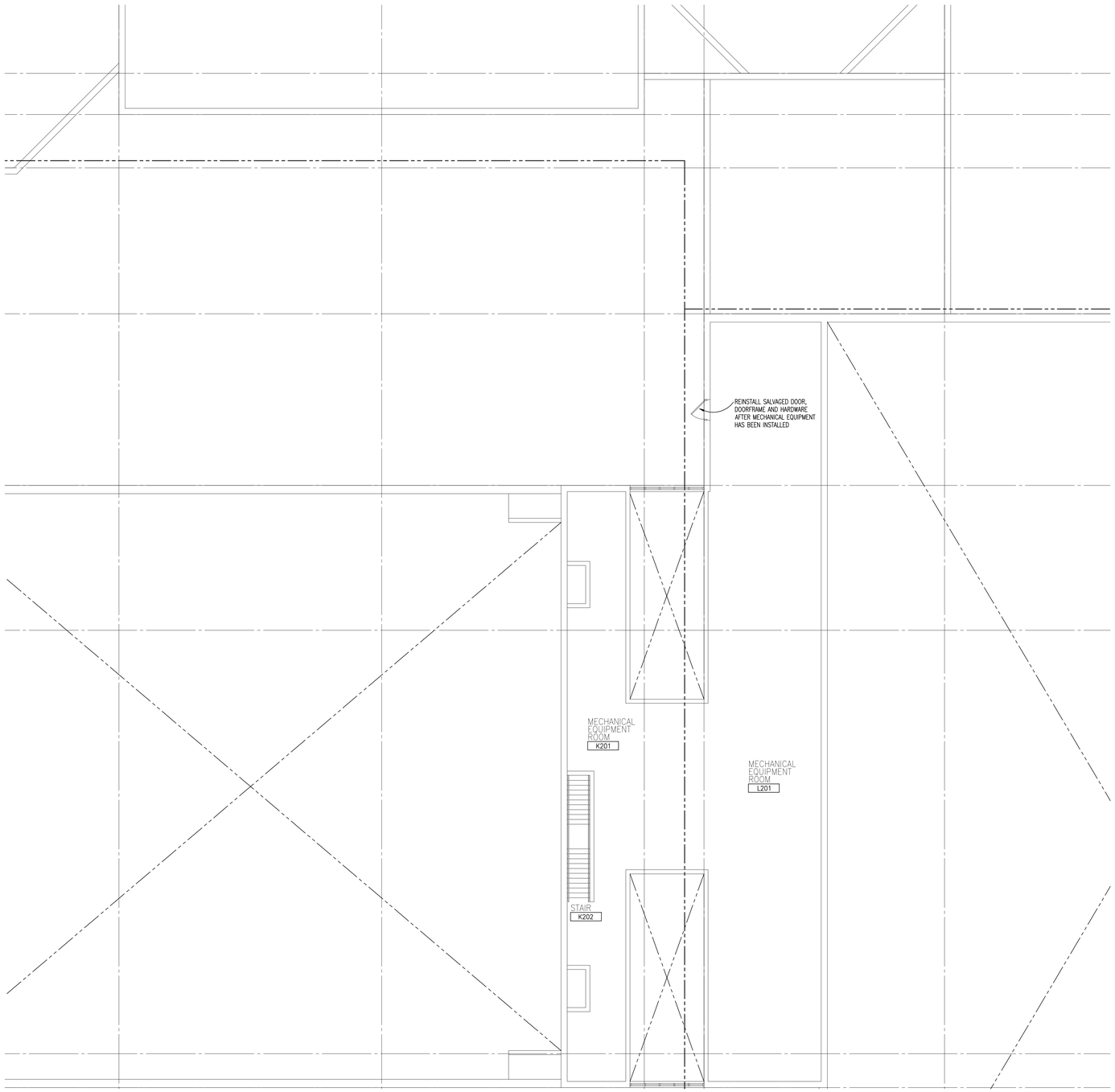
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.2E



N SECOND LEVEL PLAN - ZONE 'K'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

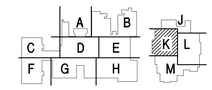
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Plan - Zone 'K'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS

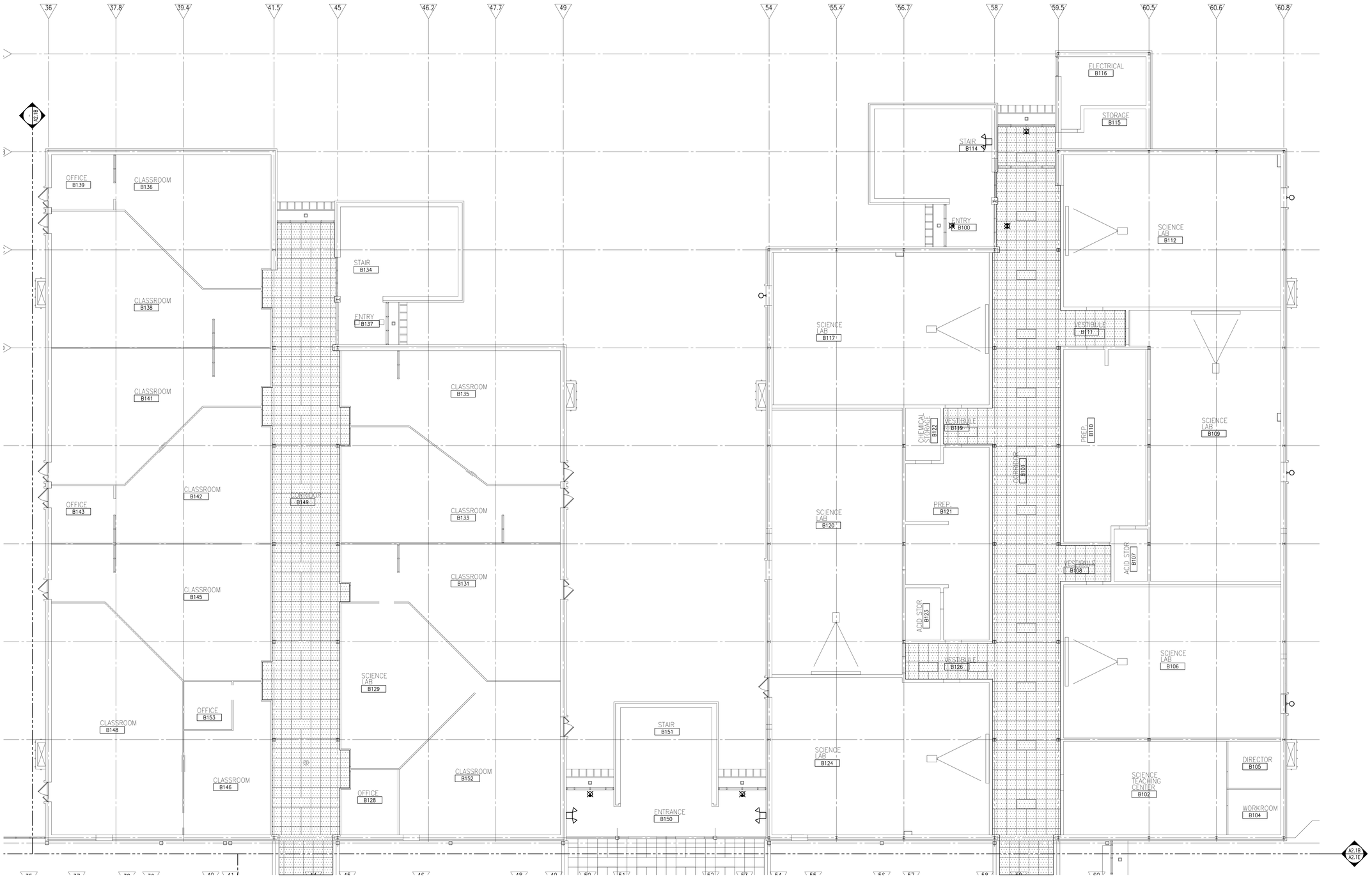
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A1.2K



REFER TO OTHER REFLECTED CEILING PLANS FOR FIXTURE LEGEND, CEILING KEY, FINISH ABBREVIATIONS, & GENERAL NOTES

N

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'B'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

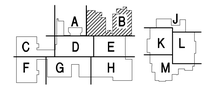
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level
Reflected Ceiling Plan - Zone 'B'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

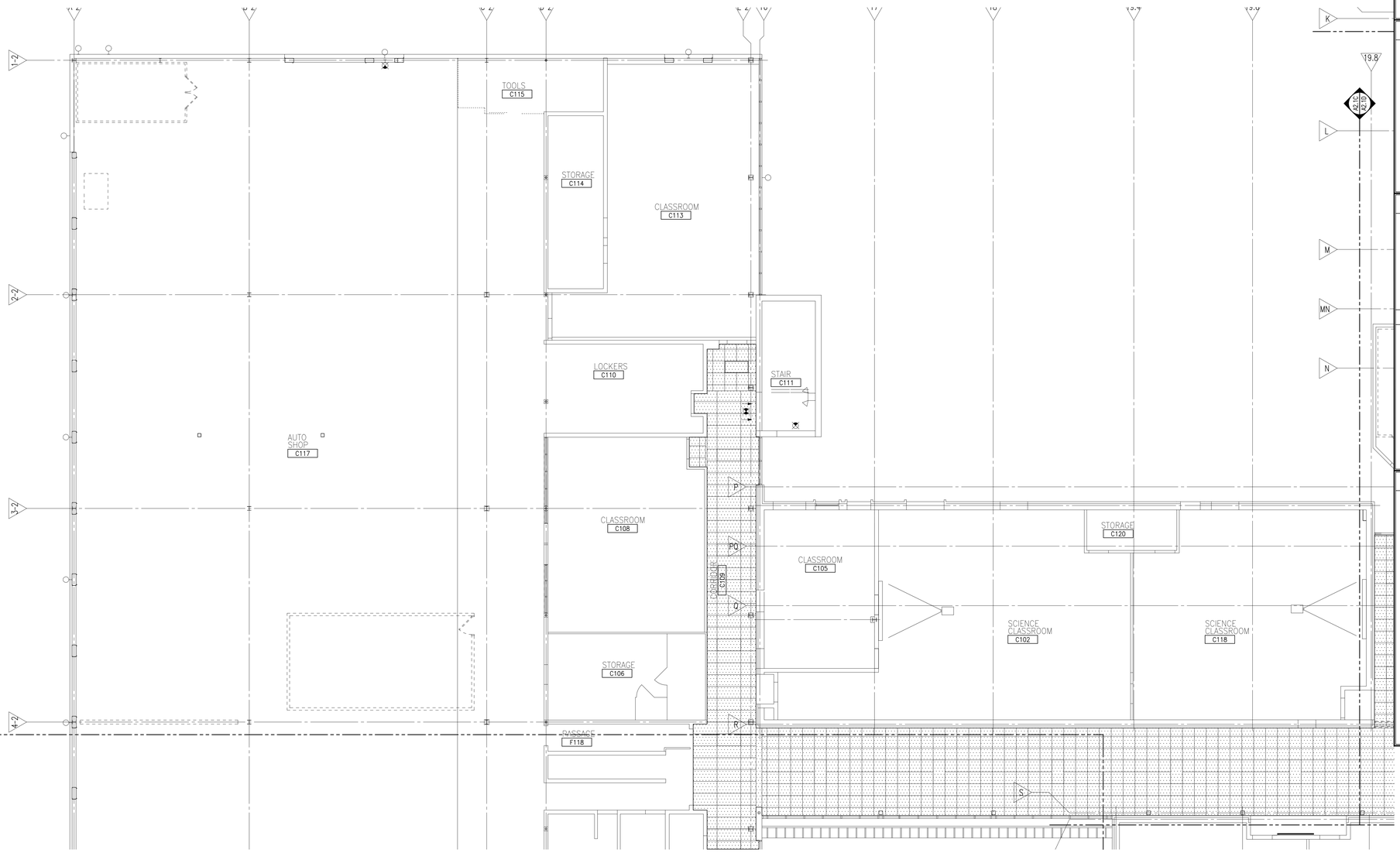
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1B



FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4'/ 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'C'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'C'

A B C D E F G H J K L M

Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

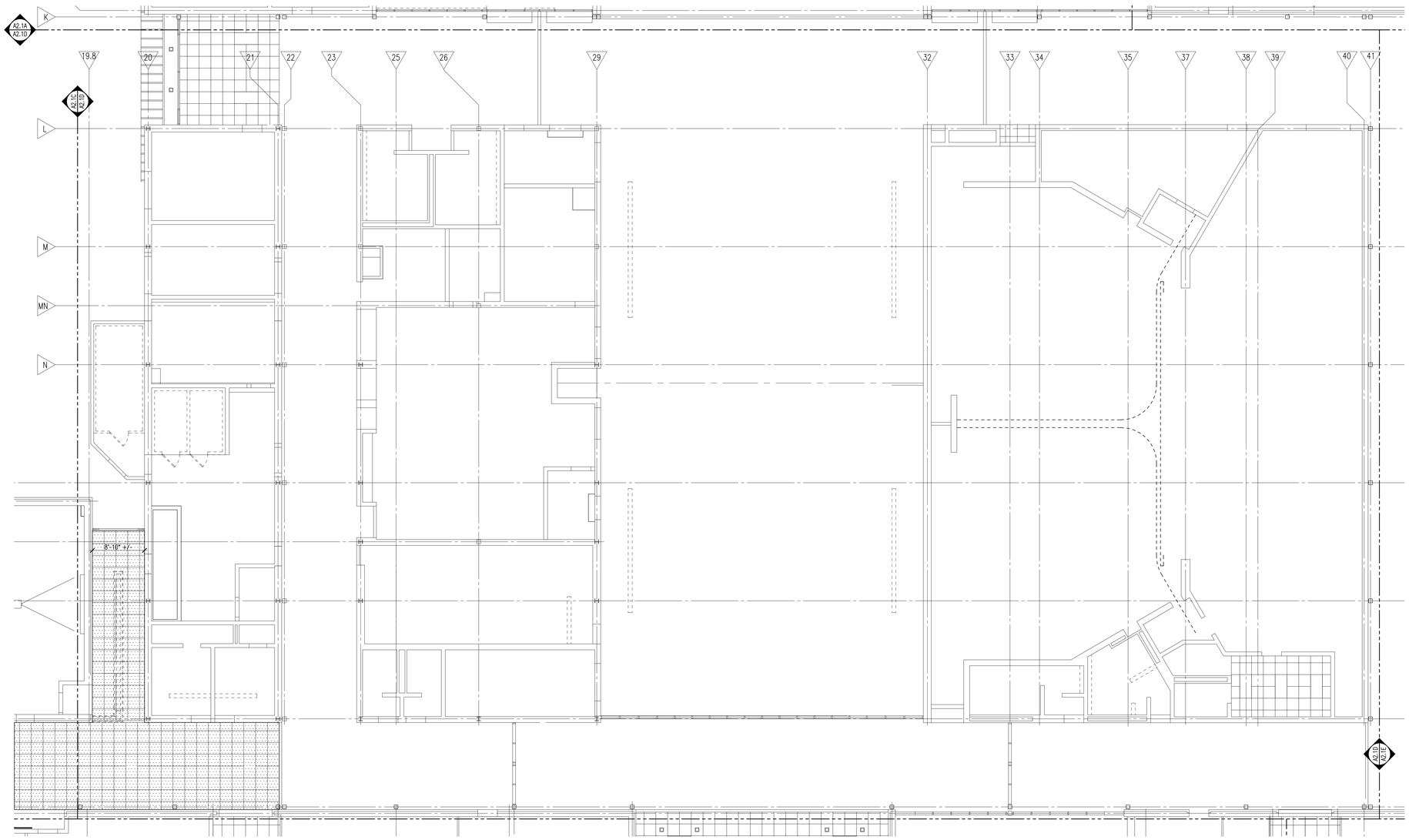
DATE:	ISSUED FOR:
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1C



FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4') 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME		
101 ← ROOM NUMBER		
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW)	→	ALUM
9'-0" ← CEILING HEIGHT (A.F.F.)	→	8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'D'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

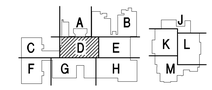
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'D'



Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

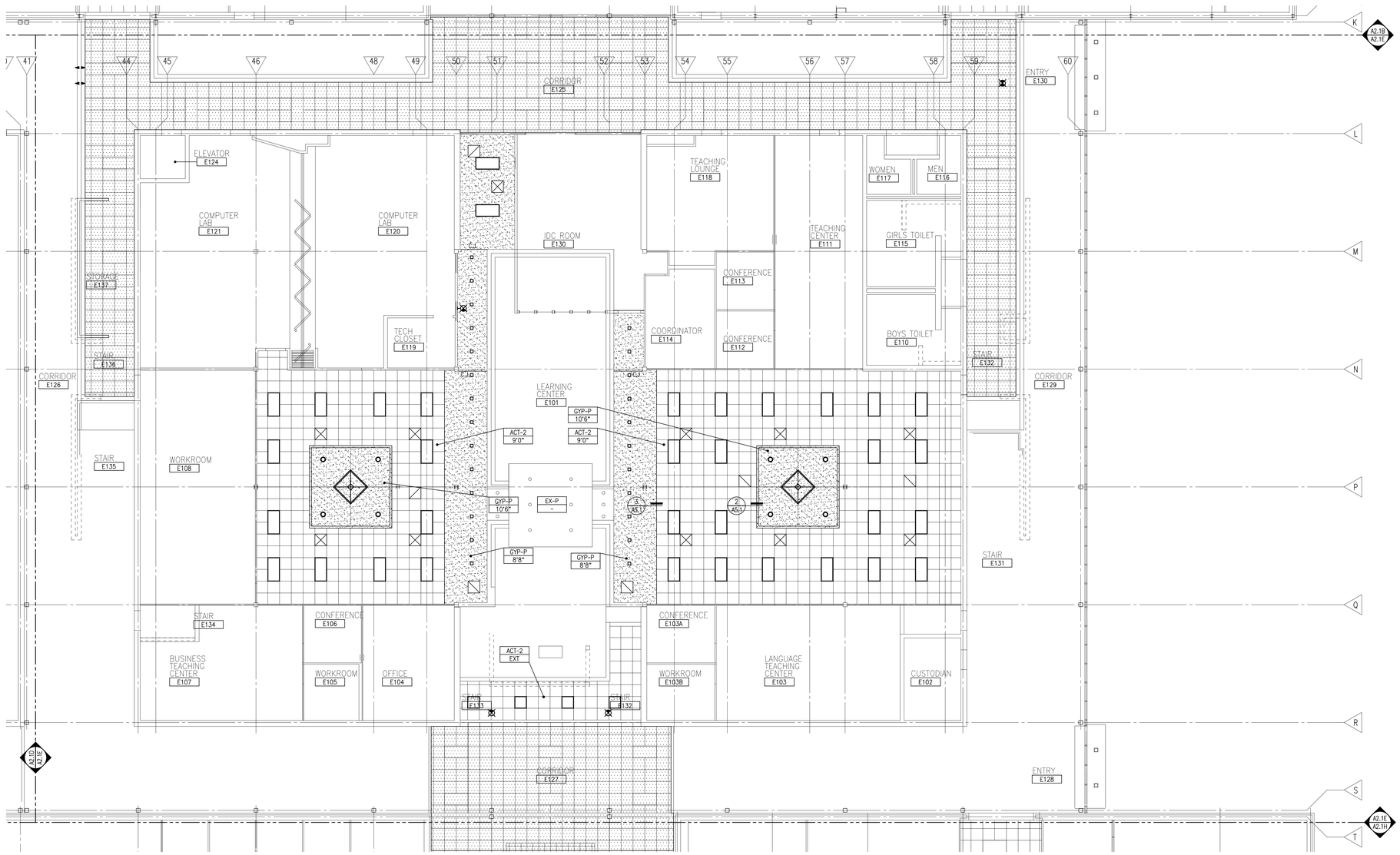
DRAWN	MNG
CHECKED	WPW
APPROVED	JSR

PROJECT NO.

13083E

DRAWING NO.

A2.1D



FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4'/ 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'E'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Relected Ceiling Plan - Zone 'E'

A B J
C D E K L
F G H M

N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW
DATE:	ISSUED FOR:

DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1E

N

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'F'

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

FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4') 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

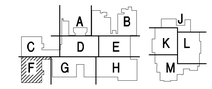
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'F'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

DATE:	ISSUED FOR:
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1F

Drawing File: Z:\Local\2013\mep\13083A\13083A_cd\13083A_a21f.dwg
Date: 01-19-2017 - Kaplan

FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4'/ 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

N

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'H'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'H'

A B J
C D E K L
F G H M

N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

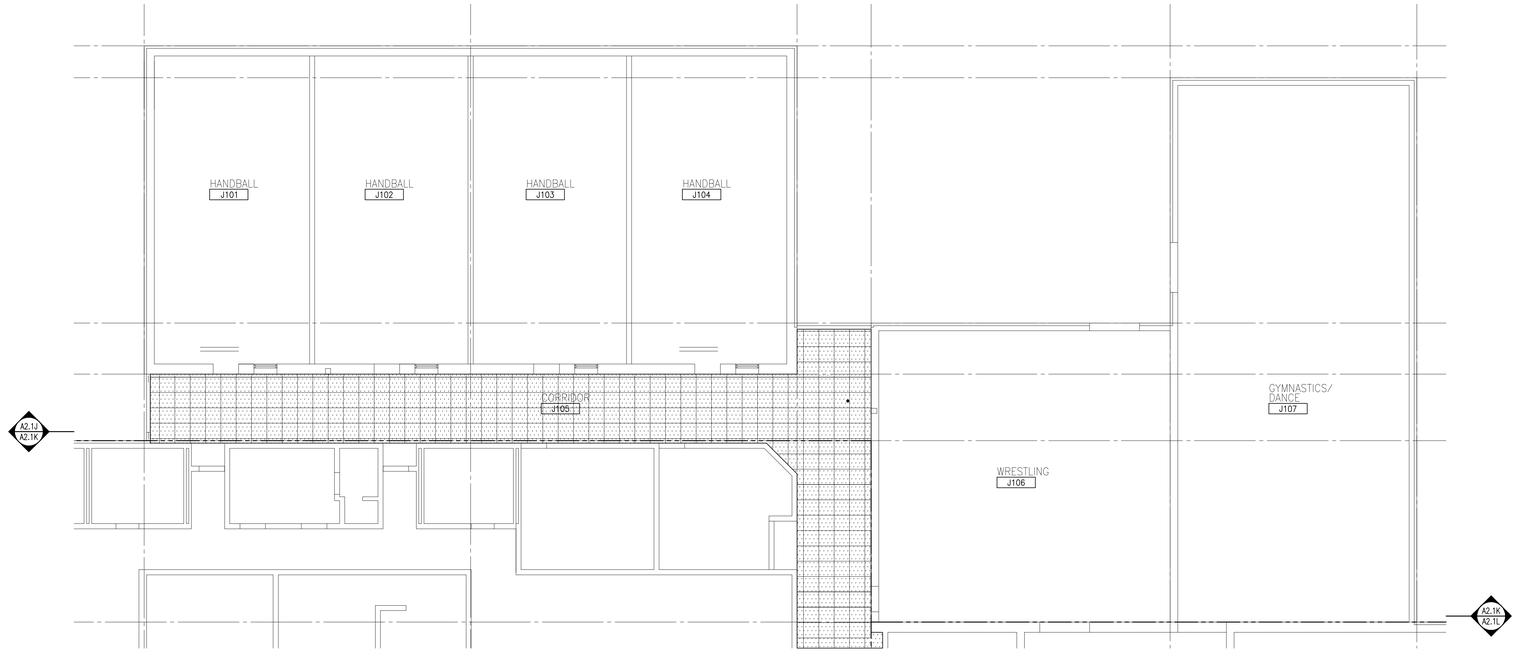
DATE:	ISSUED FOR:
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1H



FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4'/ 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS	CEILING FINISH TAG
ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.	SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'J'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level
Reflected Ceiling Plan - Zone 'J'

N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

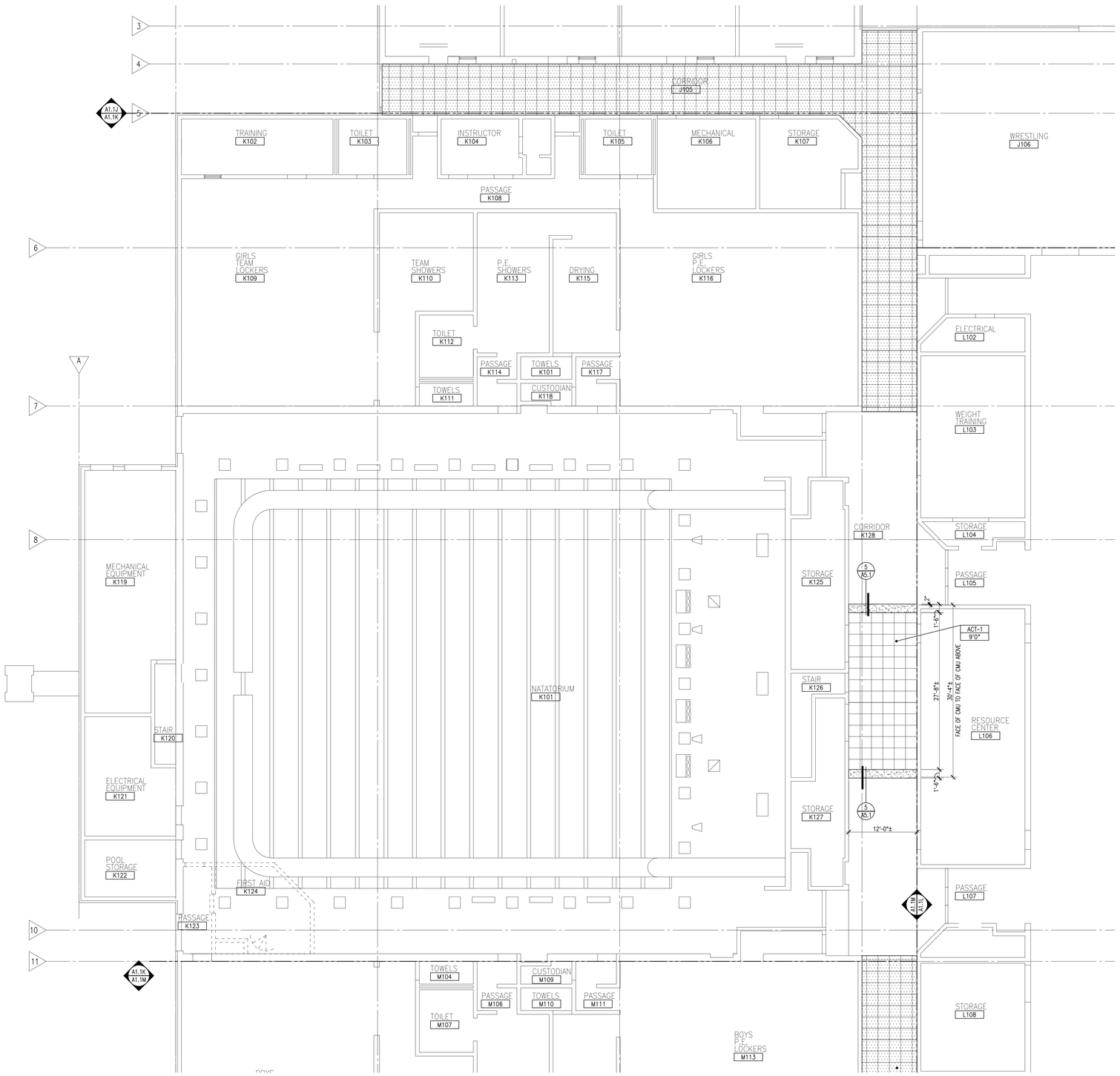
DATE:	ISSUED FOR:
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1J



FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4') 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT → CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'K'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

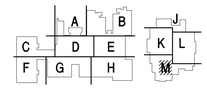
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'K'



N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

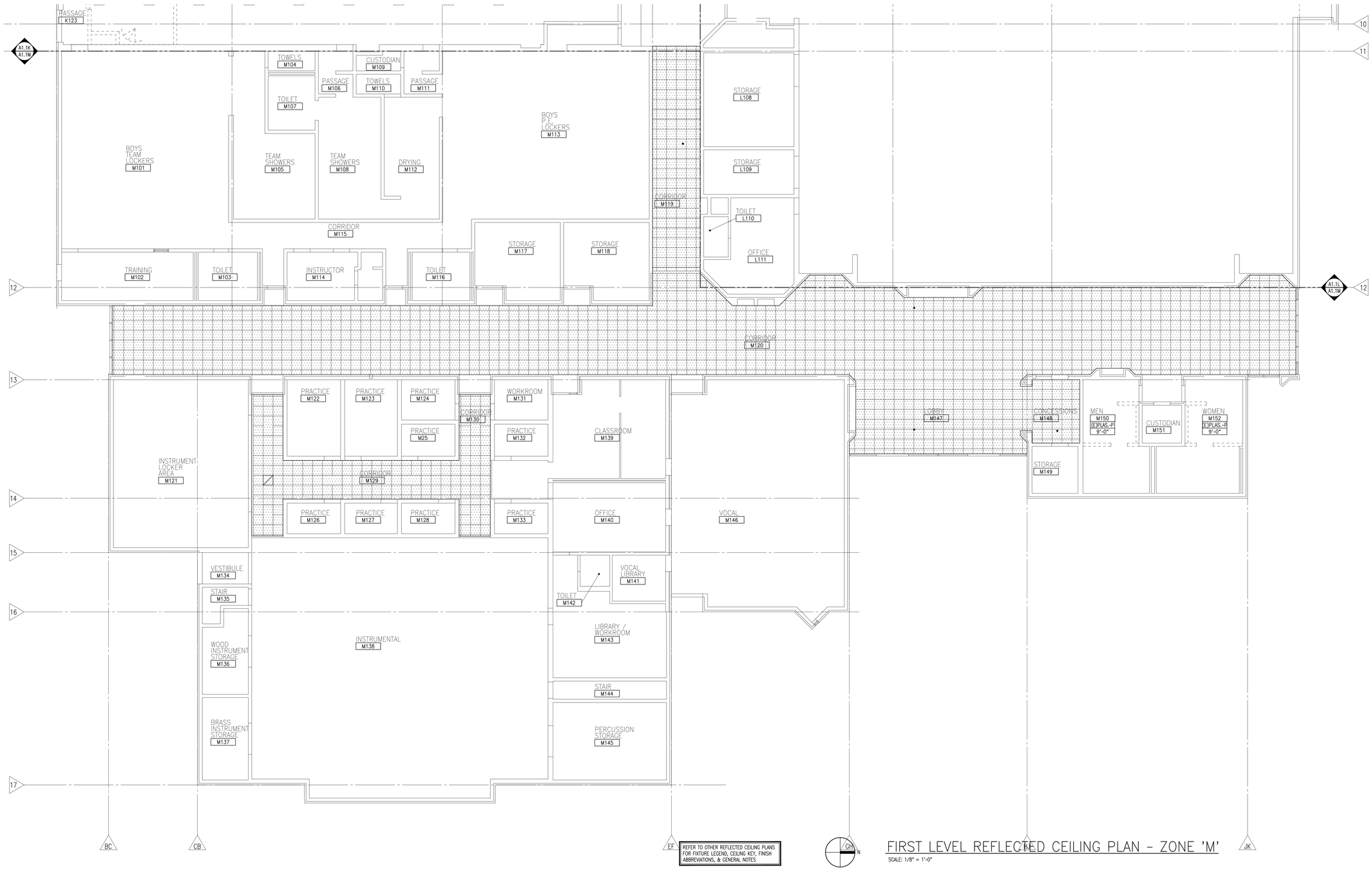
DATE:	ISSUED FOR:
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1K



REFER TO OTHER REFLECTED CEILING PLANS FOR FIXTURE LEGEND, CEILING KEY, FINISH ABBREVIATIONS, & GENERAL NOTES

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'M'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

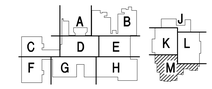
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

First Level Reflected Ceiling Plan - Zone 'M'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.1M

REFER TO OTHER REFLECTED CEILING PLANS FOR FIXTURE LEGEND, CEILING KEY, FINISH ABBREVIATIONS, & GENERAL NOTES

N

SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'B'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

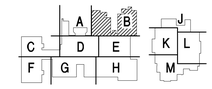
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'B'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

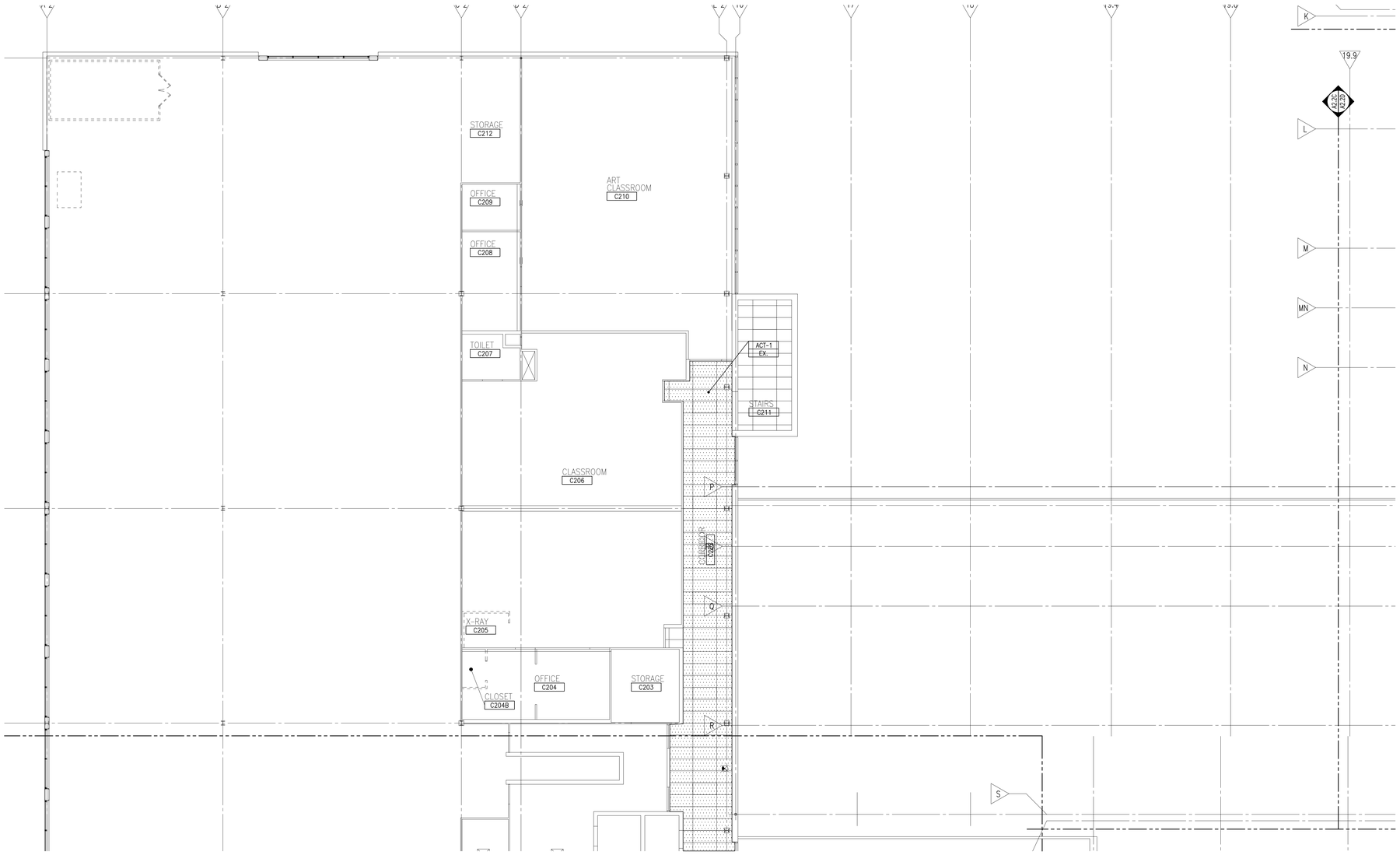
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.2B



N

SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'C'

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

FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4'/ 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

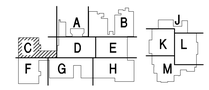
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'C'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

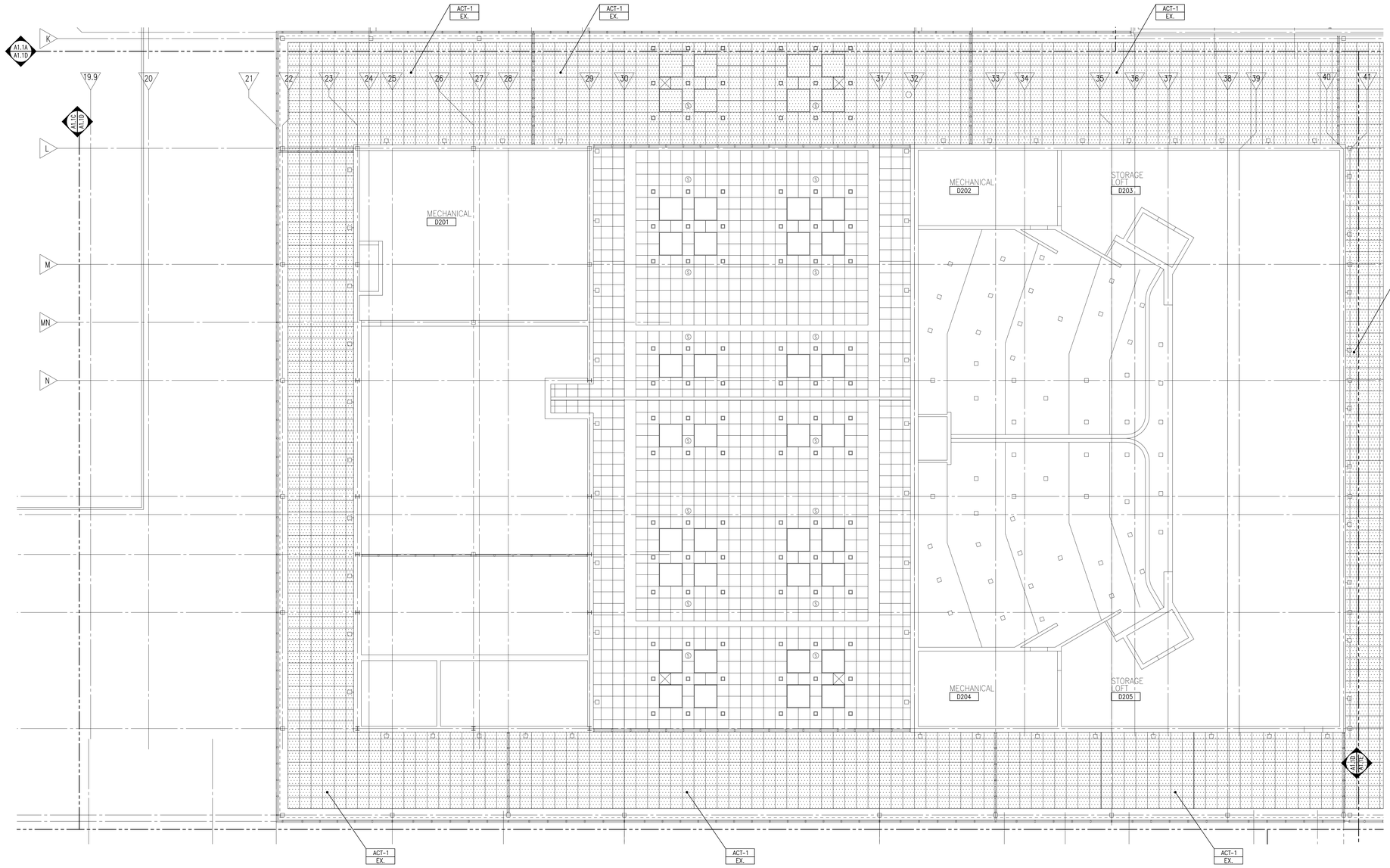
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.2C



N

SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'D'

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

FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4' / 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

ACT-1 EX.

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'D'

A B J
C D E K L
F G H M

N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

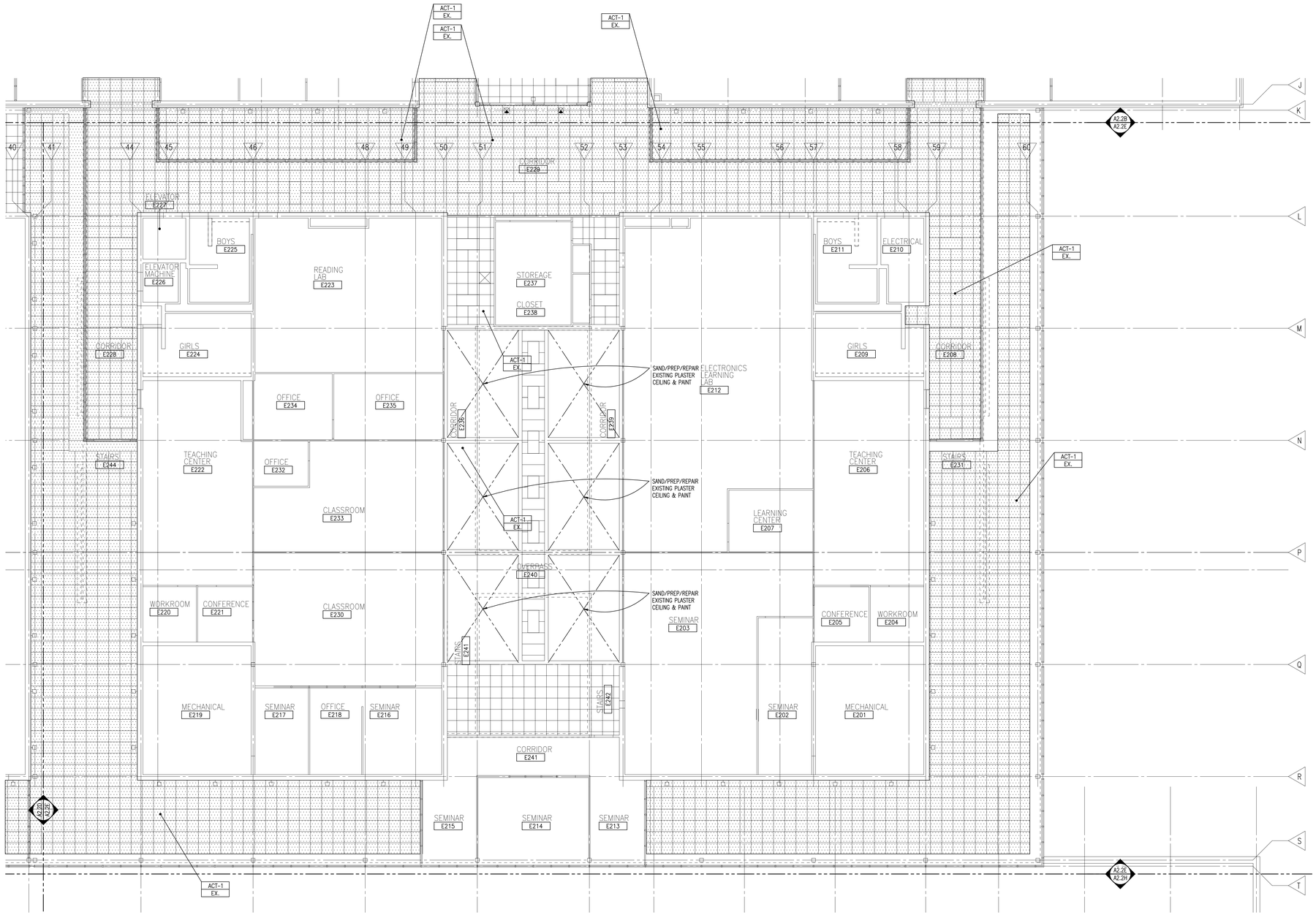
DATE:	ISSUED FOR:
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A2.2D



SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'E'

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

FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4' / 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'E'

A B C D E J K L F G H M

N Key Plan

ISSUE DATES

01-19-17	BIDS
01-13-17	95% REVIEW

DATE:	ISSUED FOR:
DRAWN	MNG
CHECKED	WPW
APPROVED	JJC

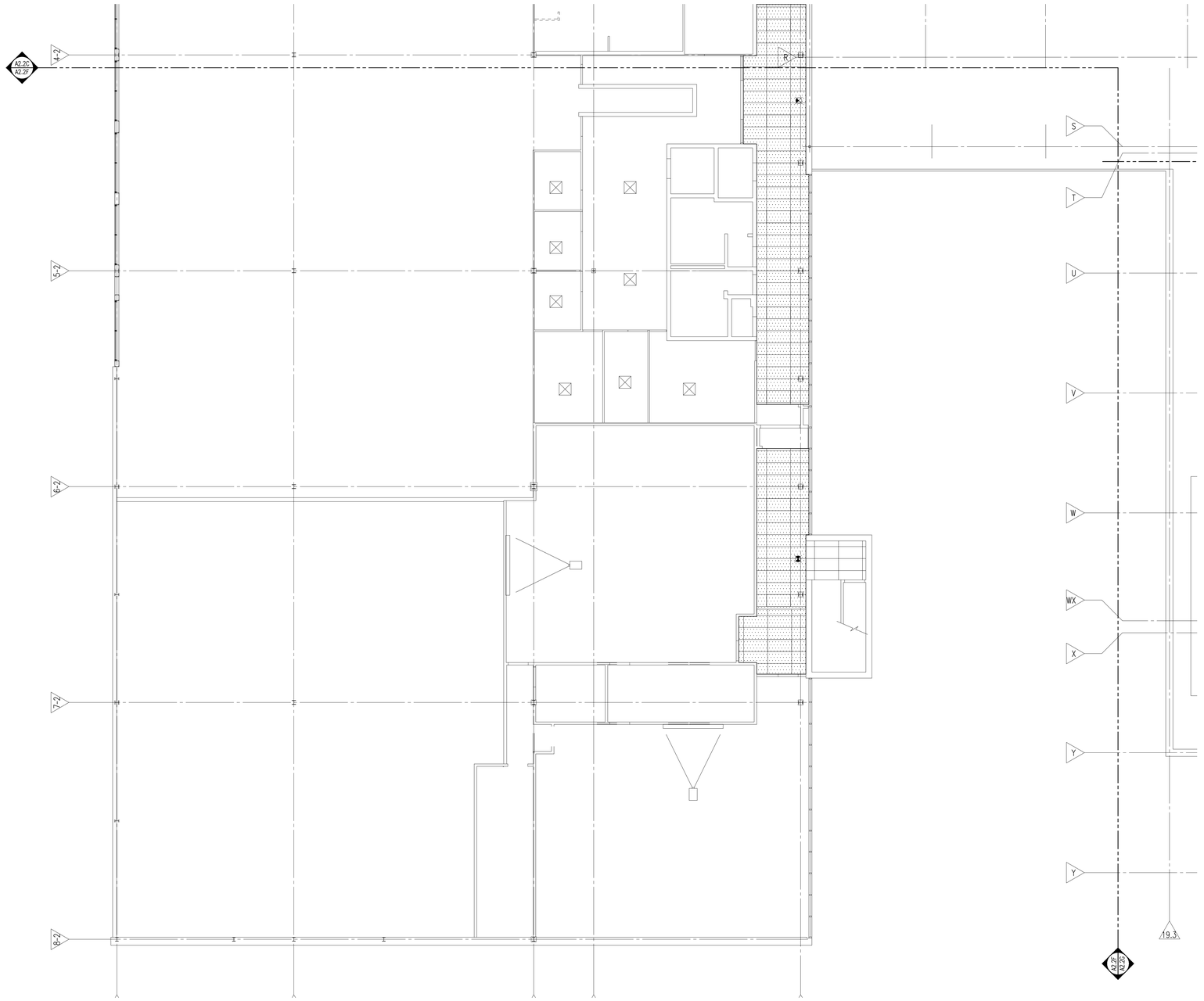
PROJECT NO.

13083E

DRAWING NO.

A2.2E

Drawing File: Q:\cad\20\13mpa\13083e\13083e_cd1\13083e_a2.2e.dwg
Date: 01.19.17 - 2:09pm



FIXTURE LEGEND

- RECESSED FLUORESCENT TROFFER (2'x4') 1'x4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE
- L.E.D. DOWNLIGHTS, CABLE MOUNTED TO TRACK SYSTEM (TRACK SUSPENDED @ _'-_" A.F.F.) (BOTTOM OF FIXTURES @ _'-_" A.F.F.)
- SURFACE MOUNTED L.E.D. TRACK LIGHTING
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
- EXTERIOR, WALL-MOUNTED L.E.D. FIXTURE (_'-_" A.F.F. TO CENTER)
- PENDANT-HUNG FLUORESCENT/L.E.D. FIXTURE (_'-_" A.F.F. TO BOTTOM)
- RECESSED DOWNLIGHT
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- CEILING MOUNTED CABINET UNIT HEATER
- RECESSED RADIANT CEILING PANEL
- EXHAUST GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- SPEAKER
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING KEY

- GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
- 24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
- 24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
- NEW LAY-IN CEILING PANELS (ACT-1) IN EXISTING SUSPENDED GRID SYSTEM. COORDINATE REPLACEMENT OF CEILING PANELS CONTAINING ELECTRICAL AND/OR LOW VOLTAGE DEVICES WITH ELECTRICIAN, TYP.

CEILING LEGEND

ROOM/CEILING TAGS

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

CEILING FINISH TAG

SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
EX	EXISTING
EX-P	EXISTING - TO BE PAINTED
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
GYP-P	GYPSUM BOARD - TO BE PAINTED
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UF	UNFINISHED

NOTES:

1. REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3. WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30'-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5. ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)

SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'F'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @ TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

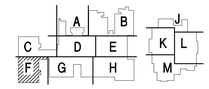
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

Second Level Reflected Ceiling Plan - Zone 'F'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

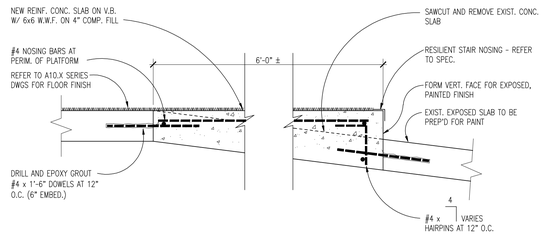
DRAWN	EAN
CHECKED	WPW
APPROVED	JJC

PROJECT NO.

13083E

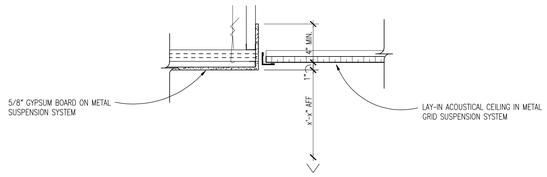
DRAWING NO.

A2.2F



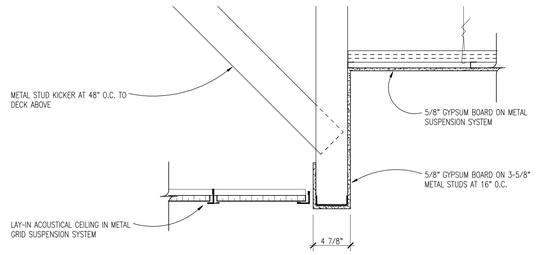
4 A1.1D — WHEELCHAIR PLATFORM SECTION

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



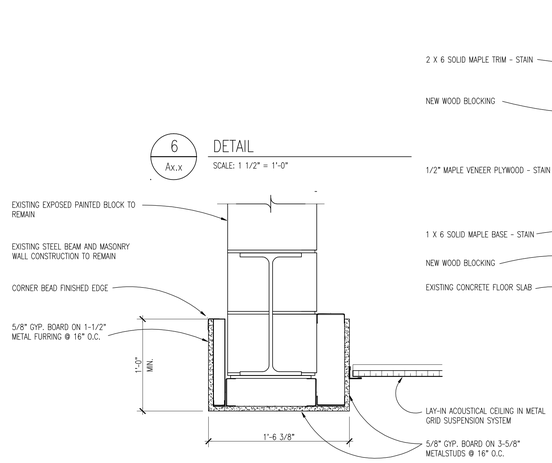
3 A2.1E — CEILING EDGE DETAIL

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



2 A2.1E — CEILING EDGE DETAIL

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

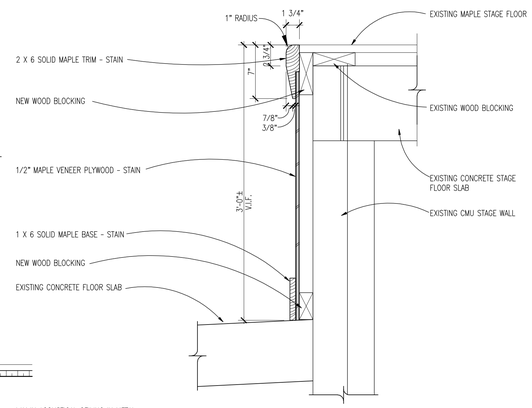


6 Ax.x — DETAIL

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

5 A2.1K — CEILING EDGE DETAIL

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



1 A1.1D — STAGE FRONT DETAIL

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

Canton High School Building Upgrades

Plymouth Canton Community Schools

DRAWING TITLE

Details

ISSUE DATES

DATE:	ISSUED FOR:
01-19-17	BIDS
01-13-17	95% REVIEW

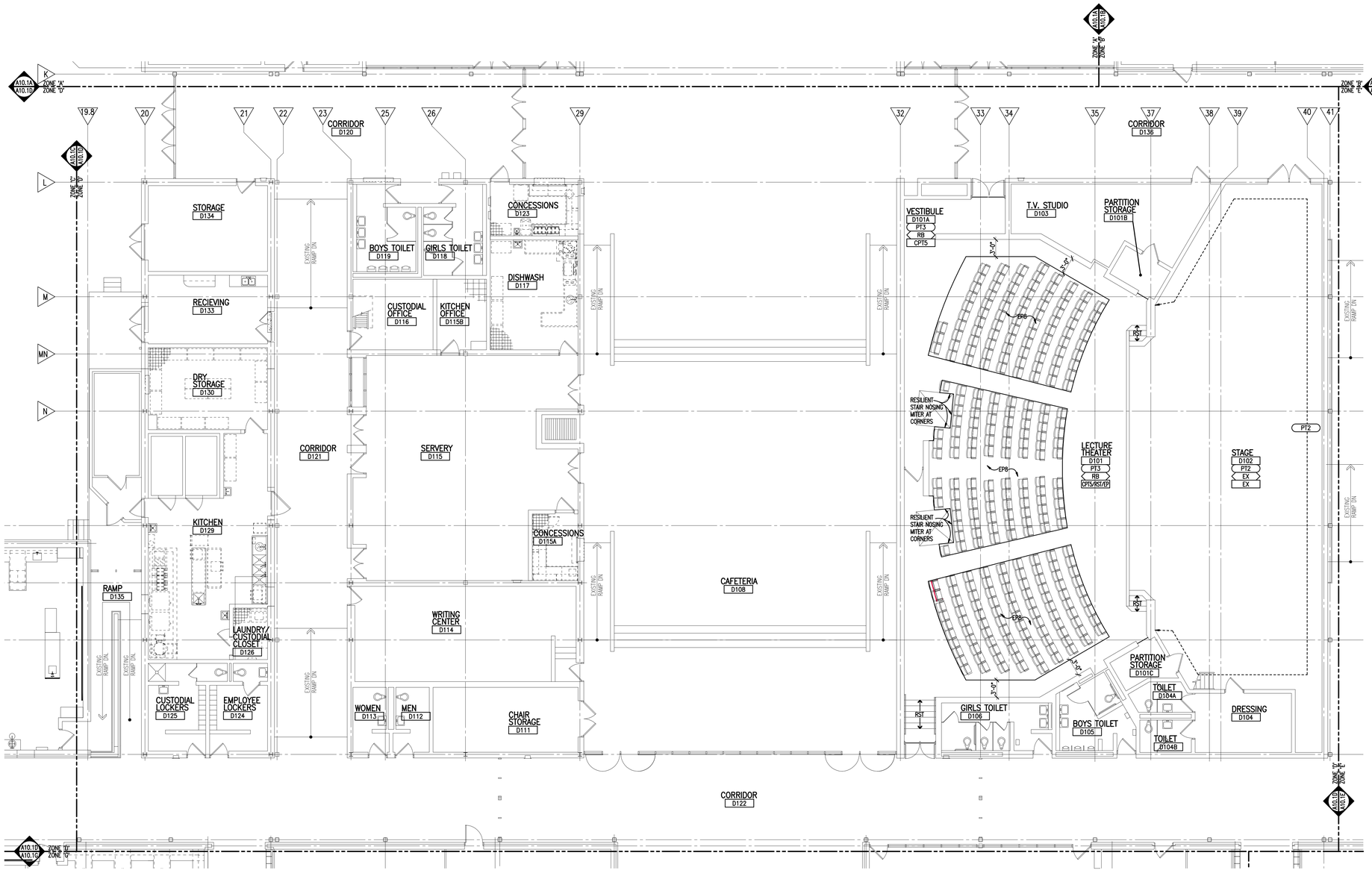
DRAWN	BC/WW
CHECKED	WW
APPROVED	JC

PROJECT NO.

13083E

DRAWING NO.

A5.1



FIRST LEVEL FINISH PLAN - ZONE 'D'

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

FINISH LEGEND

ROOM TAGS

ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (U.O.N.).

FINISH LEGEND

FINISH LEGEND IS GENERAL. REFER TO SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE DENOTED BY NUMBER FOLLOWING ABBREVIATION.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
PT ← WALL FINISH (SEE BELOW)
RB ← BASE (SEE BELOW)
CPT ← FLOOR FINISH (SEE BELOW)
PT-P_ / RB / CPT-P_ (1)
(1) DENOTES PATTERN DETAIL
REFER TO "SPECIFIC NOTES" BELOW
PL ← PLASTIC LAMINATE TYPE/COLOR (TAG APPLIES TO ALL CABINETS AND/OR COUNTERTOPS WITHIN THAT SPACE, U.O.N.)

WALL FINISH ABBREVIATIONS

CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
PT	PAINT

BASE FINISH ABBREVIATIONS

CT	CERAMIC TILE
EX	EXISTING (NO NEW FINISH)
NB	NO BASE, WALL FINISH EXTENDS TO FLOOR
RB	RESILIENT BASE

FLOOR FINISH ABBREVIATIONS

CPT	CARPET
CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
RST	RUBBER STAIR TREAD & RISER SYSTEM

GENERAL NOTES

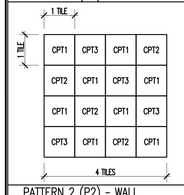
1. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
2. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
3. REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDSET BEDS AT CERAMIC TILE. SLOPE MUDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
4. PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC FLOOR TILE LOCATIONS, UNLESS OTHERWISE NOTED.
5. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
6. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC.) AND ELECTRICAL EQUIPMENT (PANELS, ETC.) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
7. REFER TO SPEC. SECTION 012300 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATES.
8. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
9. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILIAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
10. CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
11. WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.

SPECIFIC NOTES

1. PT6 SHALL BE APPLIED AS A WAINSCOT 8 COURSES OF CMU HIGH.
2. PT7 SHALL BE ACCENT BANDS 2 COURSES OF CMU HIGH. FIRST ACCENT BAND SHALL BEGIN AT 6TH CMU COURSE AFF. 2ND ACCENT BAND SHALL BEGIN AT 10TH CMU COURSE AFF.
3. .....

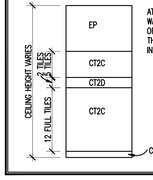
PATTERN DETAILS (FLOORS/WALLS)

PATTERN 1 (P1) - FLOOR



PATTERN 1 SHALL BE A 4 TILE X 4 TILE MODULE CONSISTING OF CPT1, CPT2, AND CPT3.

PATTERN 2 (P2) - WALL



AT LOCATIONS WHERE CT2 IS USED AS WALL TILE, PATTERN SHALL CONSIST OF CT2C AS THE FIELD AND CT2D AS THE ACCENT BORDER. TILE SHALL BE INSTALLED RUNNING BOND.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

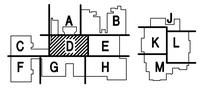
PROJECT TITLE

Canton High School Building Upgrades

Plymouth Canton Community Schools

DRAWING TITLE

First Level Finish Plan - Zone 'D'



N Key Plan

ISSUE DATES

DATE:	ISSUED FOR:
1-19-17	BIDS

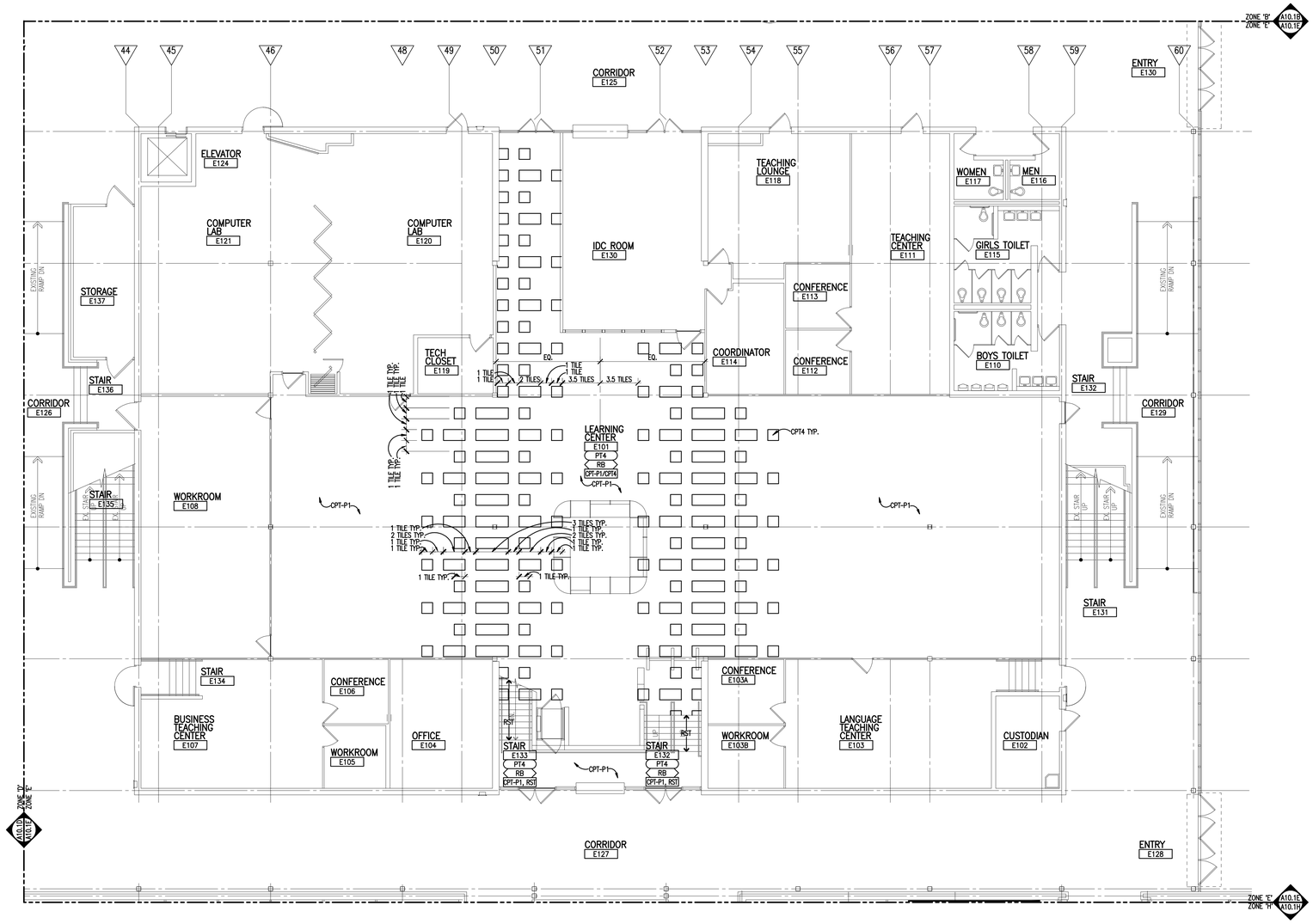
DRAWN	lmc
CHECKED	wpw
APPROVED	JJC

PROJECT NO.

13083E

DRAWING NO.

A10.1D



FIRST LEVEL FINISH PLAN - ZONE 'E'

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

FINISH LEGEND

ROOM TAGS

ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (U.O.N.).

FINISH LEGEND

FINISH LEGEND IS GENERAL. REFER TO SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE DENOTED BY NUMBER FOLLOWING ABBREVIATION.

CLASSROOM ← ROOM NAME
101 ← ROOM NUMBER
PT ← WALL FINISH (SEE BELOW) — PT-P_
RB ← BASE (SEE BELOW) — RB
CPT ← FLOOR FINISH (SEE BELOW) — CPT-P_ (1)
DENOTES PATTERN DETAIL
REFER TO "SPECIFIC NOTES" BELOW
PL ← PLASTIC LAMINATE TYPE/COLOR (TAG APPLIES TO ALL CABINETS AND/OR COUNTERTOPS WITHIN THAT SPACE, U.O.N.)

WALL FINISH ABBREVIATIONS

CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
PT	PAINT

BASE FINISH ABBREVIATIONS

CT	CERAMIC TILE
EX	EXISTING (NO NEW FINISH)
NB	NO BASE, WALL FINISH EXTENDS TO FLOOR
RB	RESILIENT BASE

FLOOR FINISH ABBREVIATIONS

CPT	CARPET
CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
RST	RUBBER STAIR TREAD & RISER SYSTEM

GENERAL NOTES

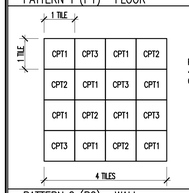
1. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
2. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
3. REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDSET BEDS AT CERAMIC TILE. SLOPE MUDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
4. PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC FLOOR TILE LOCATIONS, UNLESS OTHERWISE NOTED.
5. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
6. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC.) AND ELECTRICAL EQUIPMENT (PANELS, ETC.) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
7. REFER TO SPEC. SECTION 012300 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATES.
8. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
9. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
10. CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
11. WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.

SPECIFIC NOTES

1. PT6 SHALL BE APPLIED AS A WAINSCOT 8 COURSES OF CMU HIGH.
2. PT7 SHALL BE ACCENT BANDS 2 COURSES OF CMU HIGH. FIRST ACCENT BAND SHALL BEGIN AT 6TH CMU COURSE AFF. 2ND ACCENT BAND SHALL BEGIN AT 10TH CMU COURSE AFF.
3. .....

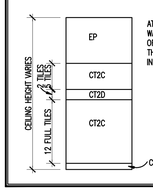
PATTERN DETAILS (FLOORS/WALLS)

PATTERN 1 (P1) - FLOOR



PATTERN 1 SHALL BE A 4 TILE X 4 TILE MODULE CONSISTING OF CPT1, CPT2, AND CPT3.

PATTERN 2 (P2) - WALL



AT LOCATIONS WHERE CT2 IS USED AS WALL TILE, PATTERN SHALL CONSIST OF CT2C AS THE FIELD AND CT2D AS THE ACCENT BORDER. TILE SHALL BE INSTALLED RUNNING BOND.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

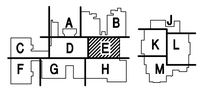
PROJECT TITLE

Canton High School Building Upgrades

Plymouth Canton Community Schools

DRAWING TITLE

First Level Finish Plan - Zone 'E'



N Key Plan

ISSUE DATES

1-19-17	BIDS

DATE:	ISSUED FOR:
DRAWN	LMC
CHECKED	WPW
APPROVED	...

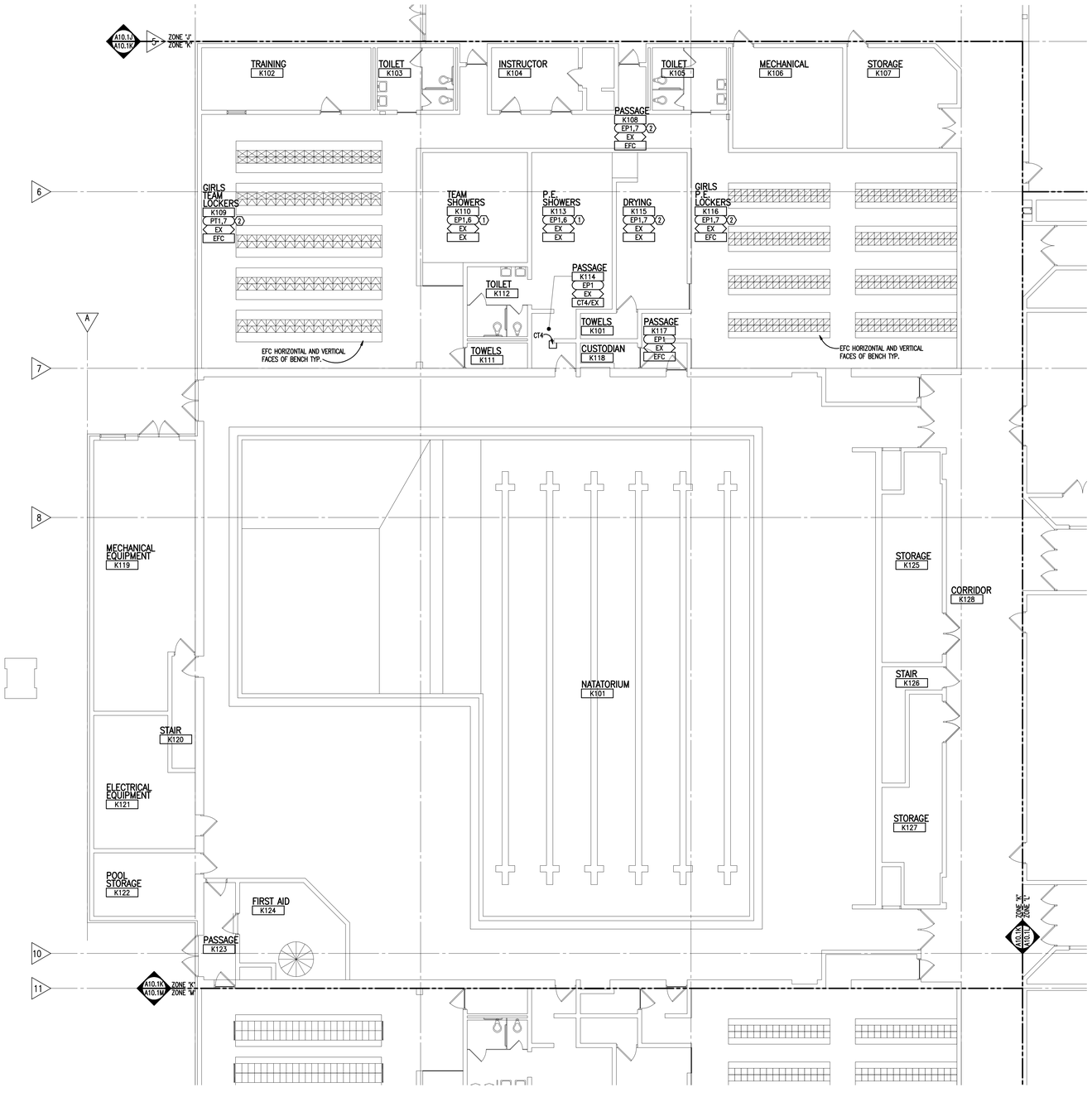
PROJECT NO.

13083E

DRAWING NO.

A10.1E

Drawing File: Q:\cross\2013\tmparch\13083e\13083eInteriors\13083e_a10.1e.dwg
Jan 19, 2017 - 12:38pm



FIRST LEVEL FINISH PLAN - ZONE 'K'

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

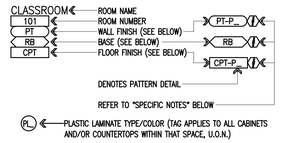
FINISH LEGEND

ROOM TAGS

ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (U.O.N.).

FINISH LEGEND

FINISH LEGEND IS GENERAL. REFER TO SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE DENOTED BY NUMBER FOLLOWING ABBREVIATION.



WALL FINISH ABBREVIATIONS

CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
PT	PAINT

BASE FINISH ABBREVIATIONS

CT	CERAMIC TILE
EX	EXISTING (NO NEW FINISH)
NB	NO BASE, WALL FINISH EXTENDS TO FLOOR
RB	RESILIENT BASE

FLOOR FINISH ABBREVIATIONS

CPT	CARPET
CT	CERAMIC TILE
EP	EPOXY PAINT
EX	EXISTING (NO NEW FINISH)
RST	RUBBER STAIR TREAD & RISER SYSTEM

GENERAL NOTES

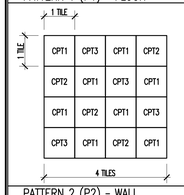
1. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
2. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
3. REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDSET BEDS AT CERAMIC TILE. SLOPE MUDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
4. PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC FLOOR TILE LOCATIONS, UNLESS OTHERWISE NOTED.
5. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
6. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC.) AND ELECTRICAL EQUIPMENT (PANELS, ETC.) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
7. REFER TO SPEC. SECTION 012300 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATES.
8. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
9. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
10. CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
11. WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.

SPECIFIC NOTES

1. PT6 SHALL BE APPLIED AS A WAINSCOT 8 COURSES OF CMU HIGH.
2. PT7 SHALL BE ACCENT BANDS 2 COURSES OF CMU HIGH. FIRST ACCENT BAND SHALL BEGIN AT 6TH CMU COURSE AFF. 2ND ACCENT BAND SHALL BEGIN AT 10TH CMU COURSE AFF.
3. .....

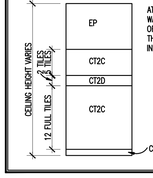
PATTERN DETAILS (FLOORS/WALLS)

PATTERN 1 (P1) - FLOOR



PATTERN 1 SHALL BE A 4 TILE X 4 TILE MODULE CONSISTING OF CPT1, CPT2, AND CPT3.

PATTERN 2 (P2) - WALL



AT LOCATIONS WHERE CT2 IS USED AS WALL TILE, PATTERN SHALL CONSIST OF CT2C AS THE FIELD AND CT2D AS THE ACCENT BORDER. TILE SHALL BE INSTALLED RUNNING BOND.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

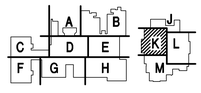
PROJECT TITLE

Canton High School Building Upgrades

Plymouth Canton Community Schools

DRAWING TITLE

First Level Finish Plan - Zone 'K'



N Key Plan

ISSUE DATES

1-19-17	BIDS

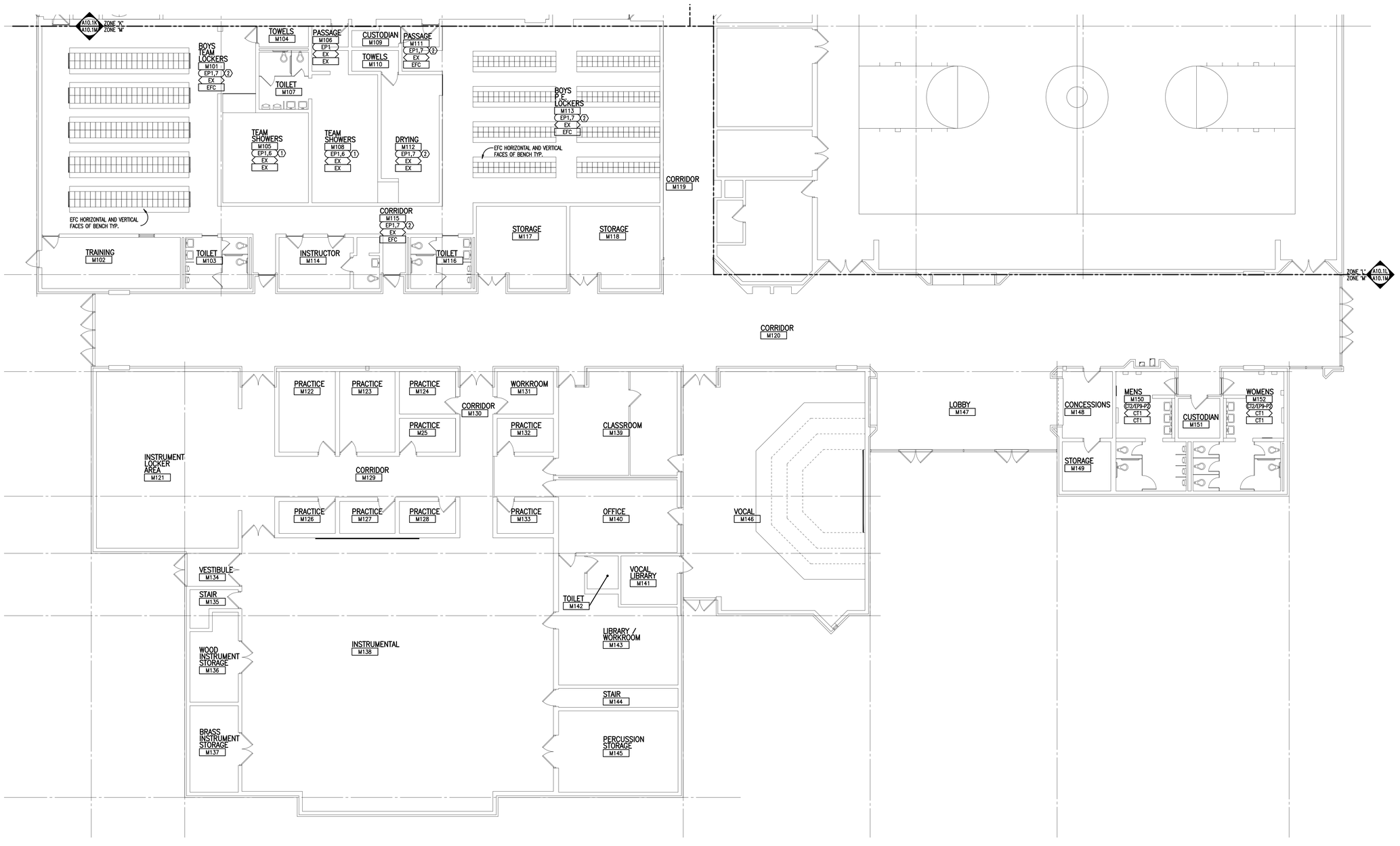
DATE:	ISSUED FOR:
DRAWN	lmc
CHECKED	wpw
APPROVED	...

PROJECT NO.

13083E

DRAWING NO.

A10.1K



REFER TO OTHER FINISH PLANS FOR FINISH LEGEND, GENERAL NOTES, SPECIFIC NOTES & PATTERN DETAILS.

N

FIRST LEVEL FINISH PLAN - ZONE 'M'

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

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS - MICHIGAN - 48302
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

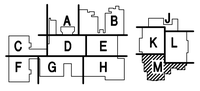
PROJECT TITLE

Canton High School Building Upgrades

Plymouth Canton Community Schools

DRAWING TITLE

First Level Finish Plan - Zone 'M'



Key Plan

ISSUE DATES

1-19-17	BIDS
DATE:	ISSUED FOR:

DRAWN	lmc
CHECKED	wpw
APPROVED	jjc

PROJECT NO.

13083E

DRAWING NO.

A10.1M

MECHANICAL ABBREVIATION LIST

ABBREVIATION	DESCRIPTION
A	COMPRESSED AIR
A(___#)	COMPRESSED AIR (SPECIFIC PSIG)
AAV	AUTOMATIC AIR VENT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AD	AREA DRAIN
AE	AIR EXTRACTOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AMP	AMPERE
APD	AIR PRESSURE DROP
AR	ARGON
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS
ASR	AUTOMATIC SPRINKLER RISER
AUX	AUXILIARY
AV	ACID VENT
AVTR	ACID VENT THROUGH ROOF
AW	ACID WASTE
BAS	BUILDING AUTOMATION SYSTEM
BCU	BLOWER COIL UNIT
BDD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BWV	BACKWATER VALVE
C	COMMON
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CB	CATCH BASIN
CC	COOLING COIL
CD	COLD DECK
CD	CONDENSATE DRAIN
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHW	CHILLED WATER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
CNDS	CONDENSATE
CNDS (___#)	CONDENSATE (SPECIFIC PSIG)
CO	CLEAN OUT
CO2	CARBON DIOXIDE
CONT	CONTINUATION OR CONTINUED
CONTR	CONTRACTOR
CONV	CONVECTOR
COP	COEFFICIENT OF PERFORMACE
CP	CIRCULATING PUMP
CRU	CONDENSATE RETURN UNIT
CSS	CLINICAL SERVICE SINK
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CW	DOMESTIC COLD WATER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D&T	DRIP AND TRAP
DA	DISCHARGE AIR
DAT	DISCHARGE AIR TEMPERATURE
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DFU	DRAINAGE FIXTURE UNITS
DIA	DIAMETER
DMPR	DAMPER
D/N	DAY/NIGHT
DN	DOWN
DNZ	DOWNSPOUT NOZZLE
DS	DUCT SILENCER
DT	DRAIN TILE
DTC	DRAIN TILE CONNECTION
DWH	DOMESTIC WATER HEATER
DWG	DRAWING
(E)	EXISTING
E	EXHAUST GRILLE OR REGISTER
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	EXPANSION COMPENSATOR
ECUH	ELECTRIC CABINET UNIT HEATER
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EES	EMERGENCY EYE WASH / SHOWER
EEW	EMERGENCY EYE WASH
EF	EXHAUST FAN
EFF	EFFICIENCY
EHC	ELECTRIC HEATING COIL
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
ERL	ENERGY RECOVERY LOOP
ERLR	ENERGY RECOVERY LOOP RETURN
ERLS	ENERGY RECOVERY LOOP SUPPLY
ERU	ENERGY RECOVERY UNIT
ESH	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FIRE PROTECTION
°F	DEGREES FAHRENHEIT
F&B	FACE AND BYPASS
F&T	FLOAT AND THERMOSTATIC
FA	FACE AREA
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FLA	FULL LOAD AMPS
FLR	FLOOR
FM	FLOW METER
FMS	FLOW MEASURING STATION
FPM	FEET PER MINUTE
FP	FIRE PUMP
FPTU	FAN POWERED (AIR) TERMINAL UNIT
FS	FLOOR SINK
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FT	FEET
FTR	FINNED TUBE RADIATION
FV	FACE VELOCITY
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GRH	GRAVITY RELIEF HOOD
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HYDROGEN
HB	HOSE BIBB
HC	HEATING COIL
HD	HOT DECK
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTANCE
HL	HIGH LIMIT
HOA	HAND/OFF/AUTO
HP	HEAT PUMP
HP	HORSEPOWER
HPCW	HIGH PRESSURE DOMESTIC COLD WATER
HPHW	HIGH PRESSURE DOMESTIC HOT WATER
HPHWR	HIGH PRESSURE DOMESTIC HOT WATER RETURN
HPL	HEAT PUMP LOOP
HPLR	HEAT PUMP LOOP RETURN
HPLS	HEAT PUMP LOOP SUPPLY
HR	HOUR
HTG	HEATING
HV	HEATING VENTILATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWH	HOT WATER HEATING
HWHR	HOT WATER HEATING RETURN
HWHS	HOT WATER HEATING SUPPLY
HW	DOMESTIC HOT WATER
HW(___)	DOMESTIC HOT WATER (SPECIFIC TEMP °F)
HWR	DOMESTIC HOT WATER RETURN
HX	HEAT EXCHANGER
HZ	HERTZ
IAQ	INDOOR AIR QUALITY
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IH	INTAKE HOOD
IN	INCHES
IR	INFRARED HEATER
IW	INDIRECT WASTE
JC	JANITOR'S CLOSET
JP	JOCKEY PUMP
KW	KILOWATT
KWH	KILOWATT-HOUR
LAT	LEAVING AIR TEMPERATURE
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LDB	LEAVING DRY BULB
LL	LOW LIMIT
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MEDICAL COMPRESSED AIR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MMBH	MILLION BRITISH THERMAL UNITS PER HOUR
M/S	MOTOR STARTER
MTD	MOUNTED
MTR	MOTOR
MV	MANUAL AIR VENT
MVAC	MEDICAL VACUUM
N	NITROGEN
N2O	NITROUS OXIDE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NCTC	NORMALLY CLOSED TIMED CLOSED
NCTO	NORMALLY CLOSED TIMED OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NOTC	NORMALLY OPEN TIMED CLOSED
NOTO	NORMALLY OPEN TIMED OPEN
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPCW	NON POTABLE COLD WATER
O	OXYGEN
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER/CENTER TO CENTER
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OL	OVERLOAD
ORC	OVERFLOW RAIN CONDUCTOR
ORD	OVERFLOW ROOF DRAIN
OS&Y	OUTSIDE SCREW AND YOKE
OV	OUTLET VELOCITY
OWS	OPERATOR WORKSTATION
PACU	PACKAGED AIR CONDITIONING UNIT
PBD	PARALLEL BLADE DAMPER
PC	PUMPED CONDENSATE
PCW	PROCESS COOLING WATER
PCWR	PROCESS COOLING WATER RETURN
PCWS	PROCESS COOLING WATER SUPPLY
PD	PRESSURE DROP (FEET OF WATER)
PH	PERIMETER HEAT
PHR	PERIMETER HEAT RETURN
PHS	PERIMETER HEAT SUPPLY
PNL	PANEL
PPM	PARTS PER MILLION
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSAN	PUMPED SANITARY
PST	PUMPED STORM
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAUGE
PW	PURIFIED WATER
PWR	PURIFIED WATER RETURN
PWS	PURIFIED WATER SUPPLY
(R)	RELOCATED
R	RETURN GRILLE OR REGISTER
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RC	RAIN CONDUCTOR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REQD	REQUIRED
REF	ROOF EXHAUST FAN
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RLFA	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
S	SUPPLY AIR DIFFUSER OR GRILLE
SA	SOUND ATTENUATOR
SA	SUPPLY AIR
SAN	SANITARY WASTE
SAT	SUPPLY AIR TEMPERATURE
SECT	SECTION
SF	SUPPLY FAN
SH	SHOWER
SK	SINK
SMR	SNOW MELT RETURN
SMS	SNOW MELT SUPPLY
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SQFT	SQUARE FOOT/SQUARE FEET
S/S	START/STOP
SS	SERVICE SINK
ST	STORM
STD	STANDARD
STK	STACK
STM	STEAM
STM(___#)	STEAM (SPECIFIC PSIG)
S/W	SUMMER/WINTER
SW	SWITCH
T	TRANSFER GRILLE
TC	TEMPERATURE CONTROL
TC	TEMPERING COIL
TCP	TEMPERATURE CONTROL PANEL
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TEMP	TEMPORARY
TH	TERMINAL HEATING
THA	TOTAL HEAT ABSORBED
THR	TERMINAL HEATING RETURN
THR	TOTAL HEAT REJECTED
THS	TERMINAL HEATING SUPPLY
TSP	TOTAL STATIC PRESSURE
TU	(AIR) TERMINAL UNIT
TV	TURNING VANES
TYP	TYPICAL
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UV	UNIT VENTILATOR
V	VALVE
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VD	VOLUME DAMPER (MANUALLY ADJUSTABLE)
VOL	VOLUME
VFC	VARIABLE FREQUENCY CONTROLLER
VTR	VENT THROUGH ROOF
VTU	VENTURI TERMINAL UNIT
VUV	VERTICAL UNIT VENTILATOR
W	WASTE
W&V	WASTE AND VENT
WB	WET BULB
WC	WATER CLOSET
WC	WATER COLUMN
WG	WATER GAUGE
WH	WALL HYDRANT
WPD	WATER PRESSURE DROP
WT	WEIGHT
XFMR	TRANSFORMER

TEMPERATURE CONTROL - PARTIAL SYMBOLS LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CO2	CARBON DIOXIDE SENSOR	OS	OCCUPANCY SENSOR
CO	CARBON MONOXIDE SENSOR	PT	PRESSURE TRANSMITTER
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	SP	STATIC PRESSURE SENSOR OR PROBE
FM	FLOW METER		VALVE – 2 WAY CONTROL VALVE
	GUARD FOR STAT OR SENSOR		VALVE – 3 WAY CONTROL VALVE
H	HUMIDISTAT OR HUMIDITY SENSOR (AS DEFINED ON TC DRAWINGS)	T	THERMOSTAT OR TEMPERATURE SENSOR (AS DEFINED ON TC DRAWINGS)

NOTE: LIST OF ADDITIONAL SYMBOLS & ABBREVIATIONS ASSOCIATED WITH TEMPERATURE CONTROLS ARE IDENTIFIED ON TC DRAWINGS.

MECHANICAL SYMBOL LIST

PIPING SYMBOLS

SYMBOL	DESCRIPTION
AV	AIR VENT – AUTOMATIC
MV	AIR VENT – MANUAL
BFP	BACKFLOW PREVENTER
	CATCH BASIN
	CIRCULATING PUMP
CO	CLEAN OUT – IN FLOOR
CO	CLEAN OUT – FLANGE
	DIRECTION OF FLOW
	DIRECTION OF PITCH – DOWN
	FINNED TUBE RADIATION
	FIRE PROTECTION – SIAMESE CONNECTION – FREE STANDING
	FIRE PROTECTION – SIAMESE CONNECTION – WALL MOUNTED
	FIRE PROTECTION – SPRINKLER HEAD, CONCEALED
	FIRE PROTECTION – SPRINKLER HEAD, PENDANT
	FIRE PROTECTION – SPRINKLER HEAD, UPRIGHT
	FIRE PROTECTION – SPRINKLER HEAD, SIDEWALL
	FLOOR DRAIN
	FLOOR DRAIN – ELEVATION
	FLOOR DRAIN – FUNNEL
	FLOOR DRAIN – FUNNEL, ELEVATION
	FLOW MEASURING DEVICE (FOR TEST AND BALANCING)
FS	FLOW SWITCH
FM	FLOW METER
HB	HOSE BIBB
MH	MANHOLE
	OPEN SITE DRAIN
	PIPE – ANCHOR
	PIPE – CAP OR PLUG
	PIPE – ELBOW DOWN
	PIPE – ELBOW UP
	PIPE – EXPANSION JOINT OR COMPENSATOR
	PIPE – FLANGE
	PIPE – HOSE AND BRAID FLEXIBLE CONNECTION
	PIPE – RUBBER FLEXIBLE CONNECTION
	PIPE – GUIDE
	PIPE – TEE DOWN
	PIPE – TEE UP
	PIPE – UNION
P/T	PRESSURE AND TEMPERATURE TEST PLUG
	PRESSURE GAUGE AND COCK
	REDUCER – CONCENTRIC
	REDUCER – ECCENTRIC
	ROOF/OVERFLOW DRAIN
	STEAM TRAP – FLOAT AND THERMOSTATIC
	STEAM TRAP – BUCKET
	STRAINER
	STRAINER WITH VALVE AND BLOW-OFF
	THERMOMETER
	TRAP
	VALVE – ANGLE
	VALVE – BALL
	VALVE – BUTTERFLY
0.5	VALVE – BALANCE (i.e. BALANCE VALVE TO 0.5 GPM)
0.5	VALVE – COMBINATION BALANCE & FLOW MEASURING (i.e. BALANCE VALVE TO 0.5 GPM)
	VALVE – CHECK
SV	VALVE – SPRING CHECK
	VALVE – GAS (MANUAL)
	VALVE – GLOBE
	VALVE – ISOLATION
	VALVE – NEEDLE
	VALVE – OS&Y
	VALVE – PLUG
	VALVE – PRESSURE REGULATING
	VALVE – PRESSURE REDUCING
	VALVE – PRESSURE RELIEF
	VALVE – PRESSURE & TEMPERATURE RELIEF
VTR	VENT THROUGH ROOF
WH	WALL HYDRANT

DOUBLE LINE PIPING SYMBOLS

SYMBOL	DESCRIPTION
	FLANGE
	FLEX CONNECTION
	STRAINER – BASKET
	STRAINER – Y TYPE
	VALVE – 2 WAY CONTROL
	VALVE – 3 WAY CONTROL
	VALVE – BUTTERFLY
	VALVE – CHECK
	VALVE – DETECTOR CHECK
	VALVE – OS&Y HORIZONTAL STEM
	VALVE – OS&Y VERTICAL STEM

DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
TU-101	AIR TERMINAL UNIT
TU-101	AIR TERMINAL UNIT WITH HEATING COIL
VTU-101	VENTURI AIR TERMINAL UNIT
VTU-101	VENTURI AIR TERMINAL UNIT WITH HEATING COIL
	DAMPER – HORIZONTAL FIRE (EXISTING, NEW)
	DAMPER – HORIZONTAL FIRE / SMOKE (EXISTING, NEW)
	DAMPER – SMOKE (EXISTING, NEW)
	DAMPER – VERTICAL FIRE (EXISTING, NEW)
	DAMPER – VERTICAL FIRE / SMOKE (EXISTING, NEW)
BDD	DAMPER – BACK DRAFT
M	DAMPER – MOTORIZED
	DAMPER – VOLUME (MANUALLY ADJUSTABLE)
	DIFFUSER – BLANK OFF
	DIFFUSER – LINEAR SLOT
	DIFFUSER – SQUARE OR RECTANGULAR
	DUCT CROSS SECTION – SUPPLY
	DUCT CROSS SECTION – RETURN OR EXHAUST
	DUCT CROSS SECTION – EXHAUST
	DUCT – FLEXIBLE CONNECTION
	DUCT – FLEXIBLE DUCT
	DUCT TAKE-OFF – ROUND CONICAL
	DUCT TAKE-OFF – RECTANGULAR WITH SHOE TAP
	ELBOW – RECTANGULAR WITH TURNING VANES
	ELBOW – RECTANGULAR/ ROUND SMOOTH RADIUS
	ELBOW DOWN – RECTANGULAR
	ELBOW DOWN – ROUND
	ELBOW UP – RECTANGULAR
	ELBOW UP – ROUND
	FAN – AXIAL
	FAN – CENTRIFUGAL (ELEVATION)
	HEATING COIL
D	INCLINED DROP IN DIRECTION OF AIRFLOW
R	INCLINED RISE IN DIRECTION OF AIRFLOW
	INTAKE OR RELIEF HOOD
	REGISTER – RETURN OR EXHAUST
	REGISTER – RETURN WITH BOOT
	REGISTER – TRANSFER GRILLE
	ROOF EXHAUST FAN
	TRANSITION – CONCENTRIC
	TRANSITION – ECCENTRIC
	UNIT HEATER – HORIZONTAL THROW
	UNIT HEATER – VERTICAL THROW

DOUBLE LINE DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	DUCT TAKE-OFF – RECTANGULAR WITH SHOE TAP
	DUCT TAKE-OFF – ROUND CONICAL
	ELBOW – RECTANGULAR WITH TURNING VANES
	ELBOW – RECTANGULAR SHORT RADIUS WITH SPLITTER VANES
	ELBOW – ROUND
	ELBOW – RECTANGULAR SMOOTH RADIUS
	ELBOW DOWN – RECTANGULAR
	ELBOW DOWN – ROUND
	ELBOW UP – RECTANGULAR
	ELBOW UP – ROUND
	HEATING COIL
D	INCLINED DROP IN DIRECTION OF AIRFLOW
R	INCLINED RISE IN DIRECTION OF AIRFLOW
	TRANSITION – CONCENTRIC
	TRANSITION – ECCENTRIC

MECHANICAL DRAWING INDEX

SHEET NO.	SHEET TITLE
M0.1	MECHANICAL STANDARDS AND DRAWING INDEX
ME1.1	MECHANICAL AND ELECTRICAL ROOF PLAN – PHASE 2
ME1.2	MECHANICAL AND ELECTRICAL ROOF PLAN – PHASE 3
M4.1E	FIRST FLOOR SHEET METAL PLAN – ZONE E
M5.1	ENLARGED MECHANICAL ROOM PLANS
M6.1	MECHANICAL DETAILS
M7.1	MECHANICAL SCHEDULES
M7.2	MECHANICAL SCHEDULES
M7.3	MECHANICAL SCHEDULES
M8.1	TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES
M8.2	TEMPERATURE CONTROLS

STANDARD METHODS OF NOTATION

S-1
10ø
350-4
SUPPLY DIFFUSER WITH SCHEDULE TAG "1",
10" DIAMETER NECK SIZE
350 CFM TYPICAL FOR 4

R-1
22x22
640-2
RETURN REGISTER WITH SCHEDULE TAG "1",
22"x 22" NECK SIZE
640 CFM TYPICAL FOR 2
EXHAUST REGISTER E DESIGNATION SIMILAR.

TU-101 — AIR TERMINAL UNIT WITH HEATING COIL NO. 101 WITH SERVICE CLEARANCE SHOWN

VTU-101 — VENTURI AIR TERMINAL WITH HEATING COIL NO. 101 WITH SERVICE CLEARANCE SHOWN

8 — PIPE DIAMETER NOTATION ALL SIZES IN INCHES

8ø — 22x10 / 18x14ø — DUCT SIZE NOTATION ALL SIZES IN INCHES; OVAL DUCT; RECTANGULAR DUCT

1 — CONSTRUCTION NOTE NUMBER

EF-1 — EQUIPMENT DESIGNATION, (i.e. EXHAUST FAN NUMBER 1)

HW-1 — PIPING RISER DESIGNATION (i.e. HOT WATER RISER NUMBER 1)

NEW SYSTEM COMPONENT
EXISTING SYSTEM COMPONENT TO REMAIN
POINT OF NEW CONNECTION SYMBOL

SECTION OR PLAN NUMBER
M5.1 — SHEET WHERE SECTION IS DRAWN

AREA OF ENLARGEMENT
PLAN NUMBER
1 / M5.1 — SHEET WHERE ENLARGED PLAN IS DRAWN

SECTION OR PLAN NUMBER
1 / M5.1

SECTION OR ENLARGED PLAN

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

SHEET WHERE SECTION IS CUT OR ENLARGED PLAN IS REFERENCED

SHEET M1.0 / SHEET M1.1 — MATCH LINE

HEAVY LINE WEIGHT INDICATES NEW WORK

LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT OR REFERENCED INFORMATION

GRAY LINE INDICATES BACKGROUND INFORMATION

DASHED LINES INDICATE PIPING ROUTED BELOW SLAB OR GRADE

HATCH MARKS INDICATE EQUIPMENT OR MATERIALS TO BE DISCONNECTED AND REMOVED.

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

MECHANICAL STANDARDS AND DRAWING INDEX

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN ZAV
CHECKED GRN
APPROVED RNR

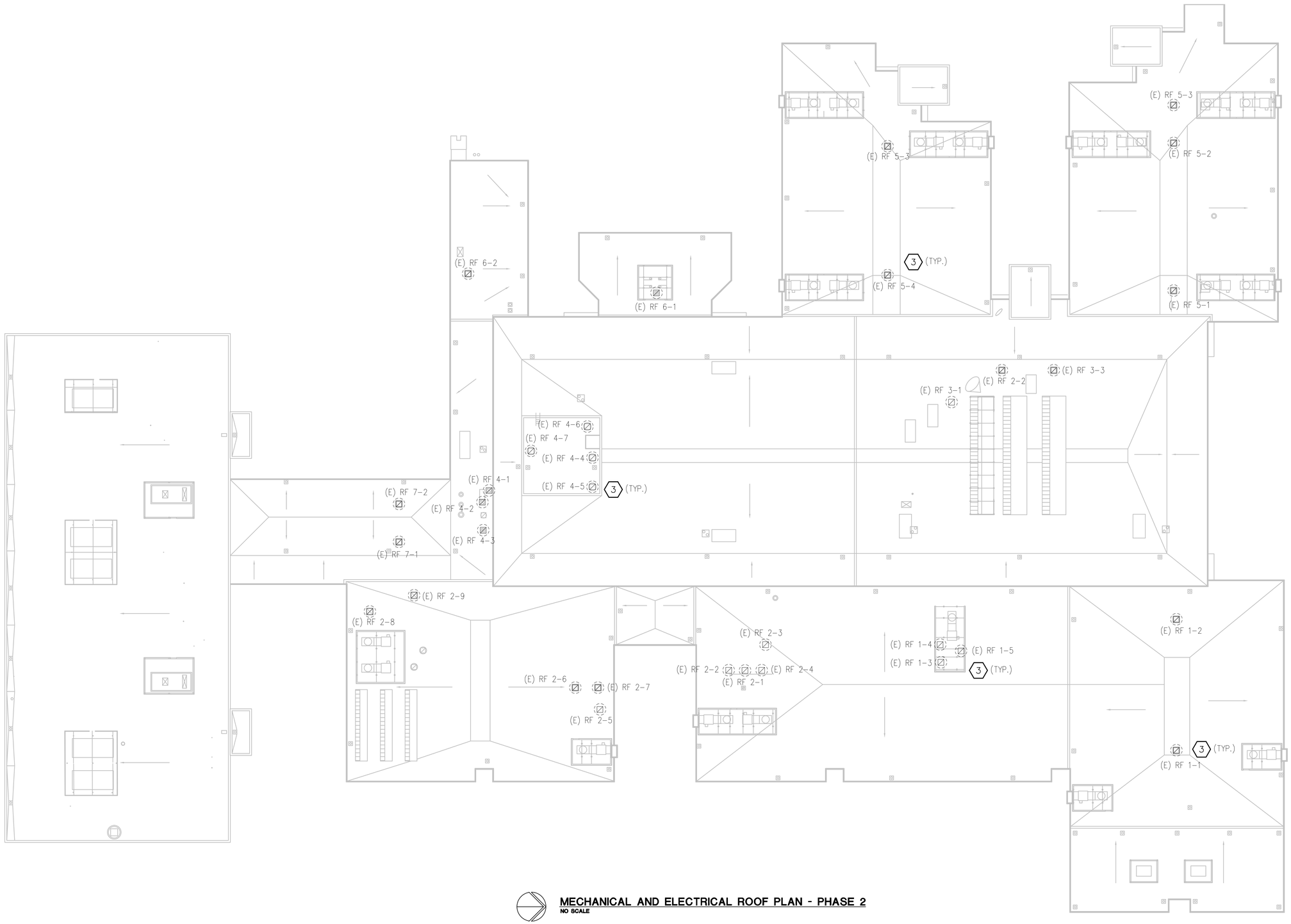
PROJECT NO.

13083E

DRAWING NO.

M0.1

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



MECHANICAL AND ELECTRICAL ROOF PLAN - PHASE 2
NO SCALE

NOTE:
REFER TO SHEET M5.1 FOR CONSTRUCTION NOTES

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

MECHANICAL AND ELECTRICAL ROOF PLAN - PHASE 2

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	ZAV
CHECKED	GRN
APPROVED	RNR

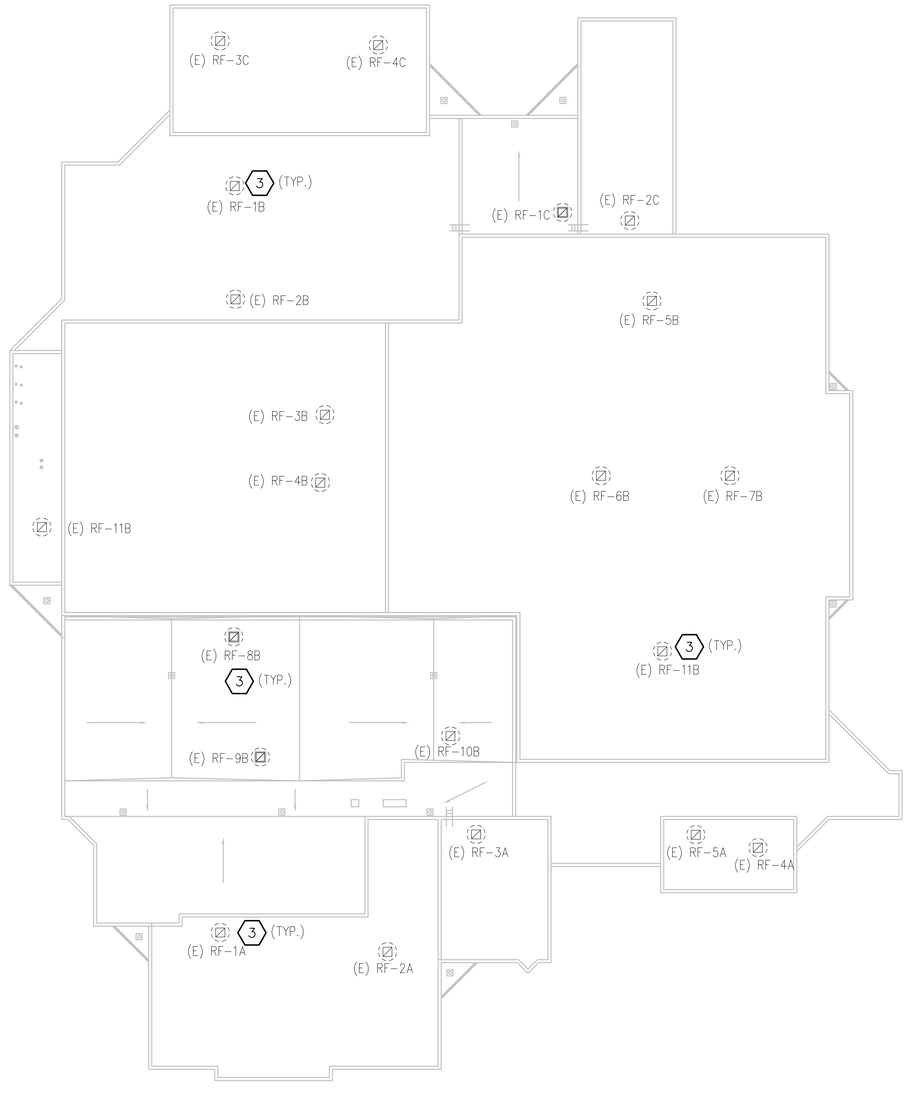
PROJECT NO.

13083E

DRAWING NO.

ME1.1

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



MECHANICAL AND ELECTRICAL ROOF PLAN - PHASE 3
NO SCALE

NOTE:
REFER TO SHEET M5.1 FOR CONSTRUCTION NOTES

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

MECHANICAL AND ELECTRICAL ROOF PLAN - PHASE 3

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN .
CHECKED .
APPROVED .

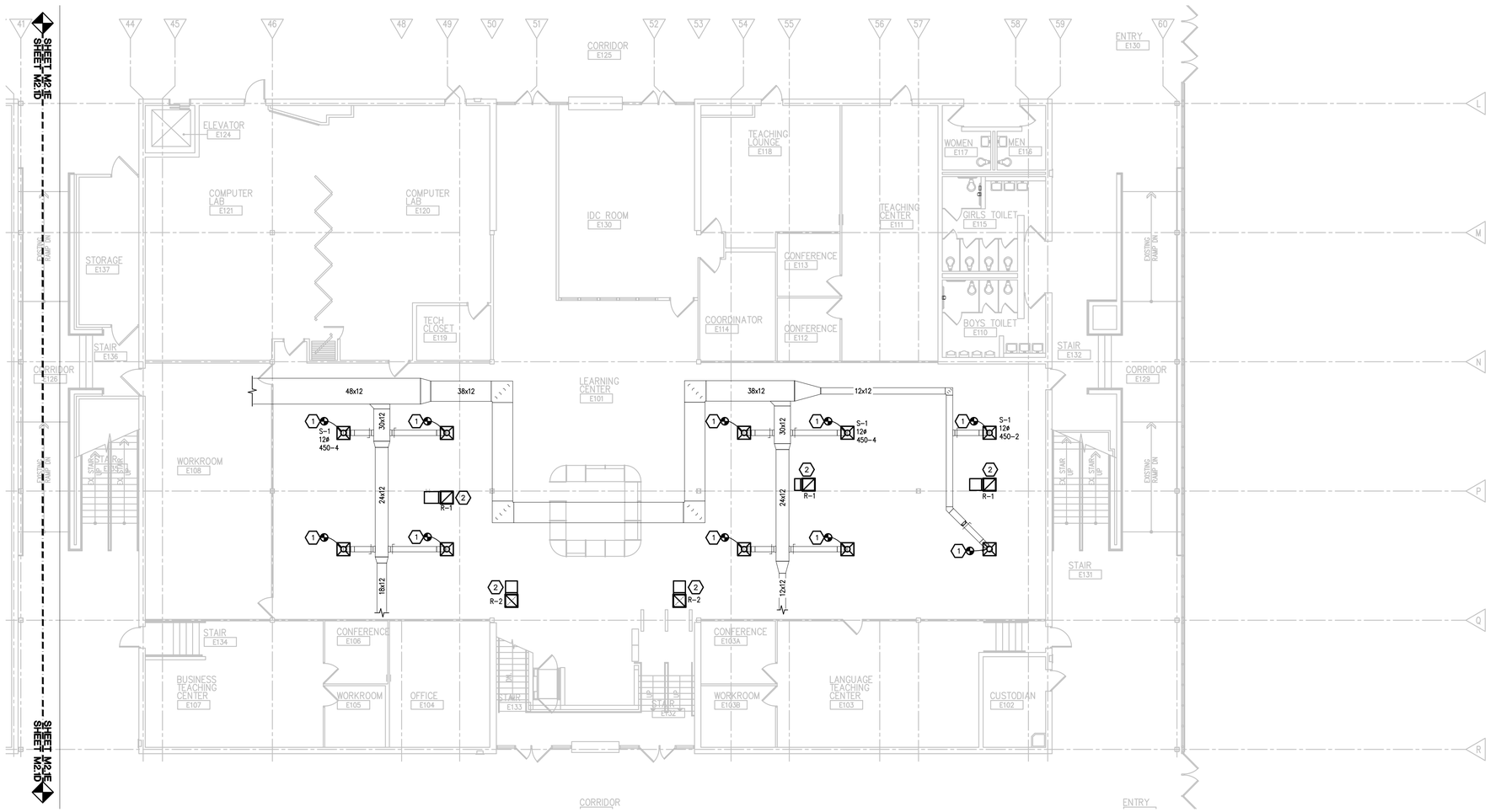
PROJECT NO.

13083E

DRAWING NO.

ME1.2

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR SHEET METAL PLAN - ZONE E

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

MECHANICAL GENERAL DEMOLITION NOTES:

1. ANY INTERRUPTION OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. ACTUAL ROUTING AND SIZES OF EXISTING PIPING AND DUCTWORK MIGHT DIFFER TO A LIMITED EXTENT FROM WHAT IS SHOWN. MAJOR DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE ENGINEER.
3. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
4. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE, INCLUDING ALL RELATED ITEMS SUCH AS HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.

SHEET METAL GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. PIPING AND DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
4. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
5. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

CONSTRUCTION NOTES:

1. REPLACE EXISTING SUPPLY DIFFUSER WITH NEW DIFFUSER AS INDICATED. EXTEND EXISTING DUCTWORK AS REQUIRED FOR NEW CONSTRUCTION. CONTRACTOR TO PROVIDE PRE-DEMOLITION AIRFLOW READINGS AND RE-BALANCE NEW DIFFUSER TO EXISTING CFM.
2. REPLACE EXISTING RETURN GRILLE WITH NEW RETURN GRILL ASSEMBLY.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

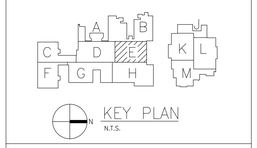
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR SHEET METAL PLAN - ZONE E



ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	ZAV
CHECKED	GRN
APPROVED	RNR

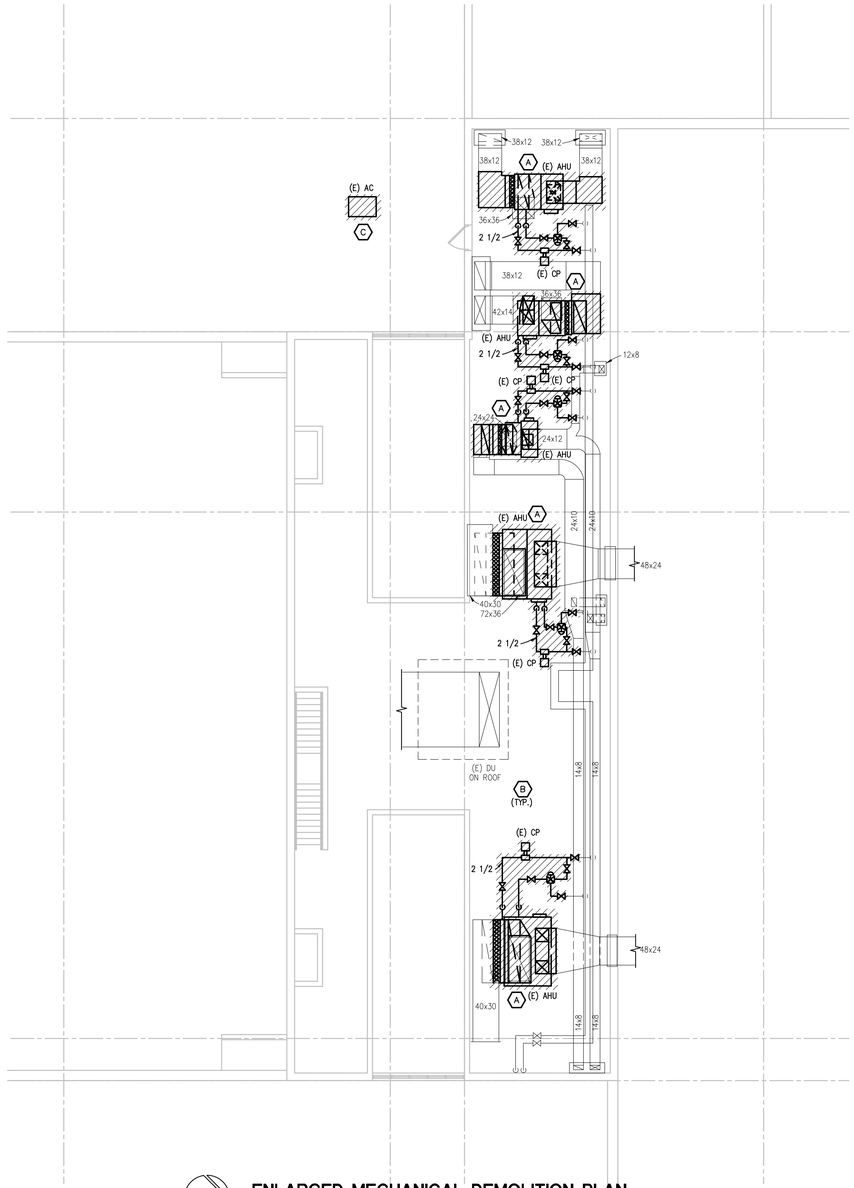
PROJECT NO.

13083E

DRAWING NO.

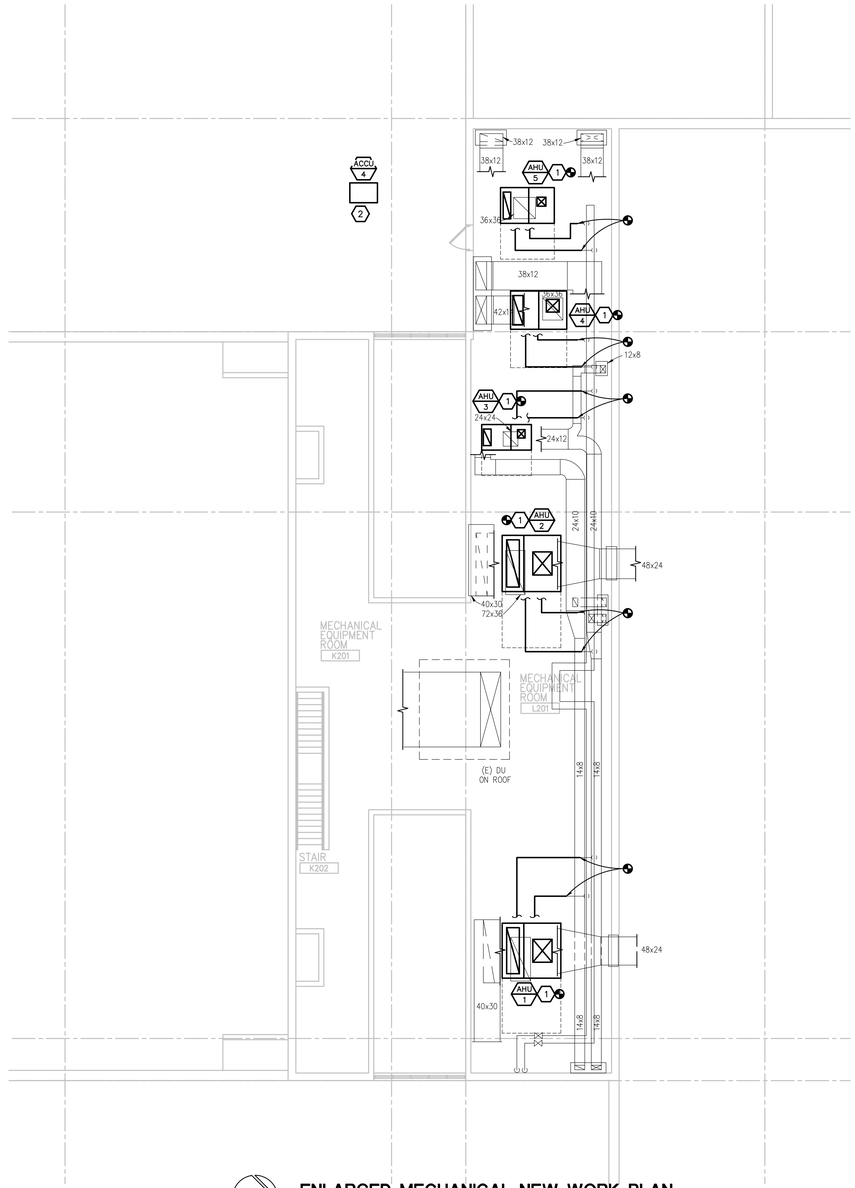
M4.1E

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



ENLARGED MECHANICAL DEMOLITION PLAN

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



ENLARGED MECHANICAL NEW WORK PLAN

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

MECHANICAL GENERAL DEMOLITION NOTES:

1. ANY INTERRUPTION OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. ACTUAL ROUTING AND SIZES OF EXISTING PIPING AND DUCTWORK MIGHT DIFFER TO A LIMITED EXTENT FROM WHAT IS SHOWN. MAJOR DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE ENGINEER.
3. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
4. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE, INCLUDING ALL RELATED ITEMS SUCH AS HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.

(#) DEMOLITION KEY NOTES:

A. REMOVE EXISTING AIR HANDLING UNIT IN ORDER TO BE REPLACED. SALVAGE ALL EXISTING DUCTWORK AND DUCTWORK CONNECTIONS TO THE UNIT IN ORDER TO RE-CONNECT. SALVAGE AND ASSESS ALL DUCTWORK NEEDED TO BE DEMOED IN ORDER TO ALLOW FOR UNIT REPLACEMENT. PREPARE SUPPLY, RETURN, RELIEF AND OUTSIDE AIR DUCTWORK FOR CONNECTION TO NEW AIR HANDLING UNIT. REMOVE EXISTING HOT WATER PIPING ACCESSORIES AND CONTROLS IN ORDER TO BE REPLACED. PREPARE PIPING FOR NEW CONNECTIONS.

B. BALANCING CONTRACTOR TO PERFORM PRE-DEMOLITION AIR FLOW, WATER FLOW AND PRESSURE READINGS ON ALL AIR HANDLING EQUIPMENT TO BE REPLACED. FORWARD RESULTS TO ENGINEER FOR REVIEW AND ANALYSIS.

C. REMOVE EXISTING CONDENSER ON THE ROOF INCLUDING REFRIGERANT PIPING AND CONTROLS IN ORDER TO BE REPLACED. CONTRACTOR TO ASSESS IF EXISTING SUPPORT COULD BE RE-USED FOR THE NEW UNIT.

SHEET METAL GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. PIPING AND DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
4. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
5. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

HVAC PIPING GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. PIPING AND DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
4. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
5. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
6. SUBMIT PROPOSED METHODS OF ANCHORING AND GUIDING PIPING SYSTEMS TO STRUCTURAL ENGINEER FOR APPROVAL.
7. COORDINATE LOCATION OF DUCT-MOUNTED HYDRONIC DEVICES WITH SHEET METAL TRADES.
8. MOUNT THERMOSTATS 48" A.F.F., UNLESS OTHERWISE NOTED. LOCATE AS CLOSE AS POSSIBLE TO DOOR WHEN INDICATED NEAR DOOR. COORDINATE EXACT LOCATION WITH ALL OTHER TRADES.

(#) CONSTRUCTION NOTES:

1. NEW AIR HANDLING UNIT. COORDINATE EXACT LOCATION WITH EXISTING DUCTWORK CONNECTIONS. CONTRACTOR TO RE-USE AS MUCH AS POSSIBLE OF THE EXISTING DUCTWORK AND PROVIDE NEW DUCTWORK CONNECTIONS WHERE NECESSARY. EXTEND EXISTING EQUIPMENT PAD AS REQUIRED TO ACCOMMODATE NEW UNIT DIMENSIONS. PROVIDE NEW PIPING WHERE REQUIRED BY THE DEMOLITION WORK. PROVIDE NEW PIPING CONNECTIONS WITH NEW VALVE ACCESSORIES AND CONTROLS. REFER TO DETAILS FOR PIPING DIAGRAMS. CONTRACTOR TO COORDINATE NEW UNIT INSTALLATION WITH EXISTING CONDITIONS PRIOR TO PLACING FINAL ORDER ON THE UNIT.
2. NEW CONDENSING UNIT MOUNTED ON THE ROOF ON EQUIPMENT RAILS. COORDINATE EXACT LOCATION WITH STRUCTURAL AND EXISTING CONDITIONS. ROUTE NEW PIPING THROUGH EXISTING HOLES FROM DEMOLISHED CONDENSING UNIT.
3. REMOVE AND REPLACE EXISTING ROOF EXHAUST FAN WITH NEW EXHAUST FAN. CONTRACTOR TO VERIFY EXISTING ROOF CURB CONDITION. PROVIDE NEW CURB OR CURB ADAPTOR IN CASE CURB CAN'T BE RE-USED. DISCONNECT POWER FROM EXISTING FAN AND RECONNECT CIRCUITING TO NEW FAN. EXTEND EXISTING CIRCUITING AS REQUIRED. PROVIDE NEW STARTER SIZED AS REQUIRED. RE-CONNECT FAN TO EXISTING CONTROLS. IF THE FAN IS ON SWITCH VERIFY CONDITION AND CONFIRM OPERATION. CONTRACTOR TO VERIFY EXISTING DUCTWORK TO BE CONNECTED AND OPERATIONAL. VERIFY IF NEW MOTORIZED DAMPER SHOULD BE PROVIDED OR EXISTING DAMPER CAN BE RE-USED. COORDINATE ALL REQUIREMENTS BEFORE PLACING THE ORDER ON THE FAN. NOTE: PCCS DISTRICT TO IDENTIFY THE FANS TO BE REPLACED. FOR INFO REFER TO SHEET M7.3.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

ENLARGED MECHANICAL ROOM PLANS

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

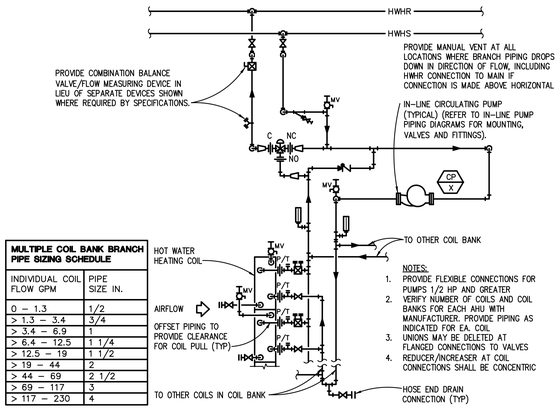
DRAWN	ZAV
CHECKED	GRN
APPROVED	RNR

PROJECT NO.

13083E

DRAWING NO.

M5.1



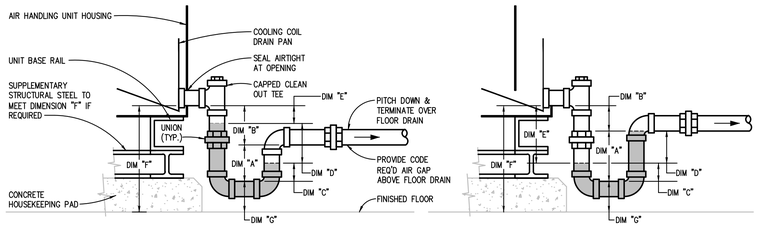
MULTIPLE COIL BANK BRANCH PIPE SIZING SCHEDULE	
INDIVIDUAL COIL FLOW GPM	PIPE SIZE IN.
0 – 1.3	1/2
> 1.3 – 3.4	3/4
> 3.4 – 6.9	1
> 6.4 – 12.5	1 1/4
> 12.5 – 19	1 1/2
> 19 – 44	2
> 44 – 69	2 1/2
> 69 – 117	3
> 117 – 230	4

AHU HOT WATER HEATING COIL PIPING DIAGRAM
NO SCALE

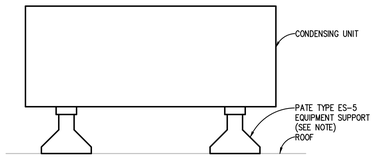
TRAP DIMENSION TABLE

TYPE OF SYSTEM	S.P. AT COIL DRAIN PAN (IN.) (NOTE A)	DIMENSION "A" (INCHES) MIN.	DIMENSION "B" (INCHES)	DIMENSION "C" (INCHES) (TRAP SEAL)	DIMENSION "D" (INCHES)	DIMENSION "E" (INCHES)	DIMENSION "F" (INCHES) DRAIN PIPE SIZE (INCHES)			
							1 1/2	2	2 1/2, 3	4
DRAW THROUGH	−5.1 TO −6	5.0	5.0	2	6	2	13.0	14.0	15.0	16.0
	−4.1 TO −5	4.5	4.5	2	5	2	12.0	13.0	14.0	15.0
	−3.1 TO −4	4.0	4.0	2	4	2	11.0	12.0	13.0	14.0
	−2.1 TO −3	3.5	3.5	2	3	2	10.0	11.0	12.0	13.0
	UP TO −2	3.0	3.0	2	2	2	9.0	10.0	11.0	12.0
BLOW THROUGH	UP TO +2	4.0	2.0	2	2	4	9.0	10.0	11.0	12.0
	+2.1 TO +3	5.0	2.0	2	3	5	10.0	11.0	12.0	13.0
	+3.1 TO +4	6.0	2.0	2	4	6	11.0	12.0	13.0	14.0
	+4.1 TO +5	7.0	2.0	2	5	7	12.0	13.0	14.0	15.0
	+5.1 TO +6	8.0	2.0	2	6	8	13.0	14.0	15.0	16.0

NOTES: A. REFER TO AIR HANDLING UNIT SCHEDULE FOR (−) OR (+) STATIC PRESSURE AT COIL DRAIN PAN.
B. DIMENSION "G" IS MIN: 3" FOR UP TO 1 1/2" DRAIN PIPE
4" FOR 2" DRAIN PIPE
5" FOR 2 1/2" OR 3" DRAIN PIPE
6" FOR 4" DRAIN PIPE

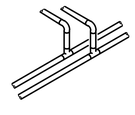


INDOOR AIR HANDLING UNIT CONDENSATE PAN TRAP DETAIL
NO SCALE



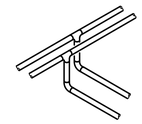
NOTE:
CUT EXISTING ROOFING SUCH THAT SUPPORT RESTS DIRECTLY ON ROOF DECK. PROVIDE FLASHING AS NECESSARY.

TYPICAL CONDENSING UNIT SUPPORT DETAIL
NO SCALE



BRANCH CONNECTION OFF TOP

APPLIES TO THE FOLLOWING SYSTEMS:
DOMESTIC WATER
STEAM & CONDENSATE
LABORATORY GASES
LABORATORY VACUUM
COMPRESSED AIR
NATURAL GAS

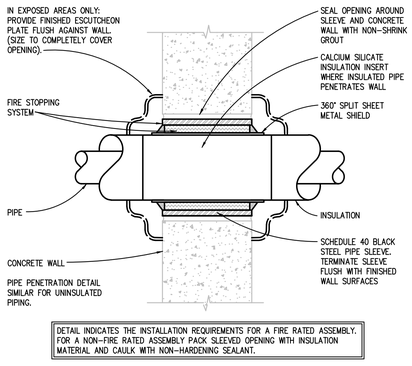


BRANCH CONNECTION OFF BOTTOM

APPLIES TO THE FOLLOWING SYSTEMS:
HOT WATER HEATING
CHILLED WATER
CONDENSER WATER
ENERGY RECOVERY
PROCESS COOLING WATER

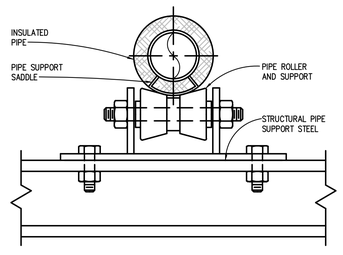
NOTE: BOTTOM AS INDICATED OR SIDE CONNECTION IS ACCEPTABLE. CONNECTION ABOVE CENTERLINE OF MAINS IS NOT ACCEPTABLE.

TYPICAL BRANCH TAKE-OFF CONNECTION PIPING DETAIL
NO SCALE

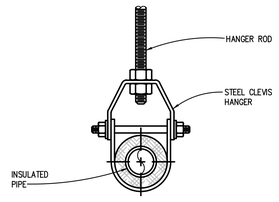


DETAIL INDICATES THE INSTALLATION REQUIREMENTS FOR A FIRE RATED ASSEMBLY. FOR A NON-FIRE RATED ASSEMBLY PACK SLEEVED OPENING WITH INSULATION MATERIAL AND CAULK WITH NON-HARDENING SEALANT.

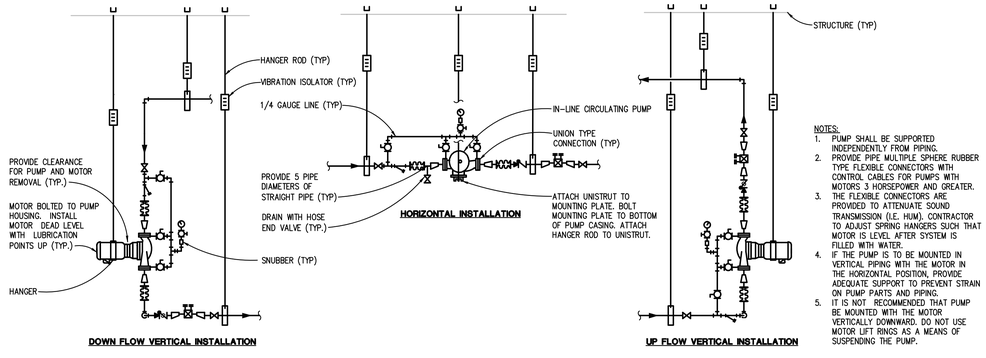
FIRE RATED AND NON-FIRE RATED POURED CONCRETE OR BLOCK WALL PIPE PENETRATION DETAIL
NO SCALE



INSULATED PIPE SUPPORT DETAIL
NO SCALE

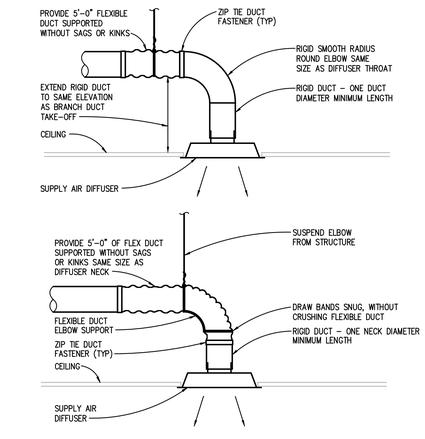


INSULATED PIPE HANGER DETAIL
NO SCALE

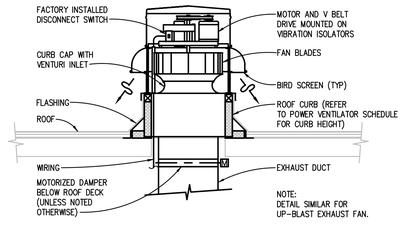


NOTES:
1. PUMP SHALL BE SUPPORTED INDEPENDENTLY FROM PIPING.
2. PROVIDE PIPE MULTIPLE SPHERE RUBBER TYPE FLEXIBLE CONNECTORS WITH CONTROL CABLES FOR PUMPS WITH MOTORS 3 HORSEPOWER AND GREATER.
3. THE FLEXIBLE CONNECTORS ARE PROVIDED TO ATTENUATE SOUND TRANSMISSION (I.E. HUM). CONTRACTOR TO ADJUST SPRING HANGERS SUCH THAT MOTOR IS LEVEL AFTER SYSTEM IS FILLED WITH WATER.
4. IF THE PUMP IS TO BE MOUNTED IN VERTICAL PIPING WITH THE MOTOR IN THE HORIZONTAL POSITION, PROVIDE ADEQUATE SUPPORT TO PREVENT STRAIN ON PUMP PARTS AND PIPING.
5. IT IS NOT RECOMMENDED THAT PUMP BE MOUNTED WITH THE MOTOR VERTICALLY DOWNWARD. DO NOT USE MOTOR LIFT RINGS AS A MEANS OF SUSPENDING THE PUMP.

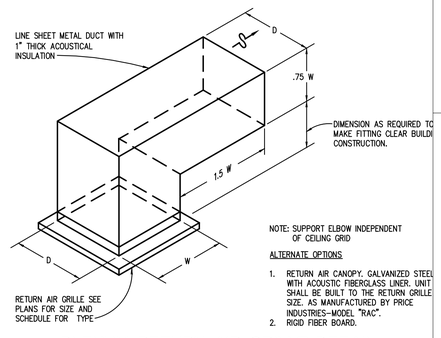
IN-LINE CLOSE COUPLED (BELL AND GOSSETT SERIES 80 AND 90) TYPE CIRCULATING PUMP PIPING DIAGRAM
NO SCALE



ROUND NECK SUPPLY AIR DIFFUSER DETAIL
NO SCALE



ROOF MOUNTED POWER VENTILATOR EXHAUST FAN DETAIL
NO SCALE



NOTE: SUPPORT ELBOW INDEPENDENT OF CEILING GRID

ALTERNATE OPTIONS

1. RETURN AIR CANOPY, GALVANIZED STEEL WITH ACOUSTIC FIBERGLASS LINER. UNIT SHALL BE BUILT TO THE RETURN GRILLE SIZE, AS MANUFACTURED BY PRICE INDUSTRIES–MODEL "RAC".
2. RIGID FIBER BOARD.

PLENUM RETURN AIR GRILLE DETAIL
NO SCALE

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE
Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE
MECHANICAL DETAILS

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN ZAV
CHECKED GRN
APPROVED RNR

PROJECT NO.
13083E

DRAWING NO.
M6.1

DUCT SYSTEM APPLICATION SCHEDULE

AIR SYSTEMS	DUCT MATERIAL: G90 GALV. SHEET METAL	DOUBLE-WALL LINED G90 GALV. SHEET METAL (SOLID INNER WALL)	DOUBLE-WALL LINED G90 GALV. SHEET METAL (PERF. INNER WALL)	G90 GALV. SHEET METAL WITH 1-INCH LINING	GALVANNEALED SHEET METAL	ALUMINUM	TYPE 304 STAINLESS STEEL	TYPE 316 STAINLESS STEEL	PVC COATED GALV. SHEET METAL (4X1)	PVC COATED GALV. SHEET METAL (1X4)	PVC COATED GALV. SHEET METAL (4X4)	16 GA. CARBON STEEL	ZERO-CLEARANCE PREFABRICATED RANGE HOOD EXHAUST DUCT	FABRIC	DESIGN PRESSURE CLASS (INCHES WG)	SEAL CLASS	MAX. ALLOWABLE LEAKAGE RATE (PERCENT)	KEYED NOTES
SUPPLY AIR WITHOUT TERMINAL UNITS	X														+2	A	5	
RETURN AIR WITHOUT TERMINAL UNITS	X														−2	A	5	
EXHAUST AIR WITHOUT TERMINAL UNITS	X														−2	A	5	
RELIEF AIR DOWNSTREAM OF FANS	X														+6	A	5	
OUTSIDE AIR AND MIXED AIR DUCT	X														−6	A	5	
OUTSIDE AIR, RELIEF AIR AND EXHAUST AIR PLENUMS ADJACENT TO EXTERIOR LOUVERS		X													+/−6	A	5	

GENERAL NOTES

1. "X" INDICATES ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED FOR A DUCT SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. 4 X 1 PVC-COATED GALVANIZED STEEL: FACTORY-APPLIED PVC COATINGS SHALL BE 4 MILS (0.10 MM) THICK ON EXTERIOR SHEET METAL SURFACES OF DUCTS AND FITTINGS EXPOSED TO CORROSIVE CONDITIONS AND MINIMUM 1 MIL (0.025 MM) THICK ON INTERIOR SURFACES.
3. 1 X 4 (4 X 1 REVERSE COATED) PVC-COATED GALVANIZED STEEL: FACTORY-APPLIED PVC COATINGS SHALL BE 4 MILS (0.10 MM) THICK ON INTERIOR SHEET METAL SURFACES OF DUCTS AND FITTINGS EXPOSED TO CORROSIVE CONDITIONS AND MINIMUM 1 MIL (0.025 MM) THICK ON EXTERIOR SURFACES.
4. 4 X 4 PVC-COATED GALVANIZED STEEL: FACTORY-APPLIED PVC COATINGS SHALL BE 4 MILS (0.10 MM) THICK ON SHEET METAL SURFACES OF DUCTS AND FITTINGS EXPOSED TO CORROSIVE CONDITIONS AND 4 MILS (0.10 MM) THICK ON OPPOSITE SURFACES.

KEYED NOTES

A. SCREWS, DAMPERS, OR PROJECTIONS OF ANY TYPE ON INTERIOR OF DUCT SURFACE ARE PROHIBITED.
B. DUCT SHALL BE LINED WITHIN 25 FEET UPSTREAM OF FANS.
C. ALL WELDED CONSTRUCTION.

DUCT SYSTEM INSULATION APPLICATION SCHEDULE

	INSULATION MATERIAL & THICKNESS (INCHES): FIBERGLASS BLANKET 0.75 LB/CU FT	FIBERGLASS BLANKET 1.0 LB/CU FT	FIBERGLASS BOARD 2.25 LB/CU FT	FIBERGLASS BOARD 6.0 LB/CU FT	FLEXIBLE ELASTOMERIC	ASTM E2336 2-HOUR FIRE RATED BLANKET	2-HOUR FIRE RATED BLANKET	FIELD APPLIED JACKET MATERIAL: ALUMINUM	SELF-ADHESIVE (FOR OUTDOOR APPLICATIONS)	KEYED NOTES
DUCT SYSTEMS LOCATED INDOORS										
SUPPLY AIR, EXCEPT AS NOTED BELOW		1.5								A
RECTANGULAR SUPPLY AIR IN MECHANICAL ROOMS			1.5							
ROUND & FLAT OVAL SUPPLY AIR IN MECHANICAL ROOMS		1.5								
RECTANGULAR RETURN AIR IN MECHANICAL EQUIPMENT ROOMS			1.5							
ROUND RETURN AIR IN MECHANICAL ROOMS		1.5								
OUTSIDE AIR AND MIXED AIR, EXCEPT AS NOTED BELOW		1.5								
RECTANGULAR OUTSIDE AIR AND MIXED AIR IN MECHANICAL ROOMS			1.5							
ROUND OUTSIDE AIR AND MIXED AIR IN MECHANICAL ROOMS		1.5								
OUTSIDE AIR INTAKE, RELIEF AIR AND EXHAUST AIR PLENUMS ADJACENT TO EXTERIOR LOUVERS			1.5							
EXHAUST AND RELIEF AIR BETWEEN ISOLATION DAMPER AND PENETRATION OF BUILDING EXTERIOR, EXCEPT AS NOTED BELOW		1.5								
RECTANGULAR EXHAUST AND RELIEF AIR BETWEEN ISOLATION DAMPER AND PENETRATION OF BUILDING EXTERIOR, IN MECHANICAL ROOMS			1.5							
ROUND & FLAT OVAL EXHAUST AND RELIEF AIR BETWEEN ISOLATION DAMPER AND PENETRATION OF BUILDING EXTERIOR, IN MECHANICAL ROOMS		1.5								

PLENUMS, DUCTS, AND DUCT ACCESSORIES NOT REQUIRING INSULATION:
- FIBROUS-GLASS DUCTS
- DOUBLE-WALL METAL DUCTS WITH INSULATION OF SUFFICIENT THICKNESS TO COMPLY WITH ENERGY CODE AND ASHRAE/IESNA 90.1 – 2007
- METAL DUCTS WITH DUCT LINER OF SUFFICIENT THICKNESS TO COMPLY WITH ENERGY CODE AND ASHRAE/IESNA 90.1 – 2007
- EXPOSED SUPPLY DUCT IN CONDITIONED SPACE SERVED BY THAT SYSTEM
- FABRIC SUPPLY DUCTS
- FACTORY-INSULATED FLEXIBLE DUCTS
- FACTORY-INSULATED PLENUMS AND CASINGS
- FLEXIBLE CONNECTORS
- VIBRATION-CONTROL DEVICES
- FACTORY-INSULATED ACCESS PANELS AND DOORS

GENERAL NOTES

1. "X" OR THICKNESS IN INCHES INDICATE ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED FOR A DUCT SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. REFER TO METAL DUCT SECTION OF SPECIFICATIONS FOR DUCT LINING AND DOUBLE-WALL INSULATED DUCT.
3. REFER TO HVAC CASINGS SECTION OF SPECIFICATIONS FOR DOUBLE-WALL INSULATED PLENUMS.

KEYED NOTES

A. INCLUDE INSULATION AROUND DUCT MOUNTED COILS AND AIR TERMINAL UNIT COILS.
B. NUMBER OF LAYERS AND TOTAL INSULATION THICKNESS AS RECOMMENDED BY SELECTED MANUFACTURER.
C. DOES NOT APPLY TO PREFABRICATED, ZERO-CLEARANCE GREASE DUCT.
D. PROVIDE MANUFACTURER'S RECOMMENDED PROTECTIVE COATING FOR FLEXIBLE ELASTOMERIC THERMAL DUCT INSULATION.
E. INSULATE DUCTWORK IN CRAWLSPACES, VENTILATED ATTICS, AND PARKING GARAGES HAVING NATURAL OR MECHANICAL VENTILATION THE SAME AS OUTDOOR DUCTWORK.

ROOF MOUNTED PIPING SUPPORT APPLICATION SCHEDULE

PIPE TYPE & SIZE	SUPPORT TYPE: LOW FIXED-HEIGHT SINGLE-BASE STAND	LOW ADJUSTABLE-HEIGHT SINGLE-BASE STAND	HIGH ADJUSTABLE-HEIGHT SINGLE-BASE STAND	LOW FIXED HEIGHT SINGLE-BASE ROLLER STAND	LOW ADJUSTABLE-HEIGHT SINGLE-BASE ROLLER STAND	HIGH MULTIPLE-BASE PIPE STAND	CUSTOM MULTIPLE BASE PIPE STAND	CURB-MOUNTING PIPE STAND	SHIELD TYPE: MSS TYPE 39 PROTECTION SADDLE	MSS TYPE 40 INSULATION PROTECTION SHIELD	THERMAL-HANGER SHIELD	KEYED NOTES
SINGLE PIPES												
REFRIGERANT PIPE NPS 4 AND SMALLER				X	X			X				
CONDENSATE DRAIN PIPE ALL SIZES	X	X						X				
MULTIPLE PARALLEL PIPES												
REFRIGERANT PIPE NPS 4 AND SMALLER	X	X						X				
CONDENSATE DRAIN PIPE ALL SIZES	X	X						X				

GENERAL NOTES

1. "X" INDICATES APPROVED HANGER OR SUPPORT ELEMENTS. IF MORE THAN ONE HANGER OR SUPPORT ELEMENT IS INDICATED, SELECTION FROM APPROVED ELEMENTS IS CONTRACTOR'S OPTION.
2. REFER TO HANGER AND SUPPORT SECTION FOR APPROVED MANUFACTURERS. CONTRACTOR'S OPTION.
3. SUPPORT ELEMENTS IN CONTACT WITH BARE COPPER PIPE SHALL BE COPPER PLATED, PLASTIC OR PLASTIC COATED, FELT LINED, OR USE MANUFACTURED COPPER TUBE ISOLATORS

KEYED NOTES

A. TYPE 40 SHIELD MAY BE USED ON INSULATED PIPE SIZED NPS 2 AND SMALLER.
B. CONSULT WITH SUPPORT MANUFACTURER FOR CUSTOM SUPPORT REQUIREMENTS.
C. USE THERMAL HANGER SHIELD FOR INSULATED RING.
D. TYPE 39 PROTECTION SADDLE MAY BE USED IF INSULATION WITHOUT VAPOR BARRIER IS INDICATED. FILL INTERIOR VOIDS WITH INSULATION MATCHING ADJOINING INSULATION.

ABOVEGROUND HVAC PIPING & VALVE APPLICATION SCHEDULE

PIPE SIZE (INCHES)	MATERIAL: SOFT COPPER TYPE K	HARD COPPER TYPE L	HARD COPPER TYPE M	CARBON STEEL (SCHED. 40)	CARBON STEEL (SCHED. 80)	CARBON STEEL (STD.)	COPPER TYPE DWV	CONNECTION: SOLDERED	BRAZED	WELDED	THREADED	FLANGED	GROOVED	PRESSURE SEAL	MECHANICALLY FORMED TEE	ISOLATION VALVES: BALL	GENERAL SERVICE BUTTERFLY	HI-PERF BUTTERFLY	GATE	KEYED NOTES
HEATING HOT WATER SUPPLY & RETURN - MIN. WORKING PRESS. & TEMP.: 125 PSIG AT 200 DEG F																				
UP TO 2		X						X	X					X	X	X				
2-1/2 TO 4		X		X						X			X	X			X			D
2-1/2 TO 4		X							X				X	X	X		X			D

GENERAL NOTES

1. "X" INDICATES ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED FOR A PIPING SYSTEM, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. DISSIMILAR-METAL PIPING JOINTS: CONSTRUCT JOINTS USING DIELECTRIC FITTINGS COMPATIBLE WITH BOTH PIPING MATERIALS. IF A BRONZE VALVE CONNECTS THE DISSIMILAR METALS NO FURTHER DIELECTRIC ISOLATION IS REQUIRED.
   a. NPS 2 AND SMALLER: USE BRASS COUPLING, NIPPLE, OR UNION.
   b. NPS 2-1/2 AND LARGER: USE DIELECTRIC FLANGE KITS.
3. USE UNIONS OR FLANGES AT VALVE AND EQUIPMENT CONNECTIONS.
4. HVAC EQUIPMENT DRAINS, VENTS, SAFETY VALVE PIPING, BLOWDOWN PIPING AND THE LIKE SHALL BE SAME PIPING MATERIAL AS ASSOCIATED PIPING SYSTEM.
5. GROOVED END VALVES MAY BE USED WITH GROOVED PIPING.

KEYED NOTES

A. GROOVED FITTINGS, JOINTS, AND COUPLINGS, IF INDICATED AS AN ACCEPTABLE SELECTION, MAY BE USED IN ACCESSIBLE LOCATIONS FOR THIS PIPING SYSTEM ONLY.
B. BALL VALVE WITH 250 PSIG STEAM TRIM.
C. BALL VALVE WITH 150 PSIG STEAM TRIM.
D. GROOVED FITTINGS, JOINTS AND COUPLINGS MAY BE USED IN MECHANICAL ROOMS ONLY.

ABOVEGROUND HVAC PIPE & ACCESSORY INSULATION APPLICATION SCHEDULE

	INSULATION MATERIAL & THICKNESS (INCHES): FLEXIBLE ELASTOMERIC	FIBERGLASS	MINERAL WOOL	POLYISOCYANURATE	PHENOLIC	CELLULAR GLASS	CALCIUM SILICATE	FIELD-APPLIED JACKET MATERIAL: ALUMINUM	STAINLESS STEEL	PVC	SELF-ADHESIVE (FOR OUTDOOR APPLICATIONS)	PVDC (INDOOR)	PVDC (OUTDOOR)	KEYED NOTES
INDOOR PIPE SYSTEM AND SIZE (INCHES)														
HEATING HOT WATER SUPPLY & RETURN 200 DEG F AND LOWER														
3 AND SMALLER		1						X		X				A
4 AND LARGER		1.5						X		X				A
REFRIGERANT SUCTION & HOT GAS (RIGID COPPER)	1	1		1	1	1.5		X		X				
REFRIGERANT SUCTION & HOT GAS (SOFT COPPER)	1							X		X				
OUTDOOR (ABOVEGROUND) AND TUNNEL PIPE SYSTEM AND SIZE (INCHES)														
REFRIGERANT SUCTION & HOT GAS (RIGID COPPER)	2	2						X			X			B
REFRIGERANT SUCTION & HOT GAS (SOFT COPPER)	2													B

GENERAL NOTES

1. "X" OR THICKNESS IN INCHES INDICATES ACCEPTABLE SELECTION. IF MORE THAN ONE SELECTION IS INDICATED, CONTRACTOR MAY SELECT FROM THOSE INDICATED SELECTIONS.
2. INSULATE PIPING WITHIN AIR HANDLING EQUIPMENT THE SAME AS INDOOR PIPING. PROVIDE ALUMINUM OR STAINLESS STEEL JACKET.

KEYED NOTES

A. PROVIDE FIELD APPLIED JACKET FOR PIPING EXPOSED IN EQUIPMENT ROOMS, STORAGE ROOMS, JANITORS CLOSETS, RECEIVING ROOMS, TEST AREAS, CIRCULATION AREAS AND SUCH AREAS SUBJECT TO DAMAGE WITHIN 10 FEET (3 METERS) OF FINISHED FLOOR.
B. PROVIDE MANUFACTURER'S RECOMMENDED PROTECTIVE COATING FOR FLEXIBLE ELASTOMERIC THERMAL INSULATION.
C. STEAM AND CONDENSATE PIPING JACKET SHALL BE STUCCO EMBOSSED.
D. PIPING WITHIN ENERGY RECOVERY UNITS SHALL BE TYPE 304 STAINLESS STEEL, SMOOTH; 0.010 INCH THICK. SEAMS AND JOINTS CAULKED WITH CHEMICALLY RESISTANT SEALER.

HORIZONTAL PIPING AND SUPPORT APPLICATION SCHEDULE

METAL PIPE TYPE & SIZE	HANGER OR SUPPORT TYPE: MSS TYPE 1 CLEVIS HANGER	MSS TYPE 10 SWIVEL RING BAND HANGER	MSS TYPE 41 DOUBLE ROD PIPE ROLLER	MSS TYPE 43 SINGLE ROD ROLLER HANGER	MSS TYPE 44 PIPE ROLLER & STAND	MSS TYPE 46 ADJUSTABLE PIPE ROLL STAND	SHIELD TYPE: MSS TYPE 39 PROTECTION SADDLE	MSS TYPE 40 INSULATION PROTECTION SHIELD	THERMAL-HANGER SHIELD	KEYED NOTES
UNINSULATED SINGLE PIPE										
UP TO 2 INCH	X	X								
2-1/2 INCH TO 4 INCH	X	X								
INSULATED SINGLE COLD PIPES										
UP TO 2 INCH	X	X						X	X	A
2-1/2 INCH TO 4 INCH	X								X	
INSULATED SINGLE HOT PIPES										
UP TO 2 INCH	X	X					X	X	X	A, C
2-1/2 INCH TO 4 INCH			X	X	X	X	X		X	B, C

GENERAL NOTES

1. "X" INDICATES APPROVED HANGER OR SUPPORT ELEMENTS. IF MORE THAN ONE HANGER OR SUPPORT ELEMENT IS INDICATED, SELECTION FROM APPROVED ELEMENTS IS CONTRACTOR'S OPTION.
2. REFER TO HANGER AND SUPPORT SECTION FOR APPROVED MANUFACTURERS.
3. HANGERS AND SUPPORTS USED FOR FIRE PROTECTION SERVICES SHALL BE UL LISTED OR FMG APPROVED.
4. HANGER ELEMENTS IN CONTACT WITH BARE COPPER PIPE SHALL BE COPPER PLATED, PLASTIC COATED, FELT LINED, OR USE MANUFACTURED COPPER TUBE ISOLATORS.
5. REFER TO INDIVIDUAL PIPING SPECIFICATION SECTIONS FOR HANGER SPACING.
6. MULTIPLE PARALLEL COLD PIPES MAY BE TRAPEZE SUPPORTED FROM BELOW USING U-BOLTS OR STRUT CLAMPS AND THERMAL HANGER SHIELDS. REFER TO KEYED NOTE A.
7. MULTIPLE PARALLEL COLD PIPES MAY BE TRAPEZE SUPPORTED FROM ABOVE USING STANDARD HANGER ELEMENTS INDICATED FOR SINGLE COLD PIPES.
8. MULTIPLE PARALLEL HOT PIPES MAY BE TRAPEZE SUPPORTED FROM BELOW USING ROLLER ELEMENTS AND THERMAL HANGER SHIELD OR INSULATION PROTECTION SADDLE. REFER TO KEYED NOTES B AND C.
9. MULTIPLE PARALLEL HOT PIPES MAY BE TRAPEZE SUPPORTED FROM ABOVE USING STANDARD ROLLER HANGERS INDICATED AND THERMAL HANGER SHIELD OR INSULATION PROTECTION SADDLE. REFER TO KEY NOTES B AND C.
10. REFER TO INDIVIDUAL PIPING SPECIFICATION SECTIONS FOR ADDITIONAL SYSTEM SPECIFIC HANGER APPLICATIONS.

KEYED NOTES

A. USE THERMAL HANGER SHIELD ON TRAPEZE SUPPORTED INSULATED PIPE TO PREVENT CRUSHING OF INSULATION.
B. USE THERMAL HANGER SHIELD DESIGNED FOR USE ON ROLLER SUPPORTS FOR INSULATED HOT PIPE .
C. USE TYPE 39 PROTECTION SADDLES IF INSULATION WITHOUT VAPOR BARRIER IS INDICATED. FILL INTERIOR VOIDS WITH INSULATION MATCHING ADJOINING INSULATION.

VIBRATION ISOLATOR APPLICATION SCHEDULE

EQUIPMENT TYPE	EQUIPMENT CATEGORY	HORSEPOWER AND OTHER	RPM	EQUIPMENT LOCATION: SLAB ON GRADE: BASE TYPE	SLAB ON GRADE: ISOLATOR TYPE	SLAB ON GRADE: MIN. DEFL., IN. (MM)	UP TO 40 FT (12 M) FLOOR SPAN: BASE TYPE	UP TO 40 FT (12 M) FLOOR SPAN: ISOLATOR TYPE	UP TO 40 FT (12 M) FLOOR SPAN: MIN. DEFL., IN. (MM)	KEYED NOTES
BASE MOUNTED CONDENSING UNITS	ALL	≤1HP	ALL	A OR B	2	0.25 (6)	A OR B	2	0.25 (64)	NOTE 3
	ALL	>1HP	ALL	A OR B	2	0.25 (6)	A OR B	4	2.50 (64)	
PACKAGED AND MODULAR AIR HANDLING, AIR CONDITIONING, AND HEATING AND VENTILATING UNITS	ALL	≤10	ALL	A	3	0.75 (19)	A	3	0.75 (19)	NOTES 1, 3, 4
	ALL	≤15 AND ≤4 IN. SP	UP TO 300	A	3	0.75 (19)	C	3	3.50 (89)	
			301 TO 500	A	3	0.75 (19)	A	3	2.50 (64)	
			500 AND UP	A	3	0.75 (19)	A	3	1.50 (38)	
		≥15 AND/OR >4 IN. SP	UP TO 300	B	3	0.75 (19)	C	3	3.50 (89)	
			301 TO 500	B	3	0.75 (19)	C	3	2.50 (64)	
			500 AND UP	B	3	0.75 (19)	C	3	2.50 (64)	
PACKAGED AND MODULAR AIR HANDLING, AIR CONDITIONING AND HEATING AND VENTILATING UNITS WITH INTERNAL SPRING ISOLATORS	ALL	ALL	ALL	A	1a	0.25 (6)	A	1a	0.25 (6)	NOTES 1, 3, 4
AIR HANDLING EQUIPMENT WITH NON-INTERNALLY ISOLATED FAN ARRAYS (AIR HANDLING UNITS, CABINET FANS, FAN UNITS, ETC.)	ALL	ALL	ALL	A	3	0.75 (19)	A	3	2.50 (64)	NOTES 1, 3, 4
PACKAGED ROOFTOP EQUIPMENT	ALL	≤10 TONS REFRIG. OR ≥10 HP FAN	ALL				D OR E	3	1.50 (38)	NOTES 1, 3, 4, 5
BASE MOUNTED DUCTED ROTATING EQUIPMENT	SMALL FANS, FAN-POWERED BOXES	≤600 CFM	ALL	A	3	0.50 (13)	A	3	0.50 (13)	NOTES 3, 4
		>600 CFM	ALL	A	3	0.75 (19)	A	3	0.75 (19)	
SUSPENDED DUCTED ROTATING EQUIPMENT	SMALL FANS, FAN-POWERED BOXES	≤600 CFM	ALL				A	8a OR 8b	0.50 (13)	NOTES 3, 4
		>600 CFM	ALL				A	8a OR 8b	0.75 (19)	

NOTES:
1. THRUST RESTRAINTS: PROVIDE THRUST RESTRAINTS BETWEEN FAN DISCHARGE AND DUCT (IN PAIRS, LOCATED ON THE CENTERLINE OF THE DISCHARGE OUTLET OF THE FAN, BRIDGING THE FLEXIBLE DUCT CONNECTOR) FOR ALL FAN HEADS, FOR AXIAL AND CENTRIFUGAL FANS UNITS OPERATING AT 2 INCHES OR GREATER TOTAL STATIC PRESSURE AND AS SHOWN ON DRAWINGS. SPRING DEFLECTION SHALL BE SAME AS THE SUPPORT ISOLATORS.
2. PIPING RISER ISOLATION: PROVIDE PIPE RISER RESILIENT ANCHORS, SPRING MOUNTS AND RESILIENT PIPE GUIDES CAPABLE OF DISTRIBUTING THE LOADS WITHIN THE BUILDING DESIGN LIMITS AT THE SUPPORT POINTS.
3. HORIZONTAL PIPING VIBRATION ISOLATION: PROVIDE TYPE 8a OR 8b SPRING HANGERS FOR PIPING CONNECTED TO VIBRATION ISOLATED EQUIPMENT FOR ALL PIPING IN MECHANICAL ROOMS OR THE FOLLOWING MINIMUM HORIZONTAL DISTANCES FROM THE ISOLATED EQUIPMENT: UP TO 6" – 50 FEET (1 1/2" MINIMUM DEFLECTION), 8" AND LARGER – 100 FEET (2 1/2" MINIMUM DEFLECTION), WHICHEVER IS GREATER, AND AS SHOWN ON DRAWINGS. THE FIRST 4 HANGERS FROM THE ISOLATED EQUIPMENT SHALL BE TYPE 8b.
4. DUCTWORK VIBRATION ISOLATION: PROVIDE TYPE 8a OR 8b SPRING HANGERS FOR DUCTWORK WITH A CROSS SECTION OF 2 SQUARE FEET OR GREATER CONNECTED TO AIR HANDLING UNITS, RETURN OR RELIEF FANS, AND VIBRATION ISOLATED EQUIPMENT FOR ALL SUCH DUCTWORK IN MECHANICAL ROOMS OR FOR A MINIMUM HORIZONTAL DISTANCE OF 100 FEET FROM THE ISOLATED EQUIPMENT, WHICHEVER IS GREATER, AND AS SHOWN ON DRAWINGS (3/4" MINIMUM DEFLECTION).
5. IF SPAN DOES NOT EXCEED 20 FT, SPRING DEFLECTION MAY BE 1.0 IN AND TYPE D BASE MAY BE USED. FOR SPANS GREATER THAN 20 FT, USE SPRING DEFLECTION INDICATED AND TYPE E BASE.

BASE TYPES:

BASE TYPE A – NO BASE, ISOLATORS ATTACHED DIRECTLY TO EQUIPMENT.
BASE TYPE B – STRUCTURAL, STEEL RAILS OR BASE.
BASE TYPE C – CONCRETE INERTIA BASE.
BASE TYPE D – CURB – MOUNTED ALUMINUM BASE WITH 1" DEFL. SPRING ISOLATORS
BASE TYPE E – CURB – MOUNTED STEEL BASE WITH ADJUSTABLE 1", 2" OR 3" DEFL. SPRING ISOLATORS

ISOLATOR TYPES:

ISOLATOR TYPE 1a – ELASTOMERIC ISOLATION PAD.
ISOLATOR TYPE 1b – ELASTOMERIC ISOLATION PAD WITH STEEL LOAD BEARING PLATE.
ISOLATOR TYPE 2 – ELASTOMERIC FLOOR ISOLATOR.
ISOLATOR TYPE 3 – FREE STANDING SPRING FLOOR ISOLATOR.
ISOLATOR TYPE 4 – RESTRAINED SPRING ISOLATOR.
ISOLATOR TYPE 5 – THRUST RESTRAINT.
ISOLATOR TYPE 6 – AIR SPRING.
ISOLATOR TYPE 7 – ELASTOMERIC HANGERS.
ISOLATOR TYPE 8a – SPRING HANGERS.
ISOLATOR TYPE 8b – SPRING HANGERS WITH VERTICAL-LIMIT STOP.

SCHEDULES GENERAL NOTES:

TYPICAL FOR ALL SCHEDULE SHEETS:

1. REFER TO ELECTRICAL STANDARD SCHEDULES, ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL ELECTRICAL INFORMATION
2. PROVIDE THE FOLLOWING FACTORY-WIRED ELECTRICAL OPTIONS/ACCESSORIES WHERE INDICATED IN SCHEDULE:
   A – NON-FUSED DISCONNECT SWITCH
   B – UNIT SHALL BE SINGLE POINT ELECTRICAL CONNECTION WITH FACTORY INSTALLED DISCONNECTING MEANS AND ALL REQUIRED STARTERS AND CONTROLS
   C – SERVICE RECEPTACLE
   D – FUSED DISCONNECT SWITCH
   E – COMBINATION STARTER
   F – UNIT SHALL HAVE (2) SINGLE POINT CONNECTIONS WITH FACTORY INSTALLED DISCONNECTING MEANS AND ALL REQUIRED STARTERS AND CONTROLS. (1) CONNECTION SHALL BE FOR CONDENSING SECTION AND (1) CONNECTION SHALL BE FOR THE REMAINDER OF THE UNIT.
3. FOR MODULATION/CONTROL TYPE COLUMN, "VFC" INDICATES VARIABLE FREQUENCY CONTROLLERS, "AUTO" INDICATES AUTOMATIC OPERATION (CONTROLLED BY TEMPERATURE CONTROLS OR SELF CONTAINED CONTROLS), "MANUAL" INDICATES HAND OPERATION.
4. IF VARIABLE FREQUENCY CONTROLLERS ARE INDICATED TO BE PROVIDED AND ARE NOT INSTALLED INTEGRAL TO THE UNIT, VARIABLE FREQUENCY CONTROLLERS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR (UNLESS OTHERWISE NOTED) AND INSTALLED BY THE ELECTRICAL CONTRACTOR INCLUDING THE LINE SIDE AND LOAD SIDE WIRING TO THE MOTOR AND INCLUDING MISCELLANEOUS STEEL REQUIRED FOR THE SUPPORT AND MOUNTING OF THE VFC. REFER TO FLOOR PLANS FOR LOCATION.
5. WHERE EQUIPMENT IS INDICATED TO HAVE A SINGLE POINT ELECTRICAL CONNECTION, THAT EQUIPMENT SHALL COME COMPLETE WITH FACTORY INSTALLED STARTERS, MOTOR OVERLOAD PROTECTION, CONTACTORS, FUSING AND ALL NECESSARY INTERNAL WIRING AND CONTROLS. PROVIDE A FACTORY MOUNTED UNIT DISCONNECTING MEANS WHERE THE ELECTRICAL CONTRACTOR SHALL MAKE SINGLE POINT CONNECTION. INSTALL PACKAGED EQUIPMENT SUCH THAT THE ELECTRICAL CONNECTION AND CONTROLS ARE ACCESSIBLE AND HAVE CLEARANCES MEETING THE NATIONAL ELECTRICAL CODE.
6. WHERE PACKAGED EQUIPMENT IS PROVIDED, NAMEPLATE MUST INDICATE MAXIMUM OVERCURRENT PROTECTION BY HACR RATED CIRCUIT BREAKERS OR FUSES. IF FUSE PROTECTION ONLY IS INDICATED, PROVIDE A FUSIBLE DISCONNECT AND FUSES WITH THE UNIT.
7. WHERE EQUIPMENT IS DESIGNATED BY MANUFACTURER AND MODEL NUMBER, THIS IS THE BASIS OF DESIGN. IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT BY OTHER SPECIFIED MANUFACTURERS OR PROPOSED ALTERNATE EQUIPMENT BY THE BASIS OF DESIGN MANUFACTURER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS TO ELECTRICAL REQUIREMENTS, STRUCTURAL LOADING, OR ARCHITECTURAL APPURTENANCES AND SHALL INCLUDE THE COST OF SUCH REVISIONS IN HIS BID.
8. WHERE EQUIPMENT IS SCHEDULED TO INCLUDE A SERVICE RECEPTACLE, PROVIDE A FACTORY MOUNTED SERVICE RECEPTACLE WITH APPROPRIATE FUSES AND TRANSFORMERS CONNECTED ON THE LINE SIDE OF THE UNIT DISCONNECT. PROVIDE A NAMEPLATE ON THE DISCONNECT SWITCH INDICATING THE PRESENCE OF LIVE POWER TO THE SERVICE RECEPTACLE WHEN HE UNIT DISCONNECT IS IN THE OFF POSITION.
9. SIZE ALL EQUIPMENT FEEDERS BASED ON THE LISTED MOP (MAXIMUM OVERCURRENT PROTECTION). REFER TO THE FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE ON THE ELECTRICAL STANDARD SCHEDULES SHEET.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

MECHANICAL SCHEDULES

ISSUE DATES

01-19-2017	BIDS

DATE: ISSUED FOR:

DRAWN ZAV
CHECKED GRN
APPROVED RNR

PROJECT NO.

13083E

DRAWING NO.

M7.1

MODULAR AIR HANDLING UNIT COMPONENT SCHEDULE

UNIT IDENTIFICATION	LOCATION	AREA SERVED	POSITION NUMBER 1	POSITION NUMBER 2	POSITION NUMBER 3	POSITION NUMBER 4	POSITION NUMBER 5	MAXIMUM UNIT LENGTH (IN)	EXISTING UNIT REPLACED	MODEL	REMARKS
AHU-1	MECHANICAL EQUIPMENT ROOM K201/L201	GYM-EAST SIDE	MIXING BOX	AF-1	FUTURE COOLING COIL	HC-1	SF-1	92	HV-4B	CAH022GHAM	
AHU-2	MECHANICAL EQUIPMENT ROOM K201/L201	GYM-WEST SIDE	MIXING BOX	AF-2	FUTURE COOLING COIL	HC-2	SF-2	92	HV-3B	CAH023GHAM	
AHU-3	MECHANICAL EQUIPMENT ROOM K201/L201	CLASSROOM, WEIGHT ROOM	MIXING BOX	AF-3	CC-1	HC-3	SF-3	86	AC-1B	CAH005GDAM	
AHU-4	MECHANICAL EQUIPMENT ROOM K201/L201	GIRLS LOCKERS	MIXING BOX	AF-4	FUTURE COOLING COIL	HC-4	SF-4	88	HV-1B	CAH011GHAM	
AHU-5	MECHANICAL EQUIPMENT ROOM K201/L201	WRESTLING	MIXING BOX	AF-5	FUTURE COOLING COIL	HC-5	SF-5	84	HV-1C	CAH008GHAM	

NOTE:
1. MODULES SELECTED BASED ON DAIKIN INDOOR MODULAR AIR HANDLING UNIT.
2. POSITION NUMBERS ARE INDICATED IN THE DIRECTION OF AIRFLOW FROM RETURN AIR INLET TO SUPPLY AIR DISCHARGE.

AIR-COOLED CONDENSING UNIT SCHEDULE

UNIT IDENTIFICATION	SYSTEM SERVED	TOTAL CAPACITY MBH	MINIMUM EER	REFRIGERATION TYPE	NUMBER OF CIRCUITS	NUMBER OF CONTROL STAGES	CONDENSER		SUCTION TEMPERATURE °F	CONDENSER FAN		COMPRESSOR		MODULATION/ CONTROL TYPE	ELECTRICAL					MODEL NUMBER	REMARKS
							DESIGN AMBIENT TEMPERATURE °F	MINIMUM AMBIENT TEMPERATURE °F		QUANTITY	HP EACH	NUMBER OF COMPRESSORS	TYPE OF COMPRESSOR		VOLTS	PHASE	FLA	MOP	OPTIONS/ ACCESSORIES		
CU-1	AHU-3	72.8	11.9	R-410A	1	1	95	45	45	1	–	1	SCROLL	AUTO	460	3	15	25	---	RCS06F078D	

NOTE:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE DAIKIN UNLESS OTHERWISE NOTED.
3. REFER TO AIR HANDLING UNIT DIRECT EXPANSION COOLING COIL SCHEDULE FOR ASSOCIATED COOLING COIL.
4. EFFICIENCY RATING SHALL BE IN ACCORDANCE WITH ARI-STANDARD 340/360-2004.

AIR HANDLING UNIT SUPPLY AIR FAN SCHEDULE

UNIT IDENTIFICATION	SYSTEM SERVED	TYPE	AIRFLOW CFM	MINIMUM OUTSIDE AIR FLOW CFM	E.S.P. IN. W.G.	SUCTION OR DISCHARGE S.P. IN. W.C. AT COOLING COIL DRAIN PAN	T.S.P. IN. W.G.	MINIMUM WHEEL DIAMETER INCHES	RPM	OUTLET VELOCITY FPM	FAN CLASS	MOTOR				MODULATION/ CONTROL TYPE	ELECTRICAL			MAXIMUM SOUND POWER LEVELS														REMARKS
												BHP	HP	RPM	DRIVE TYPE		VOLTS	PHASE	OPTIONS/ ACCESSORIES	UNIT DISCHARGE Lw BY OCTAVE BAND								UNIT INLET Lw BY OCTAVE BAND								CASING RADIATED Lw BY OCTAVE BAND								
																				63 HZ (DB)	125 HZ (DB)	250 HZ (DB)	500 HZ (DB)	1000 HZ (DB)	2000 HZ (DB)	4000 HZ (DB)	8000 HZ (DB)	63 HZ (DB)	125 HZ (DB)	250 HZ (DB)	500 HZ (DB)	1000 HZ (DB)	2000 HZ (DB)	4000 HZ (DB)	8000 HZ (DB)	63 HZ (DB)	125 HZ (DB)	250 HZ (DB)	500 HZ (DB)	1000 HZ (DB)	2000 HZ (DB)	4000 HZ (DB)	8000 HZ (DB)	
SF-1	AHU-1	FORWARD CURVED DWDI	10850	2700	1.0		2.89	24	1411	1541	CENTRIFUGAL	6.97	7.5	1750	BELT	AUTO	460	3	---	99	94	93	88	85	79	75	71	89	84	75	71	68	62	55	51	89	84	75	67	63	51	46	51	
SF-2	AHU-2	FORWARD CURVED DWDI	11300	2825	1.0		2.90	24	1440	1605	CENTRIFUGAL	7.40	10	1750	BELT	AUTO	460	3	---	99	94	93	88	85	79	75	71	89	84	75	71	68	62	55	51	89	84	75	67	63	51	46	51	
SF-3	AHU-3	FORWARD CURVED DWDI	2150	525	1.7		3.32	9.5	2075	2216	CENTRIFUGAL	2.29	3	1750	BELT	AUTO	460	3	---	83	83	80	79	79	80	77	74	73	73	65	65	64	65	59	54	73	73	62	58	57	52	46	51	
SF-4	AHU-4	FORWARD CURVED DWDI	5450	1800	1.8		3.81	14.5	2980	1892	CENTRIFUGAL	5.75	7.5	1750	BELT	AUTO	460	3	---	96	96	91	92	86	85	81	80	86	86	73	75	69	68	61	57	86	86	73	71	64	57	46	51	
SF-5	AHU-5	FORWARD CURVED DWDI	3600	900	1.0		3.02	12.6	1750	2449	CNTRIFUGAL	3.03	5	1750	BELT	AUTO	460	3	---	85	90	85	82	87	83	78	77	75	80	67	65	70	66	58	54	75	80	67	61	65	55	46	51	

NOTE:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE DAIKIN UNLESS OTHERWISE NOTED.
3. DESIGN MINIMUM OUTSIDE AIRFLOW CFM (VENTILATION) LISTED IS BASED ON THE ESTIMATED MAXIMUM OCCUPANT LOAD. REFER TO TEMPERATURE CONTROL DRAWINGS FOR OUTSIDE AIR CONTROL SEQUENCE.
4. REFER TO AIR HANDLING UNIT FILTER SCHEDULE FOR AIR PRESSURE DROP TO BE USED FOR TOTAL STATIC PRESSURE CALCULATIONS.

AIR HANDLING UNIT FILTER SCHEDULE

UNIT I.D.	SYSTEM SERVED	TYPE	AIRFLOW CFM	AIR PRESS. DROP		EFFICIENCIES		FILTER MEDIA					HOUSING				REMARKS
				INITIAL IN. W.G.	DIRTY IN. W.G.	MERV	D.S. %	QUAN.	WIDTH IN.	HEIGHT IN.	DEPTH IN.	MIN. MEDIA FACE AREA SQ. FT.	ACCESS TYPE	WIDTH IN.	HEIGHT IN.	DEPTH IN.	
AF-1	AHU-1	PLEATED	10850	0.25	1.0	8	65	1 3 1 3	24 20 24 20	24 24 20 20	4 4 4 4	24.4	SIDE	86	52	20	
AF-2	AHU-2	PLEATED	11300	0.25	1.0	8	65	1 3 1 3	24 20 24 20	24 24 20 20	4 4 4 4	24.4	SIDE	88	52	20	
AF-3	AHU-3	PLEATED	2150	0.25	1.0	8	65	1 1	24 12	24 24	4 4	5.6	SIDE	40	34	12	
AF-4	AHU-4	PLEATED	5450	0.25	1.0	8	65	2 1 1 1	24 24 20 12	12 24 24 24	4 4 4 4	12.5	SIDE	60	42	16	
AF-5	AHU-5	PLEATED	3600	0.25	1.0	8	65	2 1	20 12	24 24	4 4	8.2	SIDE	56	34	12	

NOTE:
1. MODEL NUMBERS ARE FARR UNLESS OTHERWISE NOTED.
2. PROVIDE 25% TO 30% EFFICIENT 2 INCH THROW AWAY PREFILTERS
3. MERV DESIGNATES THE "MINIMUM EFFICIENCY REPORTING VALUE" AS EVALUATED UNDER ASHRAE STANDARD 52.2 1999.
4. AIR HANDLING UNIT TOTAL STATIC PRESSURE FOR VARIABLE AIR VOLUME SYSTEMS IS BASED ON THE FILTER DIRTY AIR PRESSURE DROP AND AVERAGE/MIDLIFE FILTER AIR PRESSURE DROP FOR CONSTANT VOLUME SYSTEMS UNLESS NOTED OTHERWISE.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

UNIT IDENTIFICATION	TYPE	FACE SIZE	NECK SIZE	FRAME TYPE	ACCESSORY	CONSTRUCTION	FINISH	MODEL NUMBER	REMARKS
S-1	DIFFUSER	24x24	SEE PLANS	LAY IN	---	STEEL	WHITE	OMNI	
R-1	GRILLE	24x24	22x22	LAY IN	---	STEEL	WHITE	PAR	
R-2	GRILLE	24x24	22x22	SURFACE MOUNT	---	STEEL	WHITE	PAR	

NOTE:
1. MODEL NUMBERS ARE TITUS UNLESS OTHERWISE NOTED.

HOT WATER HEATING COIL SCHEDULE

UNIT IDENTIFICATION	SYSTEM SERVED	MAXIMUM NUMBER ROWS	MAXIMUM FIN DENSITY FINS/INCH	CAPACITY MBH	AIR				MINIMUM FACE AREA SQ. FT.	WATER				CONTROL VALVE W.P.D. FT. HD.	MODEL NUMBER	REMARKS
					AIRFLOW CFM	E.D.B. °F	L.D.B. °F	MAXIMUM A.P.D. IN. W.G.		FLOW GPM	E.W.T. °F	L.W.T. °F	MAXIMUM W.P.D. FT. HEAD			
HC-1	AHU-1	2	14	714	10850	50	110.2	0.27	20.40	35.6	180	139.8	3.1	11.55	5WH1402B	
HC-2	AHU-2	2	14	743	11300	50	110.2	0.28	21.0	37.1	180	139.9	3.4	11.55	5WH1402B	
HC-3	AHU-3	3	8	144	2150	50	111.2	0.22	4.5	7.1	180	139.2	1.4	11.55	5WQ0803B	
HC-4	AHU-4	2	13	367.0	5450	45	106.6	0.42	10.1	17.9	180	138.9	1.0	11.55	5WH1302C	
HC-5	AHU-5	2	13	239.8	3600	50	110.9	0.42	6.67	11.8	180	139.4	0.7	11.55	5WH1302C	

NOTE:
1. MODEL NUMBERS ARE DAIKIN UNLESS OTHERWISE NOTED.
2. COIL SELECTION BASED ON .00025 FOULING FACTOR.
3. COIL SELECTIONS SHALL BE BASED ON [25%] [30%] [40%] [ETHYLENE] [PROPYLENE] GLYCOL SOLUTION.

DIRECT EXPANSION COOLING COIL SCHEDULE

UNIT IDENTIFICATION	SYSTEM SERVED	ASSOCIATED CONDENSING UNIT	REFRIGERANT TYPE	MINIMUM NUMBER ROWS	TOTAL CAPACITY MBH	AIR						MINIMUM FACE AREA SQ. FT.	FACE VELOCITY FPM	FINS PER INCH	COIL SUCTION TEMPERATURE °F	NUMBER OF CIRCUITS	MODEL NUMBER	REMARKS
						AIRFLOW CFM	E.D.B. °F	E.W.B. °F	L.D.B. °F	L.W.B. °F	MAXIMUM A.P.D. IN. W.G.							
CC-1	AHU-3	CU-1	R-410A	6	79	2150	82.3	67.8	58.8	56.3	0.62	4.5	478	7	46.0	1	5EN0706B	

NOTE:
1. MODEL NUMBERS ARE BASED ON DAIKIN UNLESS OTHERWISE NOTED.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

MECHANICAL SCHEDULES

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN ZAV
CHECKED GRN
APPROVED RNR

PROJECT NO.
13083E

DRAWING NO.
M7.2

PUMP SCHEDULE

UNIT IDENTIFICATION	SYSTEM SERVED	LOCATION	TYPE	COUPLING TYPE	WATERFLOW GPM	FLUID TYPE	COLDEST SYSTEM OPERATING TEMP. °F FOR PUMP SELECTION	PUMP HEAD FT.	OVERLOAD GPM	MINIMUM EFFICIENCY %	MOTOR			MODULATION/ CONTROL TYPE	ELECTRICAL			MODEL NUMBER	REMARKS
											BHP	HP	RPM		VOLTS	PHASE	OPTIONS/ ACCESSORIES		
CP-1	HWH AHU-1	MEZZANINE L201	INLINE	CLOSE	35.6	WATER	40	20	NON-OVERLOADING	59.45	0.29	0.5	1725	AUTO	460	3	-	E-90 1.5AAB	
CP-2	HWH AHU-2	MEZZANINE L201	INLINE	CLOSE	37.1	WATER	40	20	NON-OVERLOADING	59.85	0.30	0.5	1725	AUTO	460	3	-	E-90 1.5AAB	
CP-3	HWH AHU-3	MEZZANINE L201	INLINE	CLOSE	7.1	WATER	40	20	NON-OVERLOADING	29.46	0.11	0.33	1725	AUTO	460	3	-	E-90 1AAB	
CP-4	HWH AHU-4	MEZZANINE L201	INLINE	CLOSE	17.9	WATER	40	20	NON-OVERLOADING	46.04	0.18	0.33	1725	AUTO	460	3	-	E-90 1AAB	
CP-5	HWH AHU-5	MEZZANINE L201	INLINE	CLOSE	11.8	WATER	40	20	NON-OVERLOADING	36.96	0.14	0.33	1725	AUTO	460	3	-	E-90 1AAB	

NOTE:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBER ARE BELL & GOSSETT UNLESS OTHERWISE NOTED.
3. FLUID TYPE: W = WATER, PGXX = PROPYLENE GLYCOL SOLUTION XX PERCENTAGE OF GLYCOL, EGXX = ETHYLENE GLYCOL SOLUTION XX PERCENTAGE OF GLYCOL.

POWER VENTILATOR SCHEDULE

NEW UNIT IDENTIFICATION	EQUIPMENT CONDITION	EXISTING UNIT IDENTIFICATION	BUILDING PHASE	AREA SERVED	TYPE	AIRFLOW CFM	T.S.P. IN. W.G.	TIP SPEED FPM	FAN RPM	MOTOR				CURB HEIGHT INCHES	MODULATION/ CONTROL TYPE	ELECTRICAL			MAXIMUM SOUND POWER LEVELS													MODEL NUMBER	REMARKS
										BHP	HP	RPM	DRIVE TYPE			VOLTS	PHASE	OPTIONS/ ACCESSORIES	UNIT DISCHARGE Lw BY OCTAVE BAND								UNIT INLET Lw BY OCTAVE BAND									
																			63 HZ (DB)	125 HZ (DB)	250 HZ (DB)	500 HZ (DB)	1000 HZ (DB)	2000 HZ (DB)	4000 HZ (DB)	8000 HZ (DB)	63 HZ (DB)	125 HZ (DB)	250 HZ (DB)	500 HZ (DB)	1000 HZ (DB)	2000 HZ (DB)	4000 HZ (DB)	8000 HZ (DB)		
1	ORIGINAL	RF 1-1	2	CORRIDOR 113		3000	0.25				1/3					115	1																
2	ORIGINAL	RF 1-2	2	CORRIDOR 113		3000	0.25				1/3					115	1																
3	ORIGINAL	RF 1-3	2	CORRIDOR 130		1600	0.25				1/4					115	1																
4	ORIGINAL	RF 1-4	2	OFFICE 139		3000	0.25				1/3					115	1																
5	REPLACED	RF 1-5	2	CUSTODIAL 134		600	0.25				1/6					115	1																
6	REPLACED	RF 2-1	2	TOILET ROOMS 208, 209		1000	0.25				1/6					115	1																
7	ORIGINAL	RF 2-2	2	PASSAGE 223-B		3000	0.25				1/3					115	1																
8	REPLACED	RF 2-3	2	TOILET 217		1000	0.25				1/6					115	1																
9	ORIGINAL	RF 2-4	2	DATA ROOM 214		3000	0.25				1/3					115	1																
10	REPLACED	RF 2-5	2	TOILET ROOMS 232, 233		1000	0.25				1/6					115	1																
11	ORIGINAL	RF 2-6	2	CLOTHING LAB 228		1200	0.25				1/6					115	1																
12	ORIGINAL	RF 2-7	2	FOOD LAB 227		1200	0.25				1/6					115	1																
13	ORIGINAL	RF 2-8	2	INDUSTRIAL EDUCATION 244		2000	0.25				1/4					115	1																
14	ORIGINAL	RF 2-9	2	FUME HOOD 244		3000	0.375				1/2					115	1																
15	ORIGINAL	RF 3-1	2	DARK ROOM 322		500	0.375				1/6					115	1																
16	REPLACED	RF 3-2	2	BOYS 363		900	0.25				1/6					115	1																
17	ORIGINAL	RF 3-3	2	TEACHERS LOUNGE 318		900	0.375				1/4					115	1																
18	ORIGINAL	RF 4-1	2	WARMING KIT 429		1200	0.375				1/4					115	1																
19	ORIGINAL	RF 4-2	2	TRASH 428 AND STORAGE 427		800	0.25				1/6					115	1																
20	REPLACED	RF 4-3	2	CUSTODIAL LOCKER 425		2000	0.375				1/3					115	1																
21	REPLACED	RF 4-4	2	SERVING 415		2000	0.25				1/4					115	1																
22	REPLACED	RF 4-5	2	FACULTY DINING 414		2000	0.25				1/4					115	1																
23	REPLACED	RF 4-6	2	DISHWASHER HOOD		800	0.375				1/3					115	1																
24	REPLACED	RF 4-7	2	TOILET ROOM 418, 419		1000	0.375				1/4					115	1																
25	ORIGINAL	RF 5-1	2	CORRIDOR 551		3000	0.25				1/3					115	1																
26	ORIGINAL	RF 5-2	2	PREPARATION 521		1800	0.375				1/3					115	1																
27	ORIGINAL	RF 5-3	2	CORRIDOR 551		3000	0.25				1/3					115	1																
28	ORIGINAL	RF 5-4	2	CORRIDOR 578		3000	0.25				1/3					115	1																
29	ORIGINAL	RF 5-5	2	CORRIDOR 578		3000	0.25				1/3					115	1																
30	ORIGINAL	RF 6-1	2	STUDENT COMM. 601		2200	0.25				1/4					115	1																
31	ORIGINAL	RF 6-2	2	ELECTRICAL AREA 603		1000	0.25				1/6					115	1																
32	REPLACED	RF 7-1	2	SHOP AREA		2000	0.25				1/4					115	1																
33	ORIGINAL	RF 7-2	2	SHOP AREA		2000	0.25				1/4					115	1																
34	ORIGINAL	RF-1A	3	INSTRUMENTAL A101		2000	0.125				1/4					115	1																
35	ORIGINAL	RF-2A	3	TOILET ROOM A123		100	0.125				1/25					115	1																
36	ORIGINAL	RF-3A	3	VOCAL A125		1500	0.125				1/6					115	1																
37	ORIGINAL	RF-4A	3	TOILET ROOM A129, A133		1000	0.125				1/6					115	1																
38	ORIGINAL	RF-5A	3	CONCESS A127		400	0.125				1/6					115	1																
39	ORIGINAL	RF-1B	3	DRY TOILETS B138, B141		700	0.125				1/6					115	1																
40	ORIGINAL	RF-2B	3	GIRLS LOCKER B133		1900	0.125				1/6					115	1																
41	ORIGINAL	RF-3B	3	NATATORIUM B101		3000	0.125				1/3					115	1																
42	ORIGINAL	RF-4B	3	NATATORIUM B101		3000	0.125				1/3					115	1																
43	ORIGINAL	RF-5B	3	GYMNASIUM B153		2500	0.125				1/3					115	1																
44	ORIGINAL	RF-6B	3	GYMNASIUM B153		2000	0.125				1/4					115	1																
45	ORIGINAL	RF-7B	3	GYMNASIUM B153		2000	0.125				1/4					115	1																
46	ORIGINAL	RF-8B	3	BOYS LOCKER B117		1950	0.125				1/6					115	1																
47	ORIGINAL	RF-9B	3	DRY TOILETS B108, B111		800	0.125				1/6					115	1																
48	ORIGINAL	RF-10B	3	TOILET ROOM B156		150	0.125				1/25					115	1																
49	ORIGINAL	RF-11B	3	ELECTRICAL B103		1200	0.125				1/4					115	1																
50	ORIGINAL	RF-1C	3	WRESTLING C104		1800	0.125				1/4					115	1																
51	ORIGINAL	RF-2C	3	GYMNASTICS C105		200	0.125				1/4					115	1																
52	ORIGINAL	RF-3C	3	HANDBALL C101, C102		1600	0.125				1/6					115	1																
53	ORIGINAL	RF-4C	3	ACTIVITY ROOM C103, C107		1600	0.125				1/6					115	1																

NOTE:
1. REFER TO SCHEDULES GENERAL NOTES.
2. MODEL NUMBERS ARE GREENHECK UNLESS OTHERWISE NOTED.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

MECHANICAL SCHEDULES

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN ZAV
CHECKED GRN
APPROVED RNR

PROJECT NO.

13083E

DRAWING NO.

M7.3

TEMPERATURE CONTROL - SYMBOLS LIST

SCHEMATIC SYMBOLS

SYMBOL	DESCRIPTION
AQ	AQUASTAT, STRAP ON BULB
CS	CURRENT SWITCH
	DAMPER – OPPOSED BLADE
	DAMPER – PARALLEL BLADE
M	DAMPER MOTOR
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
DPS	DIFFERENTIAL PRESSURE SWITCH
CM	FIRE ALARM SYSTEM, ADDRESSABLE CONTROL MODULE
FZ	FREEZESTAT
	GUARD FOR STAT OR SENSOR
H	HUMIDITY SENSOR, DUCT MOUNTED
	LINE – ELECTRIC
	LINE – PNEUMATIC
M/S	MOTOR STARTER
OS	OCCUPANCY SENSOR
R	RELAY, ELECTRIC
AI	SIGNAL – DDC/BAS, ANALOG INPUT
AO	SIGNAL – DDC/BAS, ANALOG OUTPUT
DI	SIGNAL – DDC/BAS, DIGITAL INPUT
DO	SIGNAL – DDC/BAS, DIGITAL OUTPUT
AI	SIGNAL – PACKAGED EQUIPMENT, ANALOG INPUT
AO	SIGNAL – PACKAGED EQUIPMENT, ANALOG OUTPUT
DI	SIGNAL – PACKAGED EQUIPMENT, DIGITAL INPUT
DO	SIGNAL – PACKAGED EQUIPMENT, DIGITAL OUTPUT

NOTE: REFER TO MECHANICAL STANDARDS ON DRAWING M0.1 FOR ADDITIONAL SYMBOLS & ABBREVIATIONS THAT MAY BE USED ON TEMPERATURE CONTROL DRAWINGS.

SCHEMATIC SYMBOLS (CONT.)

SYMBOL	DESCRIPTION
DD	SMOKE DETECTOR – DUCT MOUNTED
SD	SMOKE DETECTOR – SPACE MOUNTED
S/S	START/STOP RELAY
SPT	STATIC PRESSURE TRANSMITTER
SP	STATIC PRESSURE SENSOR OR PROBE
SW	SWITCH
T	TEMPERATURE SENSOR – RIGID ELEMENT IN WELL
T	TEMPERATURE SENSOR – DUCT MOUNTED AVG ELEMENT
T	TEMPERATURE SENSOR – DUCT MOUNTED RIGID ELEMENT
T	THERMOSTAT OR TEMPERATURE SENSOR (AS DEFINED ON TC DRAWINGS)
XF	TRANSFORMER
	VALVE – 2 WAY CONTROL VALVE
	VALVE – 3 WAY CONTROL VALVE
VFC	VARIABLE FREQUENCY CONTROLLER

WIRING SYMBOLS

SYMBOL	DESCRIPTION
M/S	COIL – MOTOR STARTER CONTACTOR
	COIL – EP OR SOLENOID VALVE
	CONTACT – INSTANT OPERATING, NO
	CONTACT – INSTANT OPERATING, NC
	GROUND
	MOTOR, SINGLE PHASE

WIRING SYMBOLS (CONT.)

SYMBOL	DESCRIPTION
O H A	SWITCH – 3 POSITION SELECTOR HAND/OFF/AUTO
	SWITCH – MANUAL SPST, NO
	SWITCH – MANUAL SPST, NC
	SWITCH – MANUAL SPDT
	SWITCH – PRESSURE & VACUUM, NO
	SWITCH – PRESSURE & VACUUM, NC
	SWITCH – TEMPERATURE ACTUATED, NO
	SWITCH – TEMPERATURE ACTUATED, NC
	THERMAL OVERLOAD, SINGLE PHASE
OL'S	THERMAL OVERLOAD CONTACTS – 3 PHASE
	TRANSFORMER
	WIRE TERMINATION AT DEVICE
	WIRE TO WIRE TERMINATION
	WIRING NOT CONNECTED

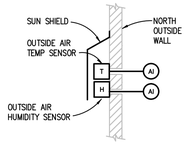
WIRING TERMS

ABBREVIATION	DESCRIPTION
SPST	SINGLE POLE SINGLE THROW
SPDT	SINGLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DPDT	DOUBLE POLE DOUBLE THROW
NO	NORMALLY OPEN
NC	NORMALLY CLOSED

NOTE: SOME SYMBOLS & ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.

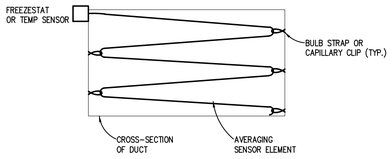
ABBREVIATION LIST

ABBREVIATION	DESCRIPTION
AAV	AUTOMATIC AIR VENT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AMP	AMPERE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION
AUX	AUXILIARY
BAS	BUILDING AUTOMATION SYSTEM
C	COMMON
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
CLP	COMPUTER LOOP PUMP
CLR	COMPUTER LOOP RETURN
CLS	COMPUTER LOOP SUPPLY
CO2	CARBON DIOXIDE
COND	CONDENSATE
CONT	CONTINUATION OR CONTINUED
CONTR	CONTRACTOR
CONV	CONVECTOR
COS	CENTRAL OPERATOR STATION
CP	CIRCULATING PUMP
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CW	DOMESTIC COLD WATER
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DA	DISCHARGE AIR
DAT	DISCHARGE AIR TEMPERATURE
DB	DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES
DMPR	DAMPER
D/N	DAY/NIGHT
DN	DOWN
DPR	DAMPER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECUH	ELECTRIC CABINET UNIT HEATER
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
EHC	ELECTRIC HEATING COIL
ELEC	ELECTRICAL
ERCP	ELECTRIC RADIANT CEILING PANEL
ERU	ENERGY RECOVERY UNIT
EUH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
°F	DEGREES FAHRENHEIT
F&B	FACE AND BYPASS DAMPER
FAS	FIRE ALARM SYSTEM
FCU	FAN COIL UNIT
FLR	FLOOR
FM	FLOW MEASURING DEVICE
FT	FEET
FTR	FINNED TUBE RADIATION
GPM	GALLONS PER MINUTE
GRH	GRAVITY RELIEF HOOD
HOA	HAND/OFF/AUTO
HP	HEAT PUMP
HP	HORSEPOWER
HPLP	HEAT PUMP LOOP PUMP
HPLR	HEAT PUMP LOOP RETURN
HPLS	HEAT PUMP LOOP SUPPLY
HR	HOUR
HTG	HEATING
HV	HEATING VENTILATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWH	HOT WATER HEATING
HWHR	HOT WATER HEATING RETURN
HWHS	HOT WATER HEATING SUPPLY
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
HX	HEAT EXCHANGER
IAQ	INDOOR AIR QUALITY
IN	INCHES
JC	JANITOR'S CLOSET
KW	KILOWATT
KWH	KILOWATT-HOUR
LBS/HR	POUNDS PER HOUR
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MMBH	MILLION BRITISH THERMAL UNITS PER HOUR
M/S	MOTOR STARTER
MTD	MOUNTED
MTR	MOTOR
MV	MANUAL AIR VENT
MZ	MULTI-ZONE
NC	NORMALLY CLOSED
NCTC	NORMALLY CLOSED TIMED CLOSED
NCTO	NORMALLY CLOSED TIMED OPEN
NIC	NOT IN CONTRACT
NFPA	NATIONAL FIRE PROTECTION AGENCY
NO	NORMALLY OPEN
NOTC	NORMALLY OPEN TIMED CLOSED
NOTO	NORMALLY OPEN TIMED OPEN
NSB	NIGHT SETBACK
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
PACU	PACKAGED AIR CONDITIONING UNIT
PD	PRESSURE DROP (FEET OF WATER)
PHR	PERIMETER HEAT RETURN
PHS	PERIMETER HEAT SUPPLY
PNL	PANEL
PPM	PARTS PER MILLION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
R	RETURN
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RCP	RADIANT CEILING PANEL
RELA	RELIEF AIR
REQD	REQUIRED
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SF	SUPPLY FAN
SP	STATIC PRESSURE
S/S	START/STOP
STD	STANDARD
STM	STEAM
SZ	SINGLE-ZONE
S/W	SUMMER/WINTER
SW	SWITCH
TC	TEMPERATURE CONTROL
TCP	TEMPERATURE CONTROL PANEL
TEMP	TEMPERATURE
THR	TERMINAL HEATING RETURN
THS	TERMINAL HEATING SUPPLY
TSP	TOTAL STATIC PRESSURE
TU	(AIR) TERMINAL UNIT
TYP	TYPICAL
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VFC	VARIABLE FREQUENCY CONTROLLER
VUV	VERTICAL UNIT VENTILATOR
WC	WATER COLUMN
XFMR	TRANSFORMER



OA SENSOR INSTALLATION DETAIL

NO SCALE



AVERAGING ELEMENT INSTALLATION DETAIL

TYPICAL

GENERAL NOTES

1. THESE GENERAL NOTES SHALL BE APPLICABLE FOR ALL TC DRAWINGS.
2. "PROVIDE" IS DEFINED AS "FURNISH AND INSTALL".
3. TC CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS.
4. FOR TEMPERATURE CONTROL DRAWINGS ONLY: ALL DETAILED INFORMATION IDENTIFIED WITH HEAVY LINE WEIGHT SHALL BE PROVIDED BY TC CONTRACTOR. ALL OTHER INFORMATION IDENTIFIED WITH LIGHT LINE WEIGHT SHALL BE PROVIDED BY OTHER TRADES.
5. ALL CONTROL SCHEMATICS AND WIRING DIAGRAMS ARE FOR THE CLARIFICATION OF EQUIPMENT INTERLOCKING FUNCTIONS AND THE INTERFACE OF VARIOUS CONTRACTORS'S WORK AND SHALL NOT BE MISTAKEN AS SHOP DRAWINGS FOR ACTUAL INSTALLATION.
6. TC CONTRACTOR SHALL PROVIDE DDC CONTROLLERS AS REQUIRED TO MEET INTENT OF DESIGN DOCUMENTS. REFER TO THE PLANS FOR THE DDC FUNCTIONS THAT APPLY TO EACH MECHANICAL SYSTEM.
7. ALL TC PROVIDED COMPONENTS AND ALL TC CONTRACTOR INSTALLED WIRING SHALL BE LABELED PER SPECIFICATIONS.
8. ALL WIRING AND SYSTEM CONTROL VOLTAGES SHALL BE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATION AND THE ELECTRICAL SPECIFICATIONS.
9. VARIABLE FREQUENCY CONTROLLER, FAN AND PUMP MOTOR STARTERS, STARTER WIRING, CONTROL VOLTAGE TRANSFORMERS AND ASSOCIATED POWER WIRING SHALL BE PROVIDED BY OTHER TRADES.
10. DUCT SMOKE DETECTORS SHALL BE FURNISHED, INSTALLED AND WIRED TO THE FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR. ELECTRICAL SHALL PROVIDE FIRE ALARM SYSTEM CONTROL MODULES FOR REQUIRED SAFETIES TO MOTOR STARTERS OR VFCs AS INDICATED. CONTROL MODULES SHALL BE LOCATED NEAR RESPECTIVE MOTOR STARTERS OR VFCs. TC CONTRACTOR SHALL PROVIDE INTERLOCK WIRING FROM CONTROL MODULES TO MOTOR STARTERS OR VFCs.
11. ALL DDC AND CONTROL INTERLOCK WIRING SHALL BE BY TC CONTRACTOR UNLESS OTHERWISE NOTED. TC CONTRACTOR SHALL COORDINATE WITH VFC AND MOTOR STARTER SUPPLIERS TO DETERMINE EXACT WIRING REQUIREMENTS AND TERMINATION POINTS.
12. ALL DDC AND CONTROL INTERLOCK WIRING BETWEEN COMPONENTS SHALL BE INSTALLED WITHOUT INTERMEDIATE STOPS. WIRE SPLICING AT INTERMEDIATE TERMINAL STRIPS IS NOT ACCEPTABLE.
13. ALL ELECTRICAL WIRING AND RACEWAY SYSTEMS SHALL COMPLY WITH ELECTRICAL SPECIFICATION REQUIREMENTS. WHERE RACEWAY IS REQUIRED, TWO SEPARATE ELECTRICAL RACEWAY SYSTEMS SHALL BE PROVIDED: ONE FOR 120V WIRING AND THE OTHER FOR 24V WIRING.
14. TC CONTRACTOR SHALL COORDINATE ALL GRAPHICS PROVIDED AT THE BAS FRONT-END SYSTEM WITH THE OWNER FOR POINT NAMING AND COLOR CONVENTIONS.
15. TC CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER SUPPLIES REQUIRED FOR TC SYSTEM UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL PANEL SCHEDULES FOR SPARE CIRCUITS OR CIRCUITS DEDICATED TO TEMPERATURE CONTROLS. COORDINATE CIRCUIT USE WITH ELECTRICAL CONTRACTOR.
16. TC CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL FIELD MOUNTED COMPONENTS.
17. THERMOSTATS AND SPACE TEMPERATURE SENSORS SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. PROVIDE GUARDS FOR SPACE TEMP SENSORS LOCATED IN PUBLIC AREA.
18. TC CONTRACTOR SHALL PROVIDE AUXILIARY PANELS FOR REQUIRED PANEL MOUNTED EQUIPMENT SUCH AS RELAYS, TRANSDUCERS, CONTROL TRANSFORMERS, ETC. AUXILIARY PANELS SHALL BE LOCATED NEXT TO ASSOCIATED DDC PANEL.
19. REMOTELY MOUNTED FIELD DEVICES SUCH AS RELAYS, CONTROL TRANSFORMERS, ETC., SHALL BE HOUSED IN AN ENCLOSURE PROVIDED BY THE TC CONTRACTOR.
20. CONTROL TRANSFORMERS WHEN REQUIRED SHALL BE SIZED FOR 150% OF ACTUAL LOAD.
21. FREEZESTATS SHALL BE MOUNTED ON UPSTREAM FACE OF COOLING COILS. FREEZESTAT QUANTITY SHALL BE ONE PER 20 SQ. FT OF CROSS SECTIONAL AREA.
22. CURRENT SWITCHES USED FOR OPERATIONAL STATUS SHALL HAVE CURRENT THRESHOLD SETPOINT ADJUSTED TO INDICATE BELT OR DRIVE FAILURE.
23. ALL CONTROL VALVES, CONTROL DAMPERS AND ASSOCIATED CONTROL ACTUATORS IDENTIFIED ON TC DRAWINGS SHALL BE FURNISHED BY TC CONTRACTOR UNLESS OTHERWISE NOTED. DAMPER SIZE AND LOCATIONS ARE INDICATED ON MECHANICAL FLOOR PLAN DRAWINGS.
24. ALL CONTROL VALVES AND DAMPERS FURNISHED BY THE TC CONTRACTOR SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. ALL PIPE PENETRATIONS AND BASIC FITTINGS REQUIRED FOR SENSOR INSTALLATIONS SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
25. DAMPER ACTUATORS SHALL BE INSTALLED BY TC CONTRACTOR UNLESS OTHERWISE INDICATED.
26. ALL INSTRUMENTATION TUBING REQUIRED FOR DPS AND DPT COMPONENT INSTALLATIONS SHALL BE PROVIDED BY TC CONTRACTOR.
27. TC CONTRACTOR SHALL FIELD MOUNT ALL REQUIRED PACKAGED CONTROL COMPONENTS FURNISHED BY EQUIPMENT SUPPLIERS WHERE INDICATED. ALL REQUIRED 24V AND 120V FIELD WIRING SHALL BE PROVIDED BY TC CONTRACTOR UNLESS NOTED OTHERWISE. TC CONTRACTOR SHALL COORDINATE SPECIFIC SYSTEM WIRING REQUIREMENTS WITH PACKAGED EQUIPMENT SUPPLIERS.

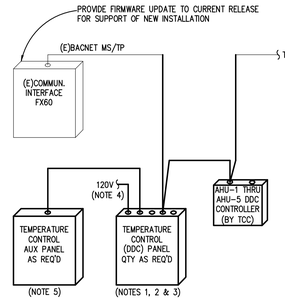
CURRENT SWITCH INSTALLATION DETAIL

NOTES:

1. FAN AND PUMP STATUS SHALL BE PROVEN BY CURRENT SWITCHES INDICATION BY DDC TO THE BAS.
2. INSTALL CURRENT SWITCH ON MOTOR LEADS. CURRENT SWITCH SHALL BE ADJUSTED TO MEET THE CURRENT DRAW REQUIRED TO DETECT FAN BELT OR VFC LOSS OR PUMP COUPLING DETACHMENT OR VFC LOSS.

SEQUENCE OF OPERATION

1. ALL DELAY TIMERS DESCRIBED IN THE SEQUENCE SHALL BE ADJUSTABLE BY SYSTEM OPERATORS (CREATE REQUIRED VIRTUAL POINTS).
2. UPON FAN OR PUMP MOTOR START AND AFTER 120 SECOND (ADJUSTABLE) DELAY BY DDC, IF THE CURRENT DRAW IS NOT APPROPRIATE, DDC SHALL ALARM THE MOTOR STATUS POINT. WHEN MOTOR IS ON AND NOT IN ALARM, DDC SHALL TOTALIZE RUN TIME HOURS FOR BAS USE.
3. UPON FAN OR PUMP MOTOR STOP AND AFTER 120 SECOND (ADJUSTABLE) DELAY BY DDC, IF THE CURRENT DRAW IS NOT ZERO, DDC SHALL ALARM THE MOTOR STATUS POINT.



DDC SYSTEM ARCHITECTURE

TYPICAL – NO SCALE

NOTES:

1. EXISTING BUILDING AUTOMATION SYSTEM IS JCI METASYS SYSTEM. NEW DDC SYSTEM COMPONENTS SHALL BE CONNECTED TO NEW NETWORK COMMUNICATIONS. TC CONTRACTOR SHALL UPGRADE THE EXISTING FRONT-END BAS HARDWARE/SOFTWARE AS NECESSARY TO ACCOMMODATE NEW WORK AND PROVIDE GRAPHICS PER SPECIFICATION FOR NEW EQUIPMENT.
2. REFER TO TEMPERATURE CONTROL SCHEMATICS FOR THE REQUIRED POINTS ASSOCIATED FOR EACH SYSTEM.
3. TC CONTRACTOR SHALL DETERMINE DDC PANEL QUANTITY AND LOCATIONS BASED ON POINT DENSITIES AND AVAILABLE MOUNTING SPACE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND COORDINATE WITH OTHER TRADES.
4. TC CONTRACTOR SHALL PROVIDE REQUIRED POWER SUPPLIES FOR TEMPERATURE CONTROL SYSTEM COMPONENTS.
5. AUXILIARY PANEL FOR GAUGES, TRANSMITTERS, RELAYS, POWER TRANSFORMERS, ETC.
6. SEE MECHANICAL PLANS AND SCHEDULES FOR LOCATIONS AND QUANTITIES.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN ZAV
CHECKED GRN
APPROVED RNR

PROJECT NO.

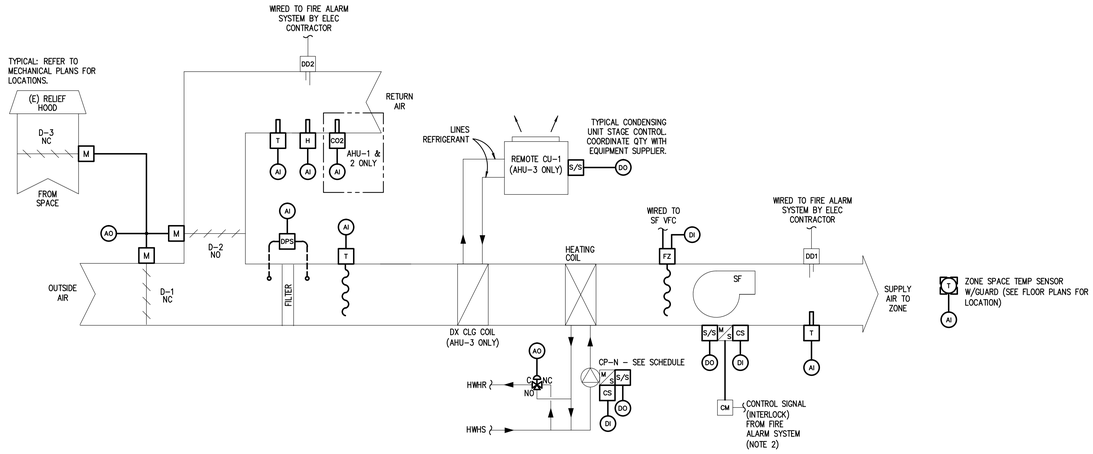
13083E

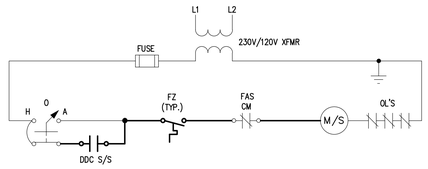
DRAWING NO.

M8.1

TC GENERAL NOTES

TC GENERAL NOTES ON DRAWING M8.1 APPLY TO THIS DRAWING.





AHU SF M/S WIRING

TYPICAL

INDOOR AHU CONTROL

AHU-1 SERVES GYMNASIUM - EAST SIDE
AHU-2 SERVES GYMNASIUM - WEST SIDE
AHU-3 SERVES CLASSROOM/WEIGHT ROOM?
AHU-4 SERVES GIRL'S LOCKERS
AHU-5 SERVES WRESTLING

NOTES:

1. DAMPERS ARE PACKAGED WITH AHU. TC CONTRACTOR SHALL PROVIDE DAMPER ACTUATORS.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM SYSTEM COMPONENTS AND WIRING FROM FIRE ALARM PANEL TO CONTROL MODULE. TC CONTRACTOR SHALL PROVIDE WIRING FROM CONTROL MODULE TO VFC SAFETY CIRCUIT.

SEQUENCE OF OPERATION

INDOOR AIR HANDLING UNIT - AHU-1 & -2:

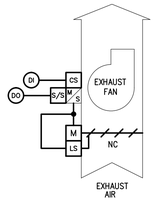
1. ALL SETPOINTS, DELAYS, AND DEADBANDS INCLUDING RESET SCHEDULE SETPOINTS DESCRIBED IN SEQUENCE SHALL BE ADJUSTABLE BY SYSTEM OPERATORS. APPROPRIATE DEADBANDS SHALL BE USED TO PREVENT SHORT CYCLING SITUATIONS. ALL MOTOR CONTROL SWITCHES SHALL BE IN "AUTO" POSITION.
2. SUPPLY FAN SHALL HAVE START/STOP CAPABILITY FROM THE DDC/BAS SYSTEM. AHU SHALL OPERATE BASED ON BAS TIME SCHEDULED OCCUPIED MODE (COMPENSATED BY OPTIMUM START PROGRAM) AND UNOCCUPIED CYCLE MODE.
3. SUPPLY FAN STATUS SHALL BE MONITORED BY DDC THRU RESPECTIVE CURRENT SWITCH. SF CURRENT SWITCH SHALL PROVIDE FEEDBACK TO ENABLE TEMPERATURE CONTROLS. ABNORMAL STATUS CONDITION FOR SF SHALL ACTIVATE ALARM. DDC SHALL TOTALIZE RUN TIME HOURS OF OPERATION FOR THE FAN FOR BAS DISPLAY.
4. WHEN AHU IS ACTIVATED DURING OCCUPIED MODE; OUTSIDE, RETURN & RELIEF AIR DAMPERS (CALLED DAMPERS HEREIN) SHALL BE ALLOWED TO MODULATE AS DESCRIBED. WHEN AHU IS DEACTIVATED OR OPERATING IN UNOCCUPIED NIGHT CYCLE MODE OR OPTIMUM START MODE, DAMPERS SHALL REMAIN CLOSED TO OUTSIDE AIR.
5. DDC SHALL ACTIVATE HEATING COIL CIRC PUMP WHENEVER OA TEMP IS BELOW 55°F WITH SF ACTIVATED OR WHENEVER OA TEMP IS BELOW 40°F WITH SF DEACTIVATED. PUMP STATUS SHALL BE MONITORED BY DDC THRU CURRENT SWITCH. ABNORMAL STATUS CONDITION SHALL ACTIVATE ALARM. DDC SHALL TOTALIZE RUN TIME HOURS OF OPERATION FOR THE PUMP FOR BAS DISPLAY.
6. AHU-1 AND AHU- 2 ONLY: DEMAND CONTROLLED VENTILATION (DCV) SHALL OVERRIDE THE CONTROL OF THE DAMPERS EXCEPT WHEN THE UNIT IS IN ECONOMIZER.
7. HEATING AND COOLING CONTROL SHALL NOT OVERLAP.
8. WHEN SPACE TEMP IS BELOW HEATING SETPOINT, DDC SHALL KEEP DAMPERS AT MINIMUM OA POSITION AND MODULATE HEATING COIL VALVE TO MAINTAIN SPACE TEMP SETPOINT. DX COOLING CONTROL REMAINS OFF.
9. WHEN SPACE TEMP IS ABOVE COOLING SETPOINT AND OA ENTHALPY IS LESS THAN RETURN AIR ENTHALPY AND OUTSIDE AIR HUMIDITY IS LESS THAN 60% RH, DDC SHALL MODULATE DAMPERS ABOVE MINIMUM POSITION TO ACHIEVE FREE COOLING AS 1ST STAGE COOLING AND THEN STAGE DX COOLING (AHU-3 ONLY) AS NEEDED TO MAINTAIN SPACE TEMPERATURE SETPOINT. DDC SHALL CLOSE THE HEATING VALVE TO THE COIL.
10. WHEN SPACE TEMP IS ABOVE COOLING SETPOINT AND OA ENTHALPY IS GREATER THAN RETURN AIR ENTHALPY, DDC SHALL MODULATE DAMPERS TO THE MINIMUM OA POSITION AND STAGE DX COOLING (AHU-3 ONLY) AS NEEDED TO MAINTAIN SPACE TEMP SETPOINT. DDC SHALL CLOSE THE HEATING VALVE TO THE COIL.
11. SPACE TEMP SETPOINTS SHALL BE:

UNOCCUPIED HEATING SETPOINT:	62°F (ADJUSTABLE)
OCCUPIED HEATING SETPOINT:	70°F (ADJUSTABLE)
OCCUPIED COOLING SETPOINT:	74°F (ADJUSTABLE)
UNOCCUPIED COOLING SETPOINT:	82°F (ADJUSTABLE)

12. AHU-1 & 2 ONLY: MINIMUM OA DAMPER SETPOINT SHALL BE RESET PROPORTIONALLY BETWEEN MIN/MIN (BASE LOAD VENTILATION REQUIREMENT) AND MAX/MIN (FULL OCCUPANCY REQUIREMENT) BASED ON RETURN AIR CARBON DIOXIDE LEVEL AS FOLLOWS:

CO2	OA DAMPER MIN POSITION
600 PPM	MIN-MIN CFM SETPOINT
1,100 PPM	MAX-MIN CFM SETPOINT

13. TC CONTRACTOR SHALL COORDINATE DAMPER POSITIONS WITH AIR BALANCER TO ACHIEVE THESE AIRFLOWS.
14. FREEZESTAT(S) SHALL DEACTIVATE SUPPLY FAN WHEN TEMPERATURE IS 35°F OR BELOW.
15. DUCT SMOKE DETECTOR(S) SHALL DEACTIVATE SF WHEN PRODUCTS OF COMBUSTION ARE DETECTED.
16. FILTER STATUS SHALL BE MONITORED BY DDC THRU DIFFERENTIAL PRESSURE SWITCH.
17. WHEN AHU IS DEACTIVATED, SUPPLY FAN AND DX COOLING (AHU-3 ONLY) SHALL TURN OFF, DAMPERS SHALL CLOSE TO OUTSIDE AIR. WHEN OA TEMP IS BELOW 40°F AND AHU IS DEACTIVATED, HEATING COIL VALVE SHALL BE MODULATED BY DDC TO MAINTAIN LOW LIMIT DAT TEMP SETPOINT OF 50°F. DDC SHALL NIGHT CYCLE THE AHU ON/OFF TO MAINTAIN UNOCCUPIED SETPOINTS BASED ON SPACE TEMP SENSOR. DDC SHALL MAINTAIN 2°F DEADBAND AROUND SETPOINTS.



EXHAUST FAN CONTROL

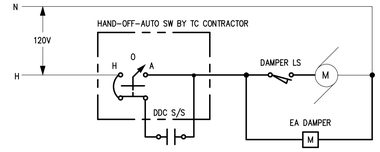
TYPICAL

NOTES:

1. REFER TO MECHANICAL SCHEDULES FOR QUANTITIES AND FLOOR PLANS FOR LOCATIONS.

SEQUENCE OF OPERATION:

1. EXHAUST FAN SHALL BE STARTED AND STOPPED BY DDC BASED ON BAS TIME OF DAY SCHEDULE. WIRING INTERLOCK SHALL OPEN DAMPER. DAMPER LIMIT SWITCH SHALL ENABLE FAN TO RUN.
2. DDC SHALL MONITOR EF RUN STATUS THRU CURRENT SWITCH. ABNORMAL STATUS CONDITION SHALL ACTIVATE ALARM. DDC SHALL TOTALIZE RUN TIME HOURS OF OPERATION.



EF M/S WIRING

TYPICAL

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

TEMPERATURE CONTROLS

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	ZAV
CHECKED	GRN
APPROVED	RNR

PROJECT NO.

13083E

DRAWING NO.

M8.2

ELECTRICAL SYMBOL LIST

(NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT)

SYMBOL	DESCRIPTION
FX	FIXTURE TYPE
	LIGHTING FIXTURE
	DIRECT/INDIRECT LIGHTING FIXTURE
	EMERGENCY FIXTURE
	NIGHT LIGHTING FIXTURE
FX–NL	LIGHTING FIXTURE
	EMERGENCY FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	LIGHTING FIXTURE
	EMERGENCY FIXTURE
	DIRECTIONAL LIGHTING FIXTURE
	PENDANT LIGHTING FIXTURE
	WALL SCONCE
	LIGHTING TRACK
	TRACK LIGHTING FIXTURE
	POLE MOUNTED LIGHTING FIXTURE
	POLE MOUNTED LIGHTING FIXTURE – POST TOP
	BOLLARD LIGHTING FIXTURE
	EMERGENCY LIGHTING UNIT
	EXIT LIGHTING FIXTURE WITH DIRECTIONAL ARROWS (SHADED AREA INDICATES FACE)
	EXIT LIGHTING FIXTURE WITH DIRECTIONAL ARROWS (SHADED AREA INDICATES FACE)
	EXIT LIGHTING FIXTURE – WALL MOUNTED
ELTD	EMERGENCY LOAD TRANSFER DEVICE
S	SINGLE POLE TOGGLE SWITCH
S2	TWO POLE TOGGLE SWITCH
S3	3 WAY TOGGLE SWITCH
S4	4 WAY TOGGLE SWITCH
K	KEY OPERATED SWITCH
K3	3 WAY KEY OPERATED SWITCH
K4	4 WAY KEY OPERATED SWITCH
D	DIMMER SWITCH
D3	3 WAY DIMMER SWITCH
DO	DIMMER OCCUPANCY SENSOR SWITCH
DL	LOW VOLTAGE DIMMER SWITCH
SP	PILOT SWITCH

SYMBOL	DESCRIPTION
TWC	TWO–WAY COMMUNICATION SYSTEM CALL STATION
TWCD	TWO–WAY COMMUNICATION SYSTEM AUTO DIALER
TWCA	TWO–WAY COMMUNICATION SYSTEM ANNUNCIATOR & COMMUNICATION PANEL
TWCP	TWO–WAY COMMUNICATION SYSTEM POWER SUPPLY WITH BATTERY BACK–UP
TWCDP	TWO–WAY COMMUNICATION SYSTEM AUTO DIALER POWER SUPPLY WITH BATTERY BACK–UP
RGP	REMOTE GENERATOR ANNUCIATOR PANEL
ATS	AUTOMATIC TRANSFER SWITCH
UPS	UN–INTERRUPTABLE POWER SUPPLY
CSX	LOW VOLTAGE CONTROL STATION "X" INDICATES TYPE
	SINGLE RECEPTACLE
DP	DUPLEX RECEPTACLE
PP	AUTOMATIC DOOR CONTROLLER
	AUTOMATIC DOOR PUSH PAD OPERATOR
	QUAD RECEPTACLE
	GROUND ROD
	ABOVE COUNTER DUPLEX RECEPTACLE (SIMILAR FOR TAMPER RESISTANT, QUADS, EMERGENCY AND GFI RECEPTACLES)
X	DUPLEX RECEPTACLE–GROUND FAULT CIRCUIT INTERRUPTER
	DUPLEX EMERGENCY RECEPTACLE
	TAMPER RESISTANT RECEPTACLE
	QUAD TAMPER RESISTANT RECEPTACLE
	ABOVE COUNTER DUPLEX TAMPER RESISTANT RECEPTACLE
	DUPLEX UPS RECEPTACLE
	USB RECEPTACLE
X	4 PORT USB CHARGING STATION
X	CEILING MOUNTED DUPLEX RECEPTACLE
	POWER POLE
X	SPECIAL RECEPTACLE – REFER TO ELECTRICAL STANDARD SCHEDULES
	MULTI–OUTLET RACEWAY
	MULTI–SERVICE DROP SEE ELECTRICAL DETAILS AND DIAGRAMS SHEET "X" INDICATES TYPE
PTX	POKE THRU SERVICE FITTING "X" INDICATES TYPE
FBX	FLOOR BOX SERVICE FITTING "X" INDICATES TYPE
AFX	ACCESS FLOOR SERVICE FITTING "X" INDICATES TYPE
RX	CORD REEL "X" INDICATES TYPE
	SIGNALING BELL
S S	DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
S3 S3	3–WAY DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
S4 S4	4–WAY DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
ST	DIGITAL TIME SWITCH
SI	ILLUMINATED TOGGLE SWITCH FOR CONTROL OF LIGHTING ON CRITICAL POWER–ILLUMINATED WHEN SWITCH IS IN "OFF" POSITION
SL	LOW VOLTAGE SWITCH
SO	OCCUPANCY SENSOR
SOZ	OCCUPANCY SENSOR
OS X	OCCUPANCY SENSOR "X" INDICATES TYPE

REFER TO ELECTRICAL STANDARD SCHEDULES

SYMBOL	DESCRIPTION
CP	CONTROL PANEL
	MOTOR
VFC	VARIABLE FREQUENCY CONTROLLER.
	MANUAL CONTROLLER
	MAGNETIC CONTROLLER
	COMBINATION MAGNETIC CONTROLLER
	NON–FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
CB	ENCLOSED CIRCUIT BREAKER
REX	REQUEST TO EXIT STATION
J	JUNCTION BOX
	HARD WIRE POWER CONNECTION
	DRAWOUT CIRCUIT BREAKER MANUALLY/ OPERATED
	DRAWOUT CIRCUIT BREAKER ELECTRICALLY/ OPERATED
	SWITCH
	AUTOMATIC OR MANUAL TRANSFER SWITCH
	FUSE
	TRANSFORMER
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	LIGHTNING ARRESTOR
X	PANELBOARD "X" INDICATES PANELBOARD NAME
	GROUND
	STRESS CONE TERMINATION
K	SECURITY KEY INTERLOCK
G	ENGINE GENERATOR
M	UTILITY METER
EMU	ELECTRONIC METERING UNIT
A	AMMETER
V	VOLTMETER
AS	AMMETER SWITCH
VS	VOLTMETER SWITCH
SPD	SURGE PROTECTIVE DEVICE
CR	CONTROL RELAY
TDR	TIME DELAY RELAY
	THERMAL OVERLOAD RELAY
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	N.O. PUSH BUTTON SINGLE CIRCUIT
	N.C. PUSH BUTTON SINGLE CIRCUIT
X–X	CABLE VAULT "X–X" INDICATES TYPE
	BRANCH CIRCUIT PANELBOARD
	MOTOR CONTROL CENTER
T	TRANSFORMER
	DISTRIBUTION PANEL
GB	GROUND BUS
PB	PLUG IN BUSWAY
FB	FEEDER BUSWAY

SYMBOL	DESCRIPTION
F	MANUAL FIRE ALARM BOX
SD	SMOKE DETECTOR
DD	DUCT SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
RT	REMOTE TEST STATION (FOR DUCT DETECTOR)
TD	THERMAL DETECTOR
BD	PROJECTED BEAM DETECTOR
F	FIRE ALARM BELL
F	FIRE ALARM AUDIBLE NOTIFICATION APPLIANCE
XX	FIRE ALARM VISUAL NOTIFICATION APPLIANCE "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
XX	FIRE ALARM COMBINATION VISUAL/ AUDIBLE "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
F XX	FIRE ALARM COMBINATION VISUAL/ AUDIBLE NOTIFICATION APPLIANCE– CEILING MOUNTED "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
XX	FIRE ALARM VISUAL NOTIFICATION APPLIANCE CEILING MOUNTED "XX" INDICATES CANDELA RATING IF NO RATING SHOWN, APPLIANCE IS 15cd
F	FIRE ALARM AUDIBLE NOTIFICATION APPLIANCE – CEILING MOUNTED
F	FIREFIGHTERS PHONE JACK
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
NAC	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL
IM	ADDRESSABLE MONITORING MODULE
CM	ADDRESSABLE CONTROL MODULE
TS	TAMPER SWITCH
FS	FLOW SWITCH
DR	MAGNETIC DOOR RELEASE

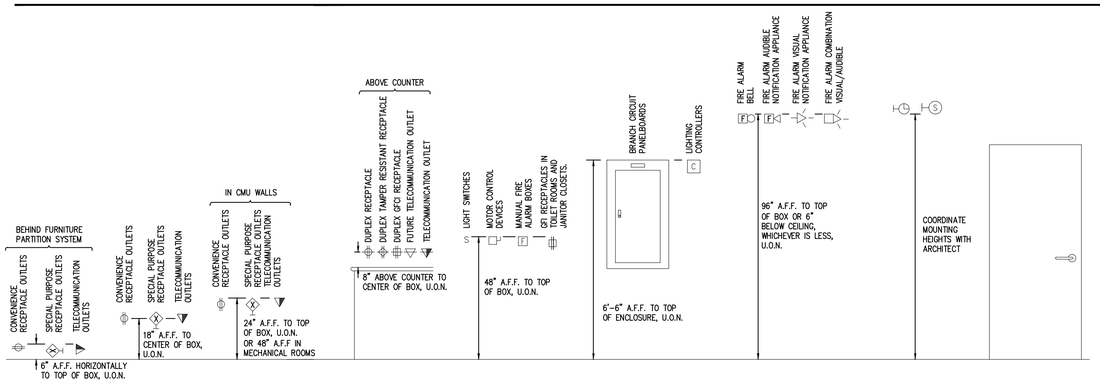
ELECTRICAL DRAWING INDEX

SHEET NO.	SHEET TITLE
E0.1	ELECTRICAL STANDARDS AND DRAWING INDEX
E0.2	ELECTRICAL STANDARD SCHEDULES
E0.3	FIRST FLOOR ELECTRICAL COMPOSITE PLAN
E0.4	SECOND FLOOR ELECTRICAL COMPOSITE PLAN
ED1.1D	FIRST FLOOR ELECTRICAL DEMOLITION PLAN – ZONE D
ED1.1E	FIRST FLOOR ELECTRICAL DEMOLITION PLAN – ZONE E
E2.1D	FIRST FLOOR LIGHTING PLAN – ZONE D
E2.1E	FIRST FLOOR LIGHTING PLAN – ZONE E
E2.2E	SECOND FLOOR LIGHTING PLAN – ZONE E
E3.1D	FIRST FLOOR POWER PLAN – ZONE D
E4.1	ENLARGED ELECTRICAL PLANS
E4.2	ENLARGED ELECTRICAL MEZANNINE PLANS
E7.1	ELECTRICAL DETAILS AND DIAGRAMS
E7.2	ELECTRICAL DETAILS AND DIAGRAMS

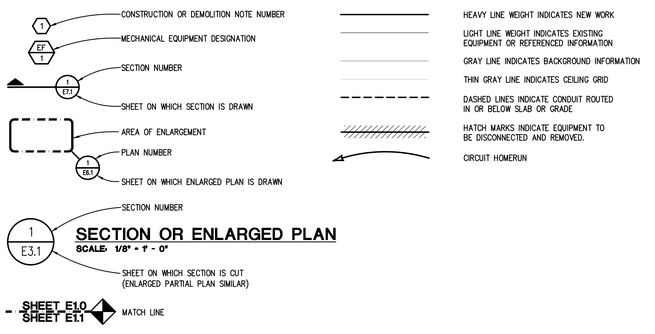
ELECTRICAL ABBREVIATION LIST

ABBREVIATION	DESCRIPTION
A	AMPERES
AF	AMPERES FRAME (BREAKER RATING)
A.F.F.	ABOVE FINISH FLOOR
AIC	AMPS INTERRUPTING CAPACITY
AL	AUDIENCE LEFT
AR	AUDIENCE RIGHT
AT	AMPERES TRIP (BREAKER SETTING)
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
BKR	BREAKER
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
DEMO	DEMOLITION
DIM	DIMENSION
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
DS	DOWNSTAGE
DWG	DRAWING
EBU	EMERGENCY BATTERY UNIT
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EM/ EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EO	ELECTRICALLY OPERATED
EPO	EMERGENCY POWER OFF
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FLA	FULL LOAD AMPS
FLR	FLOOR
FOH	FRONT OF HOUSE
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FU	FUSE
G/GRD/EG	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HOA	HAND–OFF–AUTO
HP	HORSEPOWER
HV	HIGH VOLTAGE
HZ	HERTZ
IG	ISOLATED GROUND
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT – AMPERES
KW	KILOWATT
KWH	KILOWATT – HOURS
LA	LIGHTNING ARRESTOR
LP	LIGHTING PANEL
LDP	LIGHTING DISTRIBUTION PANEL
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MIN	MINIMUM
MISC.	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTR	MOTOR
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON–FUSIBLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P	POLE
PB	PUSHBUTTON STATION
PH	PHASE
PT	POTENTIAL TRANSFORMER
PDP	POWER DISTRIBUTION PANEL
RECEPT.	RECEPTACLE
RDP	RECEPTACLE DISTRIBUTION PANEL
RP	RECEPTACLE PANEL
RSC	RIGID STEEL CONDUIT
SCHED	SCHEDULE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TB	TERMINAL BOX
TELECOM	TELECOMMUNICATIONS
TR	TAMPER RESISTANT
TTB	TELEPHONE TERMINAL BACKBOARD
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
US	UPSTAGE
V	VOLTS
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
(E)	EXISTING
(R)	RELOCATED

STANDARD MOUNTING HEIGHTS



STANDARD METHODS OF NOTATION



TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

ELECTRICAL STANDARDS AND DRAWING INDEX

ISSUE DATES

DATE:	ISSUED FOR:
01–19–2017	BIDS

DRAWN	SC
CHECKED	GJZ
APPROVED	GJZ

PROJECT NO.

13083E

DRAWING NO.

E0.1

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	(QTY.) LAMPS	MANUFACTURERS
L1 MEDIA CENTER	LED 2'X4' RECESSED LAY-IN GRID STYLE LIGHT FIXTURE: ARCHITECTURAL STYLE CENTER BASKET STYLE, MAX 4" DEEP HOUSING WITH A POLYESTER POWDER COAT MATTE WHITE FINISH, ACRYLIC DIFFUSER WITH ROUND ACCENT STRIP. RATED FOR A MINIMUM OF 50,000 HOURS OF OPERATION. 5 YEAR WARRANTY.	MULTI	4000 LUMENS 4100K 80CRI	1. FOCAL POINT AERION SERIES 2. METALUX 24ALN SERIES 3. COLUMBIA LTGR24 SERIES 4. LSI LPRT SERIES
L1E MEDIA CENTER	SAME AS LIGHT FIXTURE TYPE L1 EXCEPT PROVIDE GTD.			
L2 MEDIA CENTER	SAME AS LIGHT FIXTURE TYPE "L1" EXCEPT 2'x2'.		2000 LUMENS 4100K 80CRI	
L3 MEDIA CENTER	LED PENDANT 48" SQUARE "FRAME" DECORATIVE FIXTURE. CONTINOUS LED 5" HIGH BY 5" WIDE OR LESS, NO UP LIGHT. SUSPENDED AIRCRAFT CABLING MOUNTING. EXTRUDED ACRYLIC LENS, MINIMUM OF 50,000 HOURS OF OPERATION. 5 YEAR WARRANTY. FIXTURE AND MOUNTING BRACKETS SHALL BE WHITE CUSTOM COLOR. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF.	MULTI	8,000 LUMENS MAXIMUM 4100K 80CRI	1. BIRCHWOOD ERIKA LED SERIES 2. ZENITH "DOWN" SERIES 3. SPI NOVATO SERIES 4. BARICAN
L4 MEDIA CENTER	6" SQUARE RECESSED LED DOWN LIGHT FIXTURE: GALVANIZED STEEL CONSTRUCTION; MATTE-DUFFUSED FINISH STANDARD SIZE TRIM RING, LENS TO DIFFUSE LEDS, WIDE BEAM REFLECTOR WITH SEMI-SPECULAR FINISH. MINIMUM 50,000 HOURS OF OPERATION. 5 YEAR WARRANTY.	MULTI	2000 LUMENS 4100K 80CRI	1. PEACHTREE 6BLSD SERIES 2. PRESCOLITE LSF6 SERIES 3. WILLIAMS HSQ60 4. GOTHEM EVO SQUARE SERIES
L4E	SAME AS LIGHT FIXTURE TYPE L4 EXCEPT PROVIDE GTD.			
L5 LECTURE THEATER	SAME AS LIGHT FIXTURE TYPE L4 EXCEPT WITH 1% DIMMING, NON FLICKER WITH 0-10V SWITCHING. PROVIDE LOW VOLTAGE WIRING FOR NEW DIMMER CONTROL. LIGHT FIXTURE CONTROL SHALL BE COMPATIBLE WITH DIMMER CONTROLLER PROVIDED. FIXTURE APERTURE CAN BE NO BIGGER THAN 6" SQUARE MAX. PROVIDE 1" WIDE WHITE TRIM RING. REWORD EXISTING OPENING AS REQUIRED TO ACCOMMODATE LIGHT FIXTURE PROVIDED.	MULTI	3000 LUMENS 3500K 80CRI	1. PEACHTREE 6BLSD SERIES 2. PRESCOLITE LSF6 SERIES 3. WILLIAMS HSQ60 4. GOTHEM EVO SQUARE SERIES
L6 LECTURE THEATRE	LED COVE LIGHT FIXTURE: LENGTH AS INDICATED ON PLAN. 4" WIDE X 2 1/2" HIGH MAX. PROVIDE WITH 1% DIMMING NO FLICKER 0-10V SWITCHING. ASYMMETRIC THROW L70, ACRYLIC LENS, LIGHT FIXTURE CONTROL SHALL BE COMPATIBLE WITH DIMMER CONTROLLER PROVIDED. (ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXACT LENGTH AND WITH WITH EXISTING COVES PRIOR TO SHOP DRAWING APPROVAL). FIELD MEASURE EXISTING COVE SIZES PRIOR TO SHOP DRAWINGS.	MULTI	700 LUMENS PER FOOT 3500K 80CRI	1. BIRCHWOOD ASHLEY LED SERIES 2 AXIS CCH COVE LIGHT SERIES 2. ELLIPTIPAR STYLE S315 3. LF ILLUMINATION EF600 SERIES
L7	6" APERTURE RECESSED LED DOWNLIGHT: GALVANIZED STEEL CONSTRUCTION; WIDE BEAM REFLECTOR, CLEAR APERTURE AND WHITE TRIM RING; SEMI-SPECULAR FINISH. LENS TO DIFFUSE LEDS.	MULTI	1500 LUMENS 4100K 80CRI	1. GOTHAM EVO SERIES 2. PORTFOLIO LD6A SERIES 3. PRESCOLITE LF6LED SERIES 4. WILLIAMS H60 SERIES

NOTES:
1. REFER TO SPECIFICATIONS FOR DETAILED LIGHT FIXTURE CUT SHEETS.

FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE - GENERAL PURPOSE

COPPER CONDUCTORS

	OVERCURRENT DEVICE RATING (AMPERES)	WIRE SIZE (AWG OR KCMIL)		CONDUIT SIZE			
		PHASE & NEUTRAL	GROUND	SINGLE PHASE 2 WIRE+G (1PH, 1N, 1G)	SINGLE PHASE 3 WIRE+G (2PH, 1N, 1G)	THREE PHASE 3 WIRE+G (3PH, 1G)	THREE PHASE & NEUTRAL 4 WIRE+G (3PH, 1N, 1G)
	15–20	12	12	3/4"	3/4"	3/4"	3/4"
	25–30	10	10	3/4"	3/4"	3/4"	3/4"
	35–40	8	10	3/4"	3/4"	3/4"	3/4"
*	45–50	8 (6)	10	3/4"	3/4"	3/4"	3/4"
*	60	6 (4)	10	3/4" (1")	3/4" (1")	3/4" (1")	1" (1 1/4")
	70	4	8	1"	1 1/4"	1 1/4"	1 1/4"
*	80	4 (3)	8	1"	1 1/4"	1 1/4"	1 1/4"
*	90–100	3 (2)	8	1 1/4"	1 1/4"	1 1/4"	1 1/4"
*	110	2 (1)	6	–	1 1/4"	1 1/4"	1 1/4" (1 1/2")
*	125	1 (1/0)	6	–	1 1/4" (1 1/2")	1 1/4" (1 1/2")	1 1/2"
	150	1/0	6	–	1 1/2"	1 1/2"	1 1/2"
	175	2/0	6	–	2"	2"	2"
	200	3/0	6	–	2"	2"	2 1/2"
	225	4/0	4	–	2"	2"	2 1/2"
	250	250	4	–	2 1/2"	2 1/2"	2 1/2"
	300	350	4	–	2 1/2"	2 1/2"	3"
	350	500	3	–	3"	3"	3"
	400	500	3	–	3"	3"	3"
	450	2–4/0	2–2	–	2–2"	2–2"	2–2 1/2"
	500	2–250	2–2	–	2–2 1/2"	2–2 1/2"	2–2 1/2"
	600	2–350	2–1	–	2–2 1/2"	2–2 1/2"	2–3"
	700	2–500	2–1/0	–	2–3"	2–3"	2–3"
	800	2–500	2–1/0	–	2–3"	2–3"	2–3 1/2"
	1000	3–400	3–2/0	–	3–3"	3–3"	3–3"
	1200	3–600	3–3/0	–	3–3 1/2"	3–3 1/2"	3–3 1/2"
	1600	4–600	4–4/0	–	4–3 1/2"	4–3 1/2"	4–3 1/2"
	2000	5–600	5–250	–	5–3 1/2"	5–3 1/2"	5–3 1/2"

* = SEE NOTE 4

NOTES:

1. CONTRACTOR TO SIZE FEEDERS AND BRANCH CIRCUITS BASED ON THIS SCHEDULE AND OVER CURRENT DEVICE SIZE, UNLESS NOTED OTHERWISE.
2. CONTRACTOR MAY COMBINE 20A CIRCUITS AS NOTED IN SPECIFICATION.
3. CONDUCTORS ARE BASED ON THHN/THWN UP TO AND INCLUDING #4/0. LARGER THAN #4/0 ARE BASED ON TYPE XHHW.
4. CONDUCTORS ARE BASED ON 90°C, 600V. INSULATED COPPER WIRE APPLIED AT 75°C FOR TERMINATION RATED 60/75°C OR 75°C. FOR TERMINATION RATED AT 60°C, USE CONDUCTORS AND CONDUIT SIZES INDICATED IN PARENTHESES.
5. CONDUIT SIZES ARE VALID FOR EMT OR RGS. CONDUIT SIZES SHALL BE ADJUSTED AS REQUIRED FOR OTHER TYPES OF CONDUIT.
6. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE REQUIRED WIRE SIZES TO ACCOMMODATE MECHANICAL EQUIPMENT LUG SIZES.
7. SIZE OF DISCONNECT SWITCH LOCATED AT EQUIPMENT SHALL BE SIZED BASED UPON OVERCURRENT PROTECTION OF THAT DEVICE.
8. OBTAIN APPROVAL FROM ENGINEER PRIOR TO INSTALLING DIFFERENT SIZE/QUANTITY OF CONDUCTORS TO OBTAIN AN EQUIVALENT AMPACITY.
9. SPLICE FROM ALUMINUM TO COPPER PRIOR TO ENTERING EQUIPMENT LISTED FOR USE WITH COPPER CONDUCTORS ONLY OR USE COPPER CONDUCTORS FOR THE ENTIRE LENGTH OF FEEDER.

BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE FOR SINGLE PHASE CIRCUITS

BRANCH CKT RATING (A)	WIRE SIZE (AWG)	MAXIMUM BRANCH CIRCUIT LENGTH (IN FEET)				
		120V	208V	240V	277V	480V
20A	12	83	143	165	191	331
	10	128	222	256	295	511
	8	201	348	402	464	804
	6	313	542	625	721	1250
30A	10	85	148	170	197	341
	8	134	232	268	309	536
	6	208	361	417	481	833
	4	313	542	625	721	1250

NOTES:

1. THE ABOVE TABLE VALUES ARE BASED ON COPPER CONDUCTORS, IN STEEL CONDUIT, WITH A LOAD POWER FACTOR OF 0.85 PER NEC CHAPTER 9, TABLE 9.
2. PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE ABOVE FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERE BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR MAY PERFORM VOLTAGE DROP CALCULATIONS BASED ON ACTUAL EQUIPMENT CONNECTED LOAD AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.
3. CONDUCTOR SIZES ARE BASED ON MAXIMUM OF 9 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.
4. LIMITS FOR CONDUCTOR LENGTHS SHOWN ARE BASED ON A MAXIMUM BRANCH CIRCUIT LOADING OF 64% OF THE BRANCH BREAKER RATING AND A MAXIMUM OF 3 PERCENT VOLTAGE DROP TO COMPLY WITH ASHRAE 90.1 AND THE NEC. FOR CIRCUITS LOADED GREATER THAN 64% OF BRANCH BREAKER RATING, THE CONTRACTOR SHALL PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.

OCCUPANCY SENSOR LEGEND

TYPE	DESCRIPTION
OS A	360° CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
OS B	90° CEILING/WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
OS C	360° CEILING MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR
OS D	360° CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR "HIGH BAY" STYLE
OS E	360° CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR – CORRIDOR OPTIMIZED
So	WALL SWITCH PASSIVE INFRARED OCCUPANCY SENSOR
So2	WALL SWITCH PASSIVE INFRARED OCCUPANCY SENSOR – DUAL LEVEL SWITCHING
Do	WALL DIMMER SWITCH INFRARED OCCUPANCY SENSOR

RACEWAY APPLICATION SCHEDULE

RACEWAY		AC/MC CABLE	ALUMINUM RIGID CONDUIT	ELECTRICAL METALLIC TUBING (EMT)	SURFACE RACEWAY	ELECTRICAL NONMETALLIC TUBING (ENT)	FLEXIBLE METAL CONDUIT (FMC)	GENERAL-USE OPTICAL FIBER/COMMUNICATION CABLE RACEWAY	INTERMEDIATE METAL CONDUIT (IMC)	LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC)	LIQUIDTIGHT FLEXIBLE NONMETAL CONDUIT (LFNC)	PLENUM-TYPE OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY	RIGID STEEL CONDUIT	RISER-TYPE OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY	RIGID NONMETALLIC CONDUIT (RNC) TYPE EPC-40	RIGID NONMETALLIC CONDUIT (RNC) TYPE EPC-80	HIGH DENSITY POLYTHYLENE (HDPE) SCHEDULE 40	HIGH DENSITY POLYTHYLENE (HDPE) SCHEDULE 80	KEYED NOTES
OUTDOOR	EXPOSED								X				X						
	CONCEALED (ABOVE GROUND)								X				X						
	UNDERGROUND												X		X	X	X	X	
	CONNECTED TO VIBRATING EQUIPMENT								X										EQUIPMENT INCLUDING: TRANSFORMERS, HYDRAULIC PNEUMATIC, ELECTRIC SOLENOID, MOTOR DRIVEN EQUIPMENT
INDOOR	EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE – UNFINISHED SPACES			X															
	EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE – FINISHED SPACES				X														
	EXPOSED SUBJECT TO SEVERE PHYSICAL DAMAGE								X				X						RIGID STEEL CONDUIT UP TO 10'-0"AFF. LOCATIONS INCLUDE: LOADING DOCKS, CORRIDORS USED FOR TRAFFIC OF MECHANIZED CARTS AND PALLET HANDLING UNITS, MECHANICAL ROOMS
	CONCEALED IN CEILINGS, INTERIOR WALL AND PARTITIONS	X		X															NOT TO EXCEED 6'-0" IN CEILING SPACE
	CONNECTED TO VIBRATING EQUIPMENT						X		X										EQUIPMENT INCLUDING: TRANSFORMERS, HYDRAULIC PNEUMATIC, ELECTRIC SOLENOID, MOTOR DRIVEN EQUIPMENT USE LFMC IN DAMP/WET LOCATIONS
	DAMP AND WET LOCATIONS								X				X						
	BELOW SLAB IN GRADE														X	X			PROVIDE RIGID STEEL ELBOWS WHERE CONDUIT PENETRATES SLAB. CONDUIT INSTALLED 6" BELOW BOTTOM OF SLAB
	EMBEDDED IN CONCRETE ABOVE GRADE												X		X	X			
	OPTICAL FIBER OR COMMUNICATIONS CABLE IN SPACES USED FOR ENVIRONMENTAL AIR			X								X							
	CONCEALED GENERAL PURPOSE DISTRIBUTION OF OPTICAL FIBER OR COMMUNICATION CABLE			X			X					X		X					
SPECIAL APPLICATIONS	MRI		X																
	NATATORIUMS/FOUNTAINS			X															USE COMPRESSION FITTINGS. PAINTED WITH CORROSION RESISTANT PAINT BY PAINTING CONTRACTOR.

GENERAL NOTES

1. "X" INDICATES ACCEPTABLE SELECTION.
2. REFER TO "CONDUCTORS AND CABLES" SPECIFICATION FOR APPLICATION LIMITATIONS OF AC/MC CABLE.

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

ELECTRICAL STANDARD SCHEDULES

ISSUE DATES

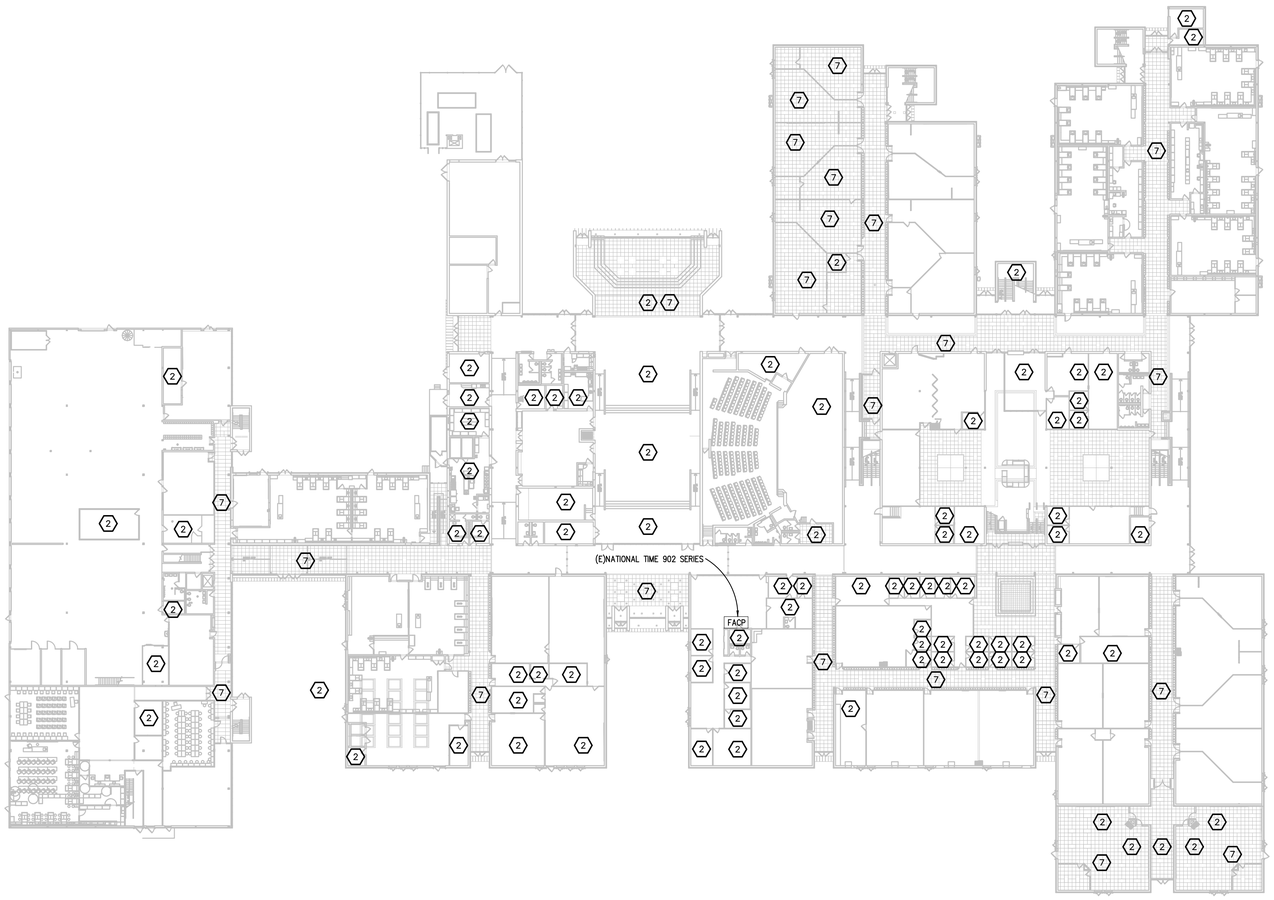
DATE:	ISSUED FOR:
01-19-2017	BIDS

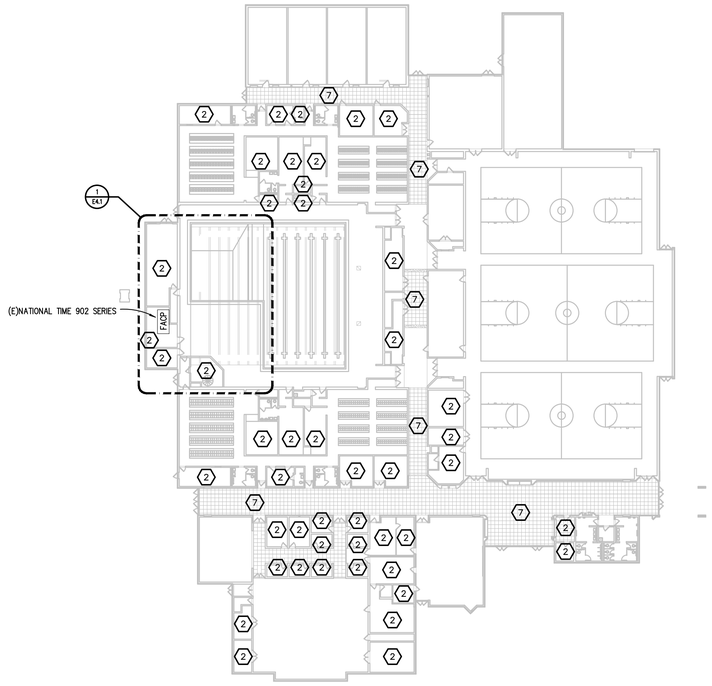
DRAWN SC
CHECKED GJZ
APPROVED GJZ

PROJECT NO.
13083E

DRAWING NO.
E0.2

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"





FIRST FLOOR ELECTRICAL COMPOSITE PLAN
SCALE: 1/32" = 1' - 0"

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

(#) CONSTRUCTION KEY NOTES:

1. CONNECT NEW LIGHTING TO EXISTING NORMAL AND EMERGENCY CIRCUITING. EXTEND CIRCUITING AS REQUIRED.
2. NEW 277V SWITCHING TO REPLACE EXISTING LOW VOLTAGE SWITCHING. CONNECT TO EXISTING CIRCUIT AND EXTEND CIRCUITING AS REQUIRED. SWITCHING MAYBE SINGLE, TWO LEVEL, 3 WAY ETC. NEW SWITCHING TYPE AND LOCATION SHALL MATCH EXISTING. EXISTING RECESSED BOXES SHALL BE REUSED. PROVIDE NEW STAINLESS STEEL COVER PLATES AS REQUIRED.
3. NEW MASTER LIGHTING CONTROLLER FOR HOUSE LIGHTS. PROVIDE 120V CIRCUIT FROM NEAREST AVAILABLE SOURCE. SEE LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
4. PROVIDE CONTROL WIRING BETWEEN FIXTURES AND CONNECT TO NEW LIGHTING CONTROLLER. EXTEND CIRCUITING AND CONTROL WIRING AS REQUIRED. REFER TO LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
5. LIGHTING PUSH BUTTON CONTROL. REUSE EXISTING RECESSED CONDUIT FROM OLD SWITCH LOCATION.
6. FOR NEW LIGHTING THE ELECTRICAL CONTRACTOR SHALL PATCH/REPAIR/PAINT CEILING AS REQUIRED.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR NEW CORRIDOR CEILINGS. PRIOR TO BIDS THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DEVICES IN CEILINGS TO BE REMOVED AND REINSTALLED IN NEW GRID. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: LIGHTING, EXIT LIGHTS, OCCUPANCY SENSORS, SPEAKERS, WI FI DEVICES, SECURITY DEVICES, ETC. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL DEVICES BACK IN SIMILAR LOCATIONS AND IN COMPLETE WORKING CONDITION.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

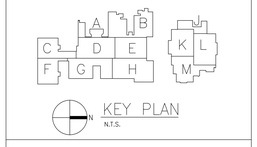
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR ELECTRICAL COMPOSITE PLAN



ISSUE DATES

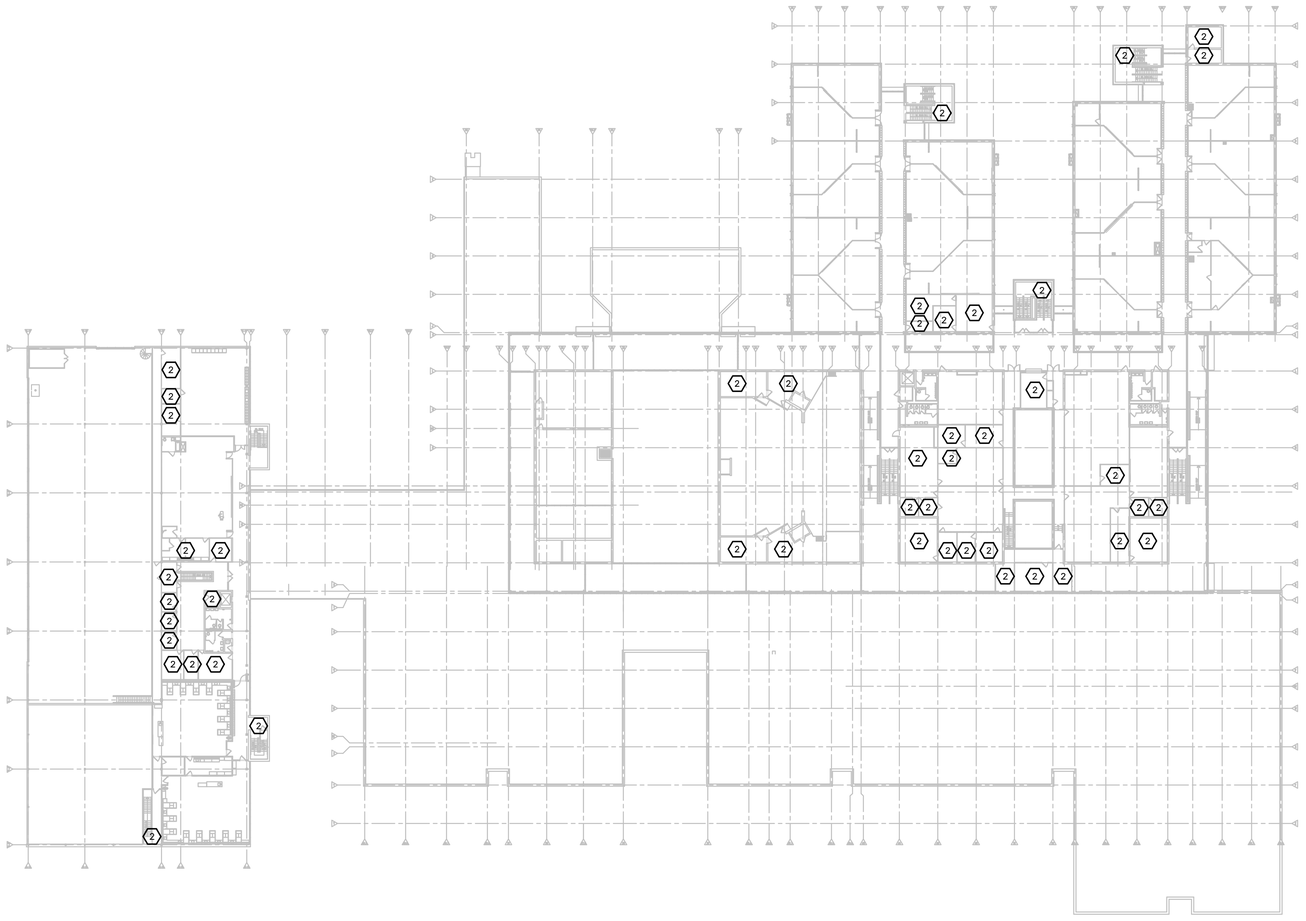
DATE:	ISSUED FOR:
01-19-2017	BIDS

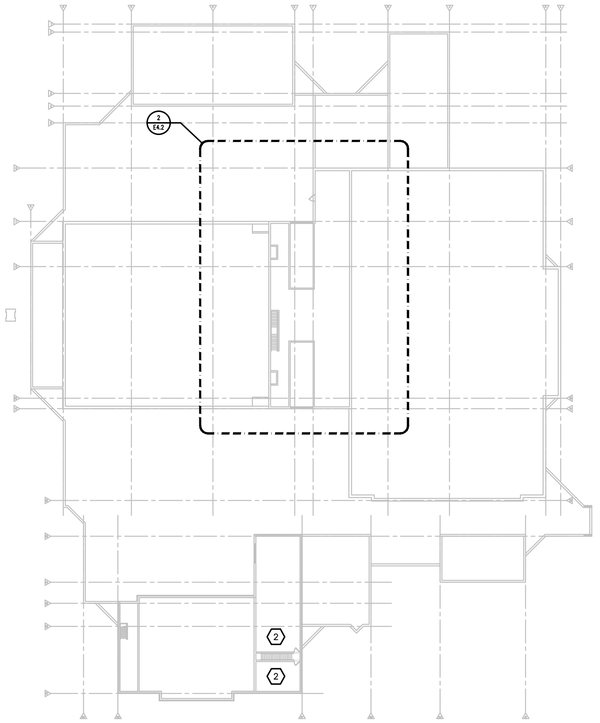
DRAWN	SC
CHECKED	GJZ
APPROVED	GJZ

PROJECT NO.
13083E

DRAWING NO.
E0.3

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"





SECOND FLOOR ELECTRICAL COMPOSITE PLAN
SCALE: 1/32" = 1' - 0"

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

(#) CONSTRUCTION KEY NOTES:

1. CONNECT NEW LIGHTING TO EXISTING NORMAL AND EMERGENCY CIRCUITING. EXTEND CIRCUITING AS REQUIRED.
2. NEW 277V SWITCHING TO REPLACE EXISTING LOW VOLTAGE SWITCHING. CONNECT TO EXISTING CIRCUIT AND EXTEND CIRCUITING AS REQUIRED. SWITCHING MAYBE SINGLE, TWO LEVEL, 3 WAY ETC. NEW SWITCHING TYPE AND LOCATION SHALL MATCH EXISTING. EXISTING RECESSED BOXES SHALL BE REUSED. PROVIDE NEW STAINLESS STEEL COVER PLATES AS REQUIRED.
3. NEW MASTER LIGHTING CONTROLLER FOR HOUSE LIGHTS. PROVIDE 120V CIRCUIT FROM NEAREST AVAILABLE SOURCE. SEE LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
4. PROVIDE CONTROL WIRING BETWEEN FIXTURES AND CONNECT TO NEW LIGHTING CONTROLLER. EXTEND CIRCUITING AND CONTROL WIRING AS REQUIRED. REFER TO LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
5. LIGHTING PUSH BUTTON CONTROL. REUSE EXISTING RECESSED CONDUIT FROM OLD SWITCH LOCATION.
6. FOR NEW LIGHTING THE ELECTRICAL CONTRACTOR SHALL PATCH/REPAIR/PAINT CEILING AS REQUIRED.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR NEW CORRIDOR CEILINGS. PRIOR TO BIDS THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DEVICES IN CEILINGS TO BE REMOVED AND REINSTALLED IN NEW GRID. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: LIGHTING, EXIT LIGHTS, OCCUPANCY SENSORS, SPEAKERS, WI FI DEVICES, SECURITY DEVICES, ETC. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL DEVICES BACK IN SIMILAR LOCATIONS AND IN COMPLETE WORKING CONDITION.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

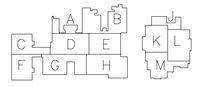
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

SECOND FLOOR ELECTRICAL COMPOSITE PLAN



KEY PLAN
N.T.S.

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	SC
CHECKED	GJZ
APPROVED	GJZ

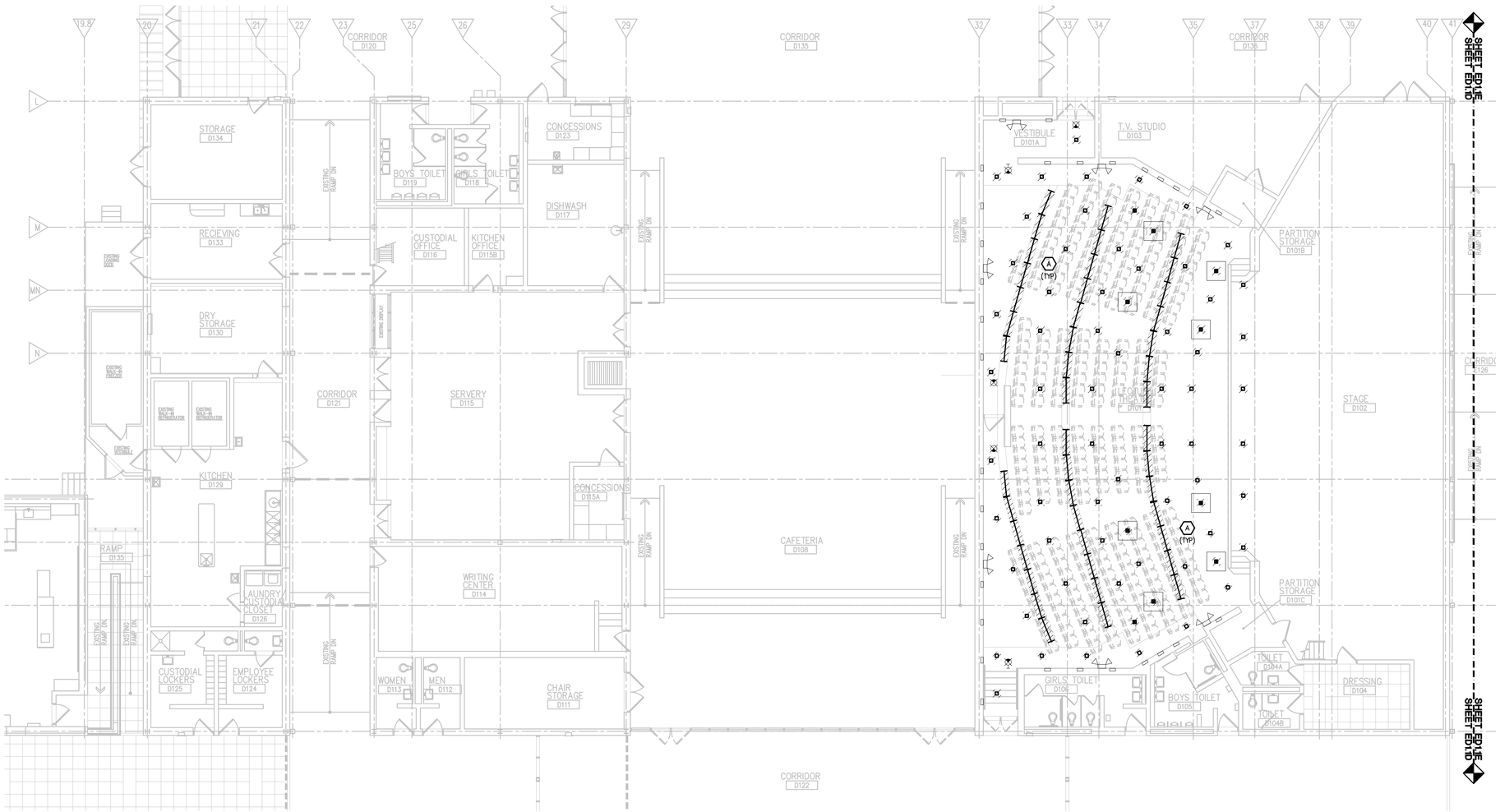
PROJECT NO.

13083E

DRAWING NO.

E0.4

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR ELECTRICAL DEMOLITION PLAN - ZONE D

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

GENERAL NOTES:

1. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION WORK.
2. EXAMINE THE DRAWINGS OF OTHER TRADES AND BE FAMILIAR WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM ALL INCIDENTAL ELECTRICAL DEMOLITION AND/OR RELOCATION REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES, WHETHER OR NOT SPECIFICALLY INDICATED.
3. REMOVE LIGHTING FIXTURES AND ELECTRICAL DEVICES AS INDICATED ON PLAN WITH CROSS HATCHING. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO, THOSE DEVICES SHOWN.
4. COORDINATE WITH NEW WORK PLANS, ONE LINE DIAGRAMS AND RISER DIAGRAMS FOR EXTENT OF DEMOLITION WORK.
5. PROVIDE PROPER SUPPORT FOR EXISTING TO REMAIN CONDUITS AND BOXES WHERE EXISTING SUPPORT IS TO BE REMOVED. RE-ROUTE BRANCH CIRCUIT CONDUITS AND RELOCATE JUNCTION BOXES AS REQUIRED TO FACILITATE INSTALLATION OF NEW EQUIPMENT AND SYSTEMS IN CEILING SPACES.
6. REMOVE ALL CONDUIT AND WIRE BACK TO THE SOURCE OR NEAREST UPSTREAM DEVICE REMAINING IN SERVICE.
7. MAINTAIN ELECTRICAL SERVICE TO ALL LIGHTING FIXTURES, DEVICES AND EQUIPMENT THAT ARE TO REMAIN. EXTEND CONDUIT AND WIRE AS REQUIRED WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM LOADS THAT ARE TO REMAIN.
8. DISPOSE OF ALL MATERIALS OFF SITE AND INCLUDE ALL COSTS FOR DISPOSAL IN BID. ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING TCLP TESTING, PROPER DISPOSAL AND/OR RECYCLING OF FLUORESCENT LAMPS.
9. PROVIDE BLANK STAINLESS STEEL COVER PLATES WHERE SWITCHES AND DEVICES ARE REMOVED BUT EXISTING WALLS REMAIN INTACT.
10. RING OUT AND TAG ALL CIRCUITS AFFECTED BY THIS ALTERATION AT BOTH ENDS. MARK ALL UNUSED CIRCUIT BREAKERS "SPARE". PROVIDE NEW TYPE WRITTEN PANELBOARD DIRECTORY.
11. PROVIDE UPDATED TYPED-IN DIRECTORIES FOR ALL PANELS AFFECTED BY THIS ALTERATION.
12. VERIFY ALL UNDERGROUND AND IN SLAB UTILITY LOCATIONS PRIOR TO SAW-CUTTING OR PENETRATING ANY FLOOR SLAB.
13. COORDINATE ANY SHUT DOWN OF EXISTING SERVICES AND EQUIPMENT THAT ARE REMAINING IN USE WITH THE OWNER'S REPRESENTATIVE. WHERE EXISTING BUILDING SERVICE IS REQUIRED TO BE SHUT DOWN, INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWNS MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS. COORDINATE ELECTRICAL SHUT DOWNS WITH THE OWNER 72 HOURS PRIOR TO SHUT DOWN.

(#) DEMOLITION NOTES:

A. EXISTING CIRCUITING, NORMAL AND EMERGENCY SHALL REMAIN FOR REUSE.

B. DISCONNECT POWER TO MECHANICAL EQUIPMENT. EXISTING CIRCUITING SHALL REMAIN FOR REUSE.

C. REMOVE DUCT DETECTOR, AND REPLACE WITH NEW.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR ELECTRICAL DEMOLITION PLAN - ZONE D

KEY PLAN N.T.S.

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	SC
CHECKED	GJZ
APPROVED	GJZ

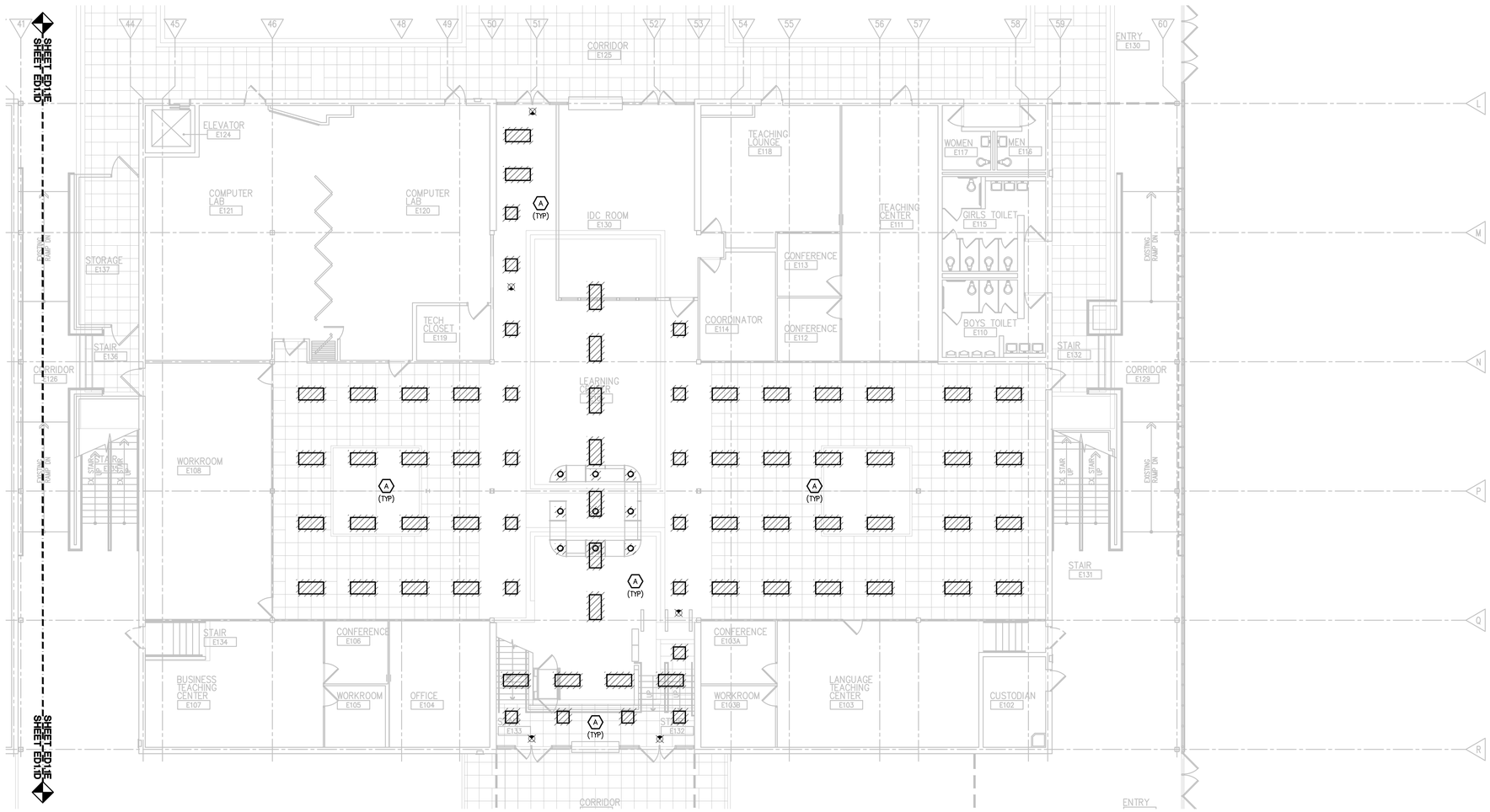
PROJECT NO.

13083E

DRAWING NO.

ED1.1D

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR ELECTRICAL DEMOLITION PLAN - ZONE E

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

GENERAL NOTES:

1. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION WORK.
2. EXAMINE THE DRAWINGS OF OTHER TRADES AND BE FAMILIAR WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM ALL INCIDENTAL ELECTRICAL DEMOLITION AND/OR RELOCATION REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES, WHETHER OR NOT SPECIFICALLY INDICATED.
3. REMOVE LIGHTING FIXTURES AND ELECTRICAL DEVICES AS INDICATED ON PLAN WITH CROSS HATCHING. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO, THOSE DEVICES SHOWN.
4. COORDINATE WITH NEW WORK PLANS, ONE LINE DIAGRAMS AND RISER DIAGRAMS FOR EXTENT OF DEMOLITION WORK.
5. PROVIDE PROPER SUPPORT FOR EXISTING TO REMAIN CONDUITS AND BOXES WHERE EXISTING SUPPORT IS TO BE REMOVED. RE-ROUTE BRANCH CIRCUIT CONDUITS AND RELOCATE JUNCTION BOXES AS REQUIRED TO FACILITATE INSTALLATION OF NEW EQUIPMENT AND SYSTEMS IN CEILING SPACES.
6. REMOVE ALL CONDUIT AND WIRE BACK TO THE SOURCE OR NEAREST UPSTREAM DEVICE REMAINING IN SERVICE.
7. MAINTAIN ELECTRICAL SERVICE TO ALL LIGHTING FIXTURES, DEVICES AND EQUIPMENT THAT ARE TO REMAIN. EXTEND CONDUIT AND WIRE AS REQUIRED WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM LOADS THAT ARE TO REMAIN.
8. DISPOSE OF ALL MATERIALS OFF SITE AND INCLUDE ALL COSTS FOR DISPOSAL IN BID. ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING TCLP TESTING, PROPER DISPOSAL AND/OR RECYCLING OF FLUORESCENT LAMPS.
9. PROVIDE BLANK STAINLESS STEEL COVER PLATES WHERE SWITCHES AND DEVICES ARE REMOVED BUT EXISTING WALLS REMAIN INTACT.
10. RING OUT AND TAG ALL CIRCUITS AFFECTED BY THIS ALTERATION AT BOTH ENDS. MARK ALL UNUSED CIRCUIT BREAKERS "SPARE". PROVIDE NEW TYPE WRITTEN PANELBOARD DIRECTORY.
11. PROVIDE UPDATED TYPED-IN DIRECTORIES FOR ALL PANELS AFFECTED BY THIS ALTERATION.
12. VERIFY ALL UNDERGROUND AND IN SLAB UTILITY LOCATIONS PRIOR TO SAW-CUTTING OR PENETRATING ANY FLOOR SLAB.
13. COORDINATE ANY SHUT DOWN OF EXISTING SERVICES AND EQUIPMENT THAT ARE REMAINING IN USE WITH THE OWNER'S REPRESENTATIVE. WHERE EXISTING BUILDING SERVICE IS REQUIRED TO BE SHUT DOWN, INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWNS MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS. COORDINATE ELECTRICAL SHUT DOWNS WITH THE OWNER 72 HOURS PRIOR TO SHUT DOWN.

(#) DEMOLITION NOTES:

A. EXISTING CIRCUITING, NORMAL AND EMERGENCY SHALL REMAIN FOR REUSE.

B. DISCONNECT POWER TO MECHANICAL EQUIPMENT. EXISTING CIRCUITING SHALL REMAIN FOR REUSE.

C. REMOVE DUCT DETECTOR, AND REPLACE WITH NEW.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

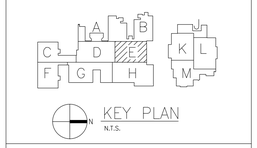
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR ELECTRICAL DEMOLITION PLAN - ZONE E



ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	SC
CHECKED	GJZ
APPROVED	GJZ

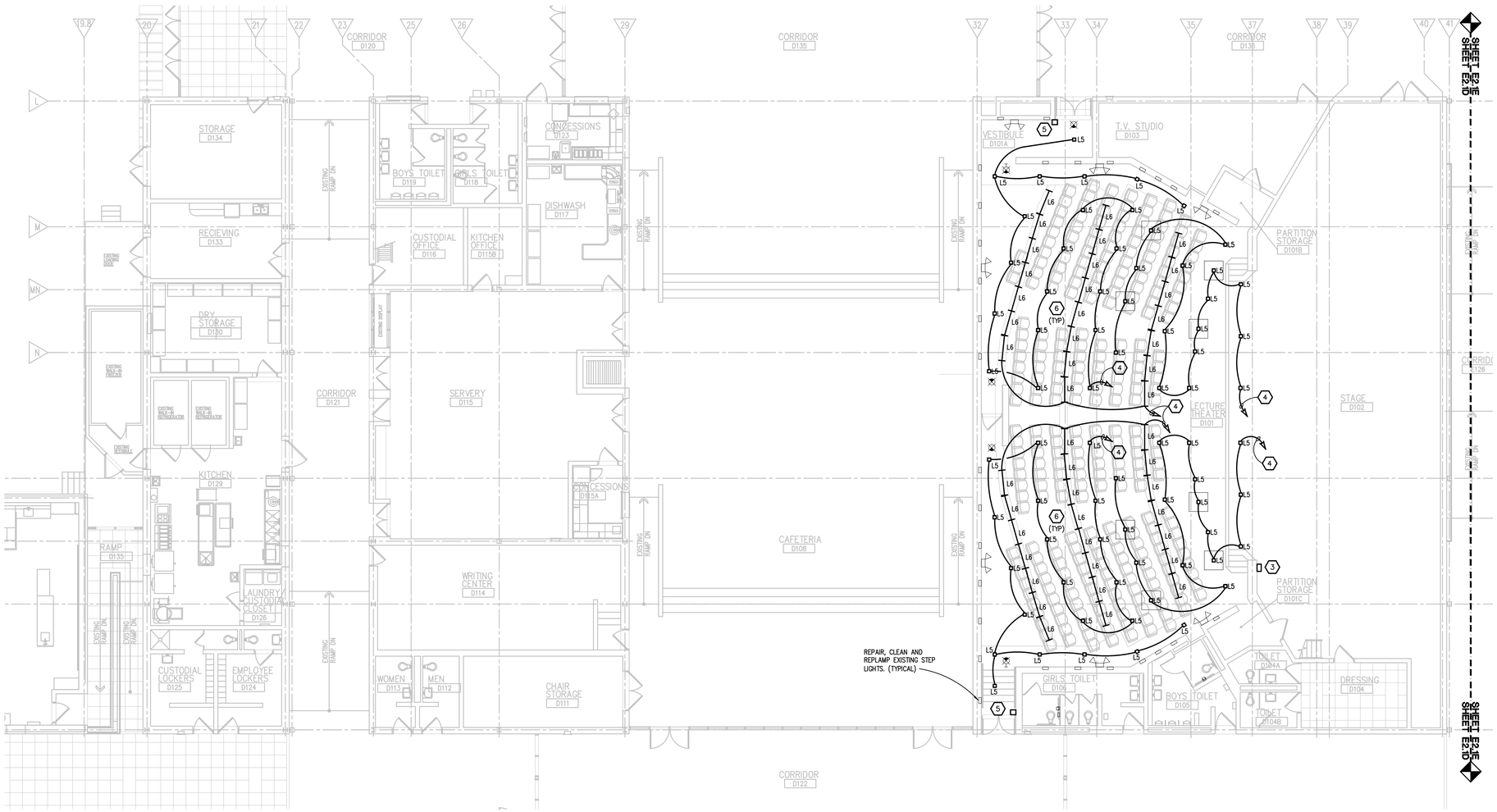
PROJECT NO.

13083E

DRAWING NO.

ED1.1E

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR LIGHTING PLAN - ZONE D

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

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

CONSTRUCTION KEY NOTES:

1. CONNECT NEW LIGHTING TO EXISTING NORMAL AND EMERGENCY CIRCUITING. EXTEND CIRCUITING AS REQUIRED.
2. NEW 277V SWITCHING TO REPLACE EXISTING LOW VOLTAGE SWITCHING. CONNECT TO EXISTING CIRCUIT AND EXTEND CIRCUITING AS REQUIRED. SWITCHING MAYBE SINGLE, TWO LEVEL, 3 WAY ETC. NEW SWITCHING TYPE AND LOCATION SHALL MATCH EXISTING. EXISTING RECESSED BOXES SHALL BE REUSED. PROVIDE NEW STAINLESS STEEL COVER PLATES AS REQUIRED.
3. NEW MASTER LIGHTING CONTROLLER FOR HOUSE LIGHTS. PROVIDE 120V CIRCUIT FROM NEAREST AVAILABLE SOURCE. SEE LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
4. PROVIDE CONTROL WIRING BETWEEN FIXTURES AND CONNECT TO NEW LIGHTING CONTROLLER. EXTEND CIRCUITING AND CONTROL WIRING AS REQUIRED. REFER TO LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
5. LIGHTING PUSH BUTTON CONTROL. REUSE EXISTING RECESSED CONDUIT FROM OLD SWITCH LOCATION.
6. FOR NEW LIGHTING THE ELECTRICAL CONTRACTOR SHALL PATCH/REPAIR/PAINT CEILING AS REQUIRED.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR NEW CORRIDOR CEILINGS. PRIOR TO BIDS THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DEVICES IN CEILINGS TO BE REMOVED AND REINSTALLED IN NEW GRID. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: LIGHTING, EXIT LIGHTS, OCCUPANCY SENSORS, SPEAKERS, WI FI DEVICES, SECURITY DEVICES, ETC. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL DEVICES BACK IN SIMILAR LOCATIONS AND IN COMPLETE WORKING CONDITION.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR LIGHTING PLAN - ZONE D

KEY PLAN N.T.S.

ISSUE DATES

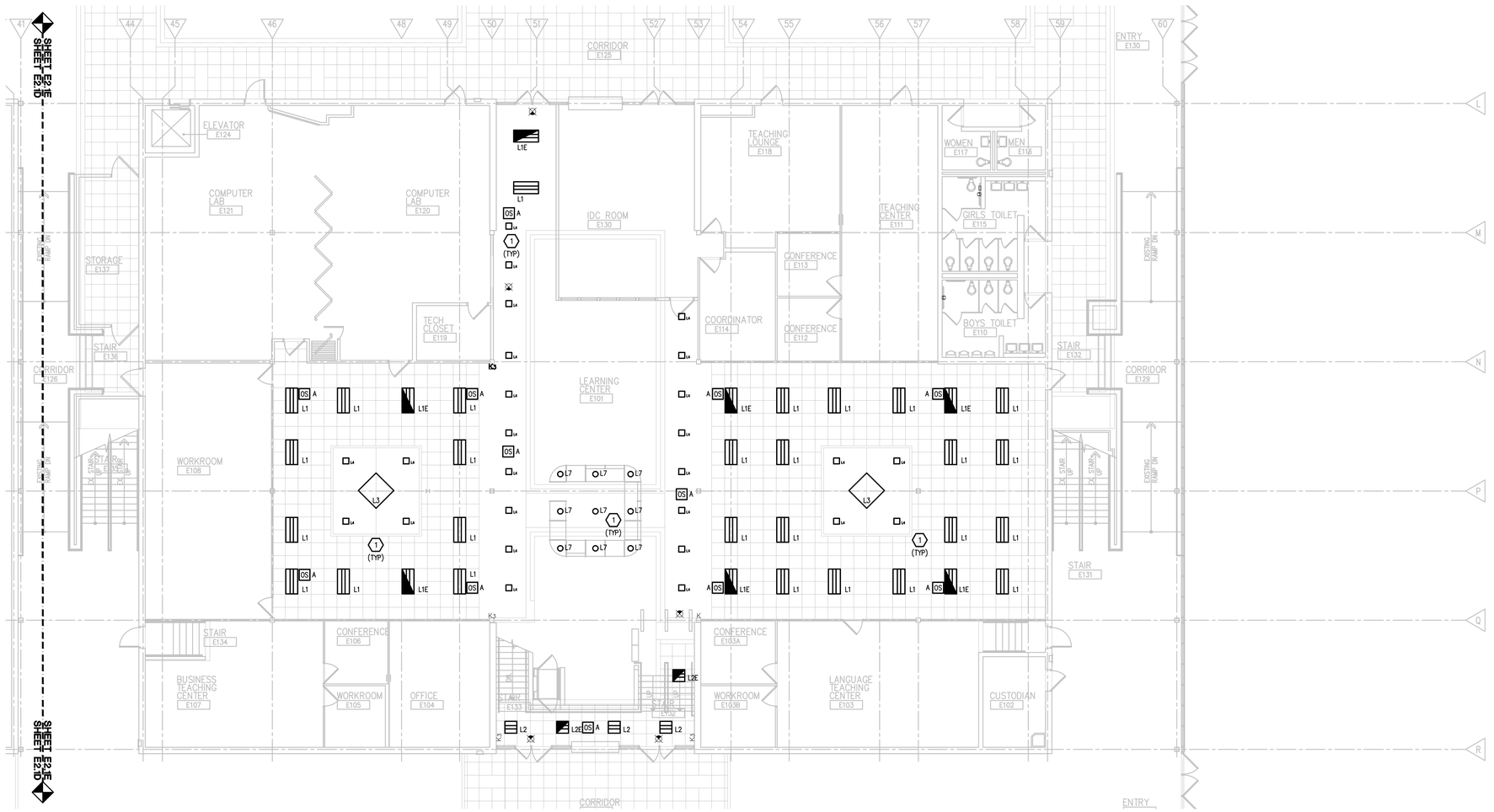
DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN SC
CHECKED GJZ
APPROVED GJZ

PROJECT NO.
13083E

DRAWING NO.
E2.1D

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR LIGHTING PLAN - ZONE E

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

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

CONSTRUCTION KEY NOTES:

1. CONNECT NEW LIGHTING TO EXISTING NORMAL AND EMERGENCY CIRCUITING. EXTEND CIRCUITING AS REQUIRED.
2. NEW 277V SWITCHING TO REPLACE EXISTING LOW VOLTAGE SWITCHING. CONNECT TO EXISTING CIRCUIT AND EXTEND CIRCUITING AS REQUIRED. SWITCHING MAYBE SINGLE, TWO LEVEL, 3 WAY ETC. NEW SWITCHING TYPE AND LOCATION SHALL MATCH EXISTING. EXISTING RECESSED BOXES SHALL BE REUSED. PROVIDE NEW STAINLESS STEEL COVER PLATES AS REQUIRED.
3. NEW MASTER LIGHTING CONTROLLER FOR HOUSE LIGHTS. PROVIDE 120V CIRCUIT FROM NEAREST AVAILABLE SOURCE. SEE LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
4. PROVIDE CONTROL WIRING BETWEEN FIXTURES AND CONNECT TO NEW LIGHTING CONTROLLER. EXTEND CIRCUITING AND CONTROL WIRING AS REQUIRED. REFER TO LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
5. LIGHTING PUSH BUTTON CONTROL. REUSE EXISTING RECESSED CONDUIT FROM OLD SWITCH LOCATION.
6. FOR NEW LIGHTING THE ELECTRICAL CONTRACTOR SHALL PATCH/REPAIR/PAINT CEILING AS REQUIRED.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR NEW CORRIDOR CEILINGS. PRIOR TO BIDS THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DEVICES IN CEILINGS TO BE REMOVED AND REINSTALLED IN NEW GRID. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: LIGHTING, EXIT LIGHTS, OCCUPANCY SENSORS, SPEAKERS, WI FI DEVICES, SECURITY DEVICES, ETC. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL DEVICES BACK IN SIMILAR LOCATIONS AND IN COMPLETE WORKING CONDITION.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR LIGHTING PLAN - ZONE E

KEY PLAN N.T.S.

ISSUE DATES

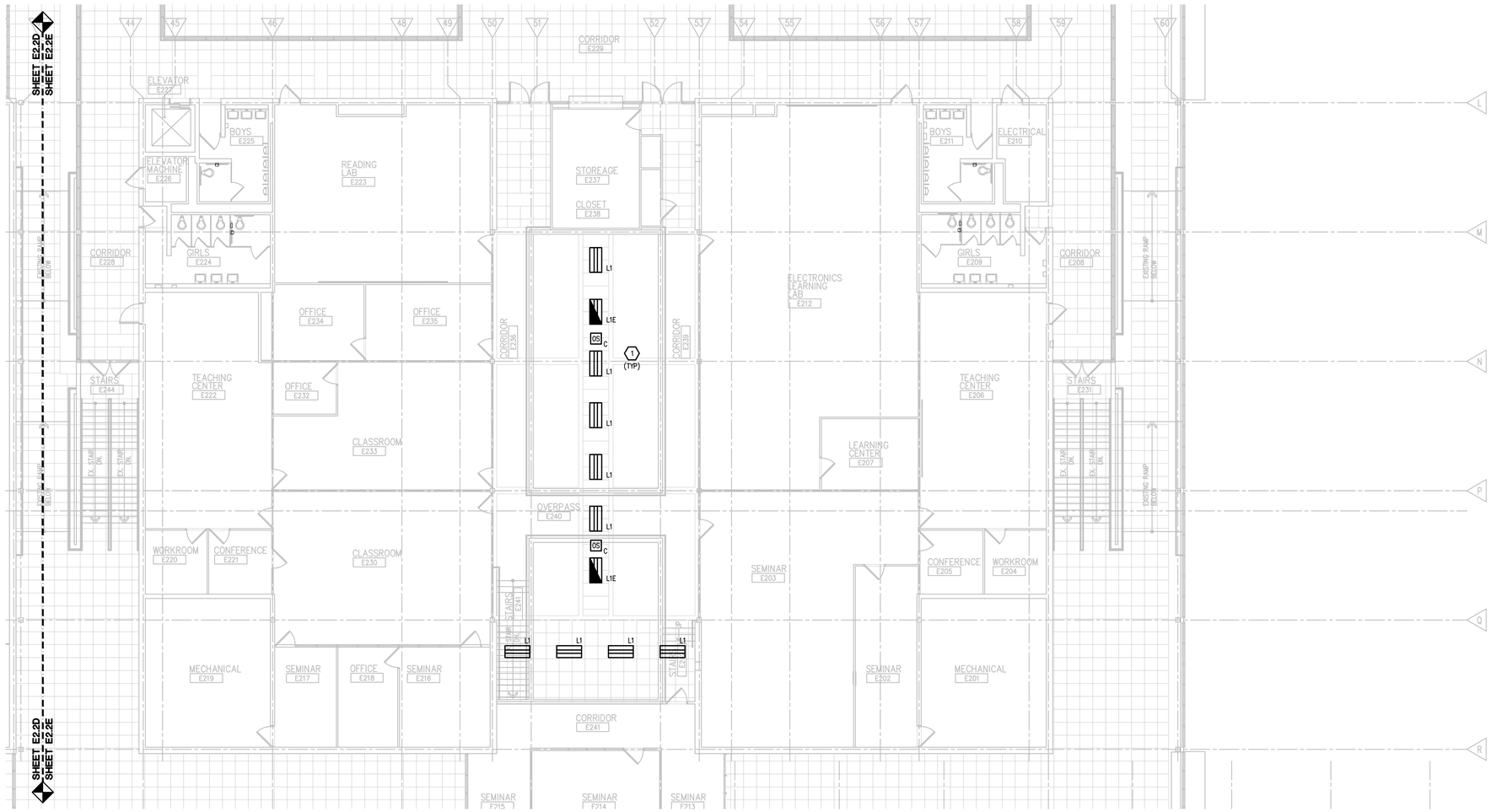
DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN SC
CHECKED GJZ
APPROVED GJZ

PROJECT NO.
13083E

DRAWING NO.
E2.1E

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



SECOND FLOOR LIGHTING PLAN - ZONE E

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

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

CONSTRUCTION KEY NOTES:

1. CONNECT NEW LIGHTING TO EXISTING NORMAL AND EMERGENCY CIRCUITING. EXTEND CIRCUITING AS REQUIRED.
2. NEW 277V SWITCHING TO REPLACE EXISTING LOW VOLTAGE SWITCHING. CONNECT TO EXISTING CIRCUIT AND EXTEND CIRCUITING AS REQUIRED. SWITCHING MAYBE SINGLE, TWO LEVEL, 3 WAY ETC. NEW SWITCHING TYPE AND LOCATION SHALL MATCH EXISTING. EXISTING RECESSED BOXES SHALL BE REUSED. PROVIDE NEW STAINLESS STEEL COVER PLATES AS REQUIRED.
3. NEW MASTER LIGHTING CONTROLLER FOR HOUSE LIGHTS. PROVIDE 120V CIRCUIT FROM NEAREST AVAILABLE SOURCE. SEE LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
4. PROVIDE CONTROL WIRING BETWEEN FIXTURES AND CONNECT TO NEW LIGHTING CONTROLLER. EXTEND CIRCUITING AND CONTROL WIRING AS REQUIRED. REFER TO LIGHTING CONTROLLER DETAIL ON E7 SERIES DRAWINGS.
5. LIGHTING PUSH BUTTON CONTROL. REUSE EXISTING RECESSED CONDUIT FROM OLD SWITCH LOCATION.
6. FOR NEW LIGHTING THE ELECTRICAL CONTRACTOR SHALL PATCH/REPAIR/PAINT CEILING AS REQUIRED.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR NEW CORRIDOR CEILINGS. PRIOR TO BIDS THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DEVICES IN CEILINGS TO BE REMOVED AND REINSTALLED IN NEW GRID. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: LIGHTING, EXIT LIGHTS, OCCUPANCY SENSORS, SPEAKERS, WI FI DEVICES, SECURITY DEVICES, ETC. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL DEVICES BACK IN SIMILAR LOCATIONS AND IN COMPLETE WORKING CONDITION.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

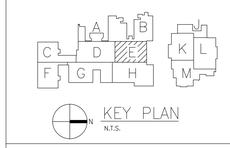
PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

SECOND FLOOR LIGHTING PLAN - ZONE E



ISSUE DATES

01-19-2017	BIDS
DATE:	ISSUED FOR:

DRAWN .
CHECKED .
APPROVED .

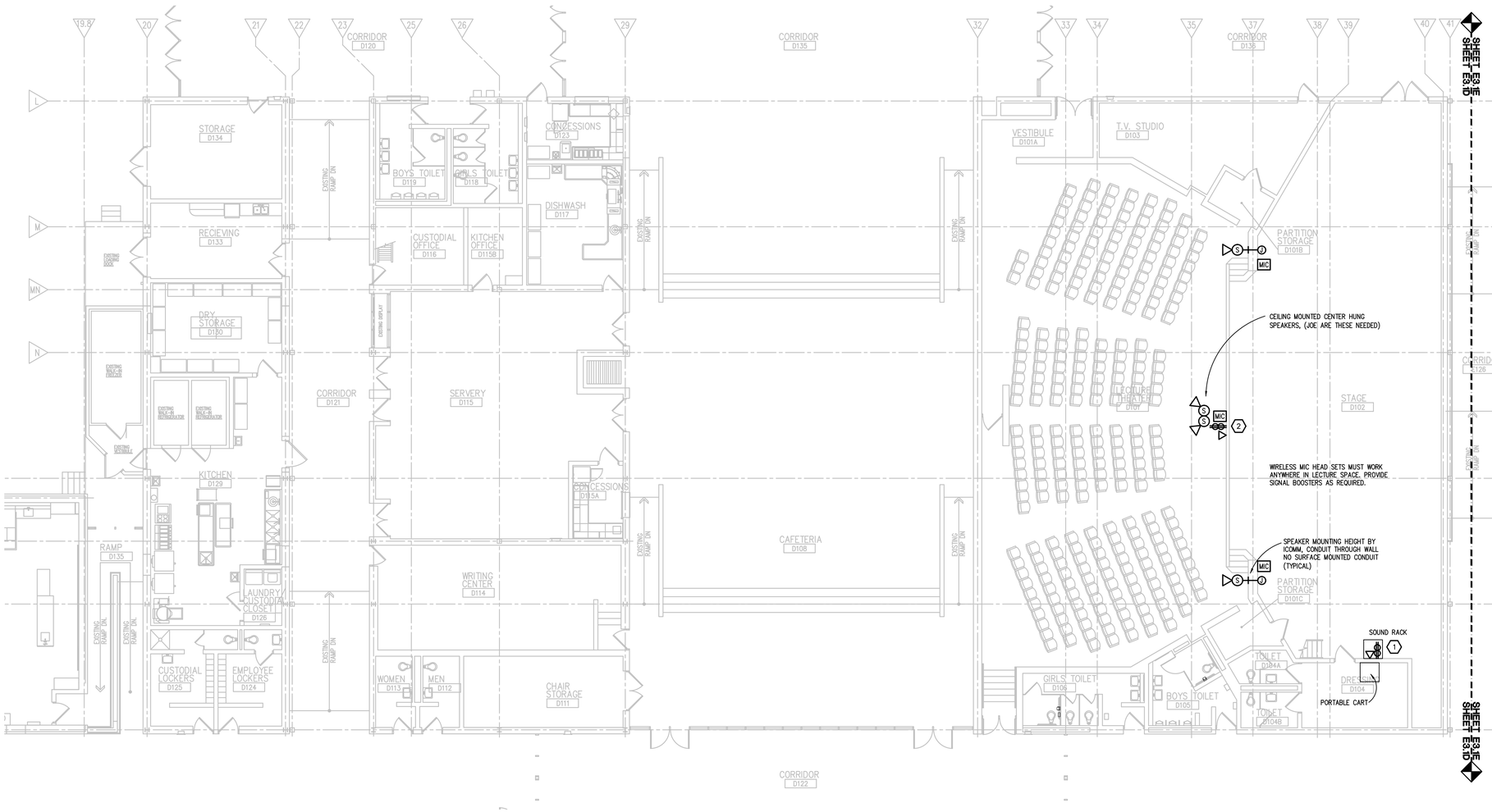
PROJECT NO.

13083E

DRAWING NO.

E2.2E

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR POWER PLAN - ZONE D

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

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

(#) CONSTRUCTION KEY NOTES:

1. CONNECT TO NEAREST AVAILABLE 120V DEDICATED CIRCUIT.
2. PROVIDE SURFACE MOLD WIREMOLD AS REQUIRED.

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

FIRST FLOOR POWER PLAN - ZONE D

KEY PLAN N.T.S.

ISSUE DATES

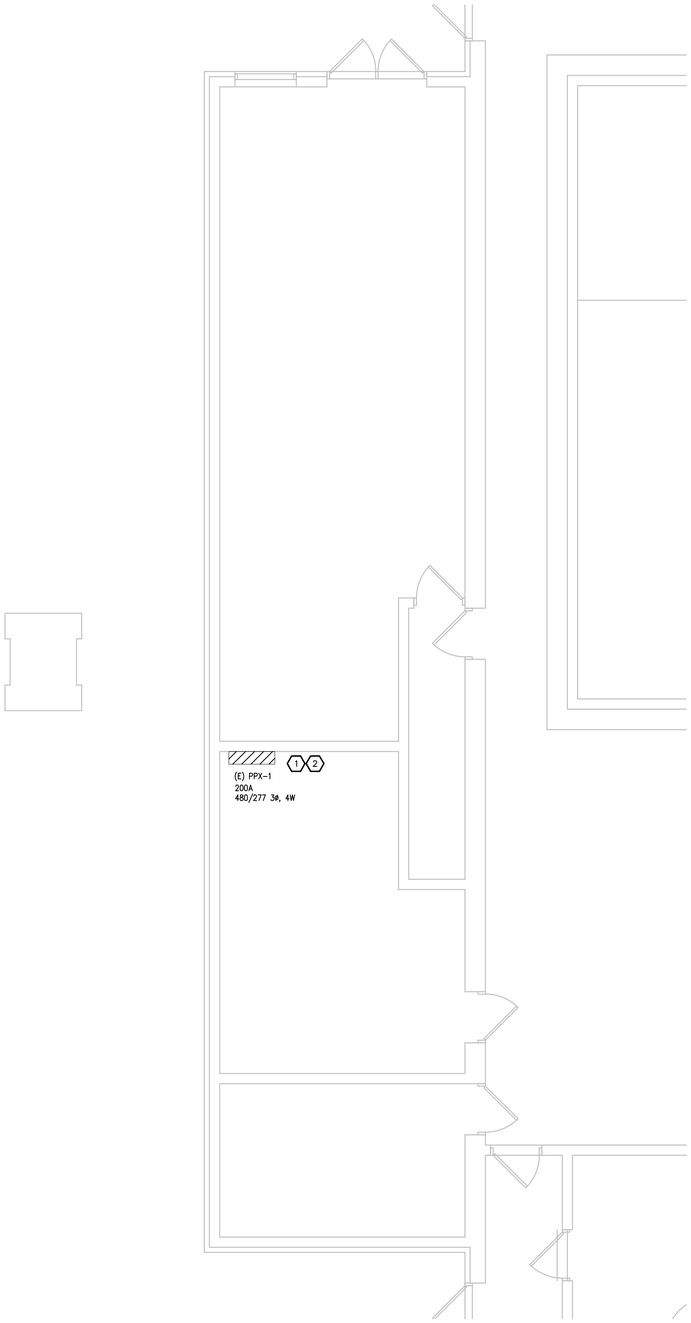
DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN SC
CHECKED GJZ
APPROVED GJZ

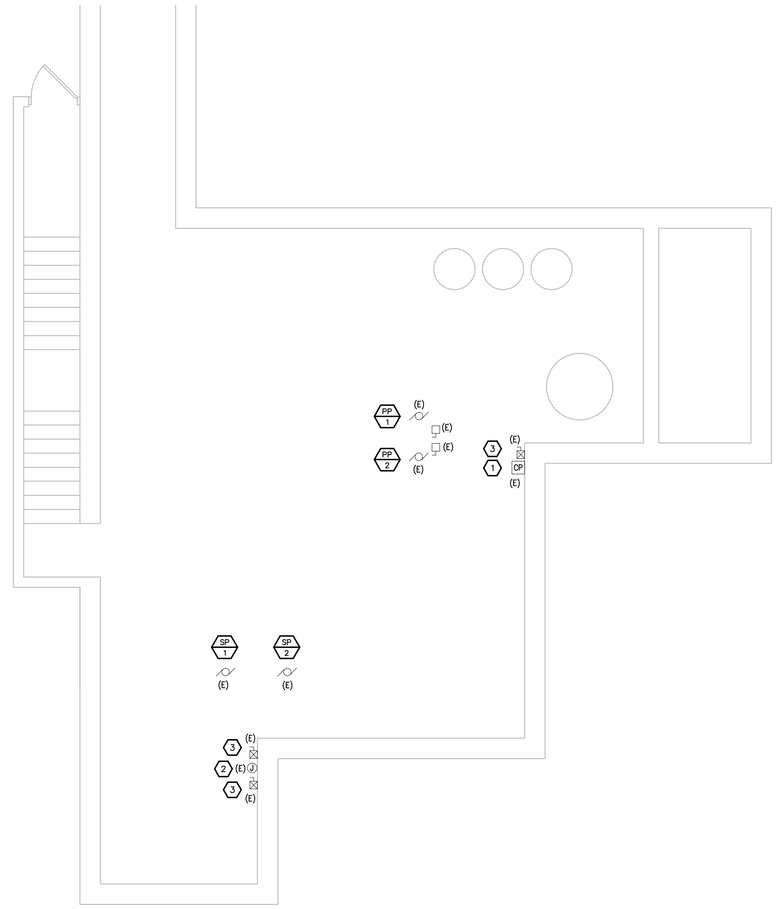
PROJECT NO.
13083E

DRAWING NO.
E3.1D

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



FIRST FLOOR ELECTRICAL NEW WORK PLAN
SCALE: 1/4" = 1' - 0"



BASEMENT ELECTRICAL NEW WORK PLAN
SCALE: 1/4" = 1' - 0"

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

(#) CONSTRUCTION NOTES:

1. DISCONNECT AND REMOVE EXISTING POOL PUMPS (PP) BRANCH CIRCUIT. PROVIDE NEW BRANCH CIRCUIT FROM PPX-1 TO SERVE EXISTING POOL PUMPS. REPLACE EXISTING 60 AMP 3 POLE SPARE CIRCUIT BREAKER IN PPX-1 WITH 50 AMP 3 POLE CIRCUIT BEAKER TO SERVE POOL PUMPS.
2. DISCONNECT AND REMOVE EXISTING SUMP PUMPS (SP) BRANCH CIRCUIT. PROVIDE NEW BRANCH CIRCUIT FROM PPX-1 TO SERVE EXISTING SUMP PUMPS. REPLACE EXISTING 60 AMP 3 POLE SPARE CIRCUIT BREAKER IN PPX-1 WITH 40 AMP 3 POLE CIRCUIT BEAKER TO SERVE SUMP PUMPS.
3. PROVIDE TIME DELAY RELAY TO EXISTING MOTOR STARTING CIRCUIT. REFER TO DETAIL ON SHEET E0.2.

PPX-1 CONNECTED LOAD

EXISTING METERED 21 KW (1.25)	26.2 KW
ADDED LOAD	
15 HP POOL PUMP	17.4 KW
7 1/2 HP SUMP PUMP	9.1 KW
7 1/2 HP SUMP PUMP	9.1 KW
TOTAL	61.8 KW

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE
ENLARGED ELECTRICAL PLANS

ISSUE DATES

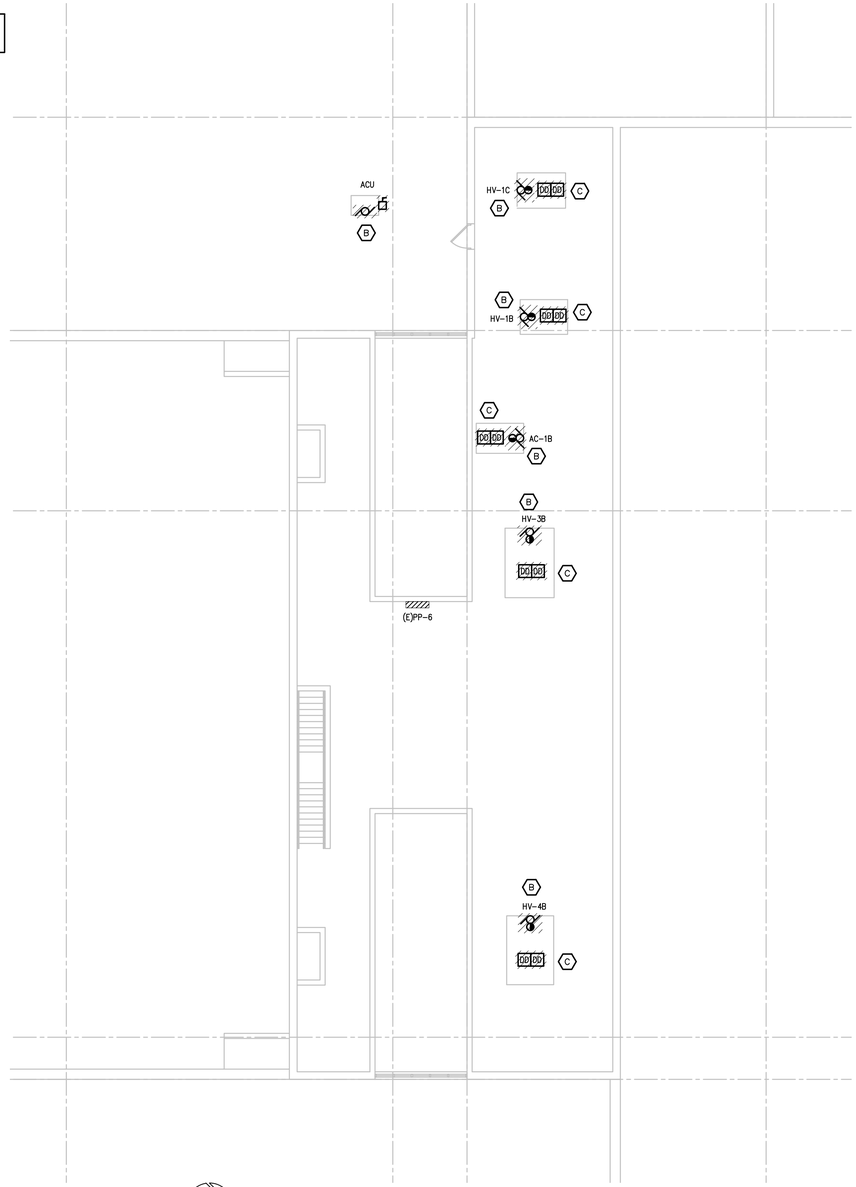
DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN SC
CHECKED GJZ
APPROVED GJZ

PROJECT NO.
13083E

DRAWING NO.
E4.1

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"



ENLARGED ELECTRICAL DEMOLITION PLAN

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

GENERAL NOTES:

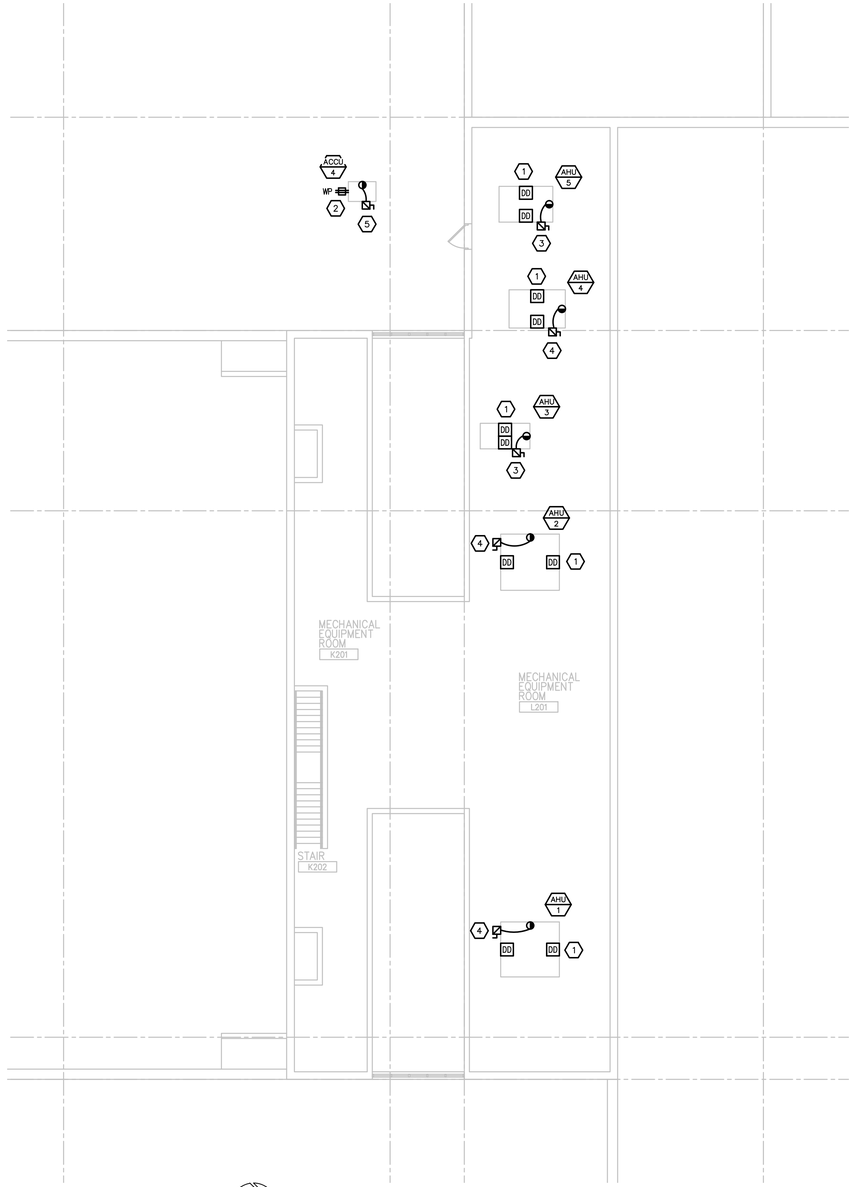
1. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION WORK.
2. EXAMINE THE DRAWINGS OF OTHER TRADES AND BE FAMILIAR WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM ALL INCIDENTAL ELECTRICAL DEMOLITION AND/OR RELOCATION REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES, WHETHER OR NOT SPECIFICALLY INDICATED.
3. REMOVE LIGHTING FIXTURES AND ELECTRICAL DEVICES AS INDICATED ON PLAN WITH CROSS HATCHING. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO, THOSE DEVICES SHOWN.
4. COORDINATE WITH NEW WORK PLANS, ONE LINE DIAGRAMS AND RISER DIAGRAMS FOR EXTENT OF DEMOLITION WORK.
5. PROVIDE PROPER SUPPORT FOR EXISTING TO REMAIN CONDUITS AND BOXES WHERE EXISTING SUPPORT IS TO BE REMOVED. RE-ROUTE BRANCH CIRCUIT CONDUITS AND RELOCATE JUNCTION BOXES AS REQUIRED TO FACILITATE INSTALLATION OF NEW EQUIPMENT AND SYSTEMS IN CEILING SPACES.
6. REMOVE ALL CONDUIT AND WIRE BACK TO THE SOURCE OR NEAREST UPSTREAM DEVICE REMAINING IN SERVICE.
7. MAINTAIN ELECTRICAL SERVICE TO ALL LIGHTING FIXTURES, DEVICES AND EQUIPMENT THAT ARE TO REMAIN. EXTEND CONDUIT AND WIRE AS REQUIRED WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM LOADS THAT ARE TO REMAIN.
8. DISPOSE OF ALL MATERIALS OFF SITE AND INCLUDE ALL COSTS FOR DISPOSAL IN BID. ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING TCLP TESTING, PROPER DISPOSAL AND/OR RECYCLING OF FLUORESCENT LAMPS.
9. PROVIDE BLANK STAINLESS STEEL COVER PLATES WHERE SWITCHES AND DEVICES ARE REMOVED BUT EXISTING WALLS REMAIN INTACT.
10. RING OUT AND TAG ALL CIRCUITS AFFECTED BY THIS ALTERATION AT BOTH ENDS. MARK ALL UNUSED CIRCUIT BREAKERS "SPARE". PROVIDE NEW TYPE WRITTEN PANELBOARD DIRECTORY.
11. PROVIDE UPDATED TYPED-IN DIRECTORIES FOR ALL PANELS AFFECTED BY THIS ALTERATION.
12. VERIFY ALL UNDERGROUND AND IN SLAB UTILITY LOCATIONS PRIOR TO SAW-CUTTING OR PENETRATING ANY FLOOR SLAB.
13. COORDINATE ANY SHUT DOWN OF EXISTING SERVICES AND EQUIPMENT THAT ARE REMAINING IN USE WITH THE OWNER'S REPRESENTATIVE. WHERE EXISTING BUILDING SERVICE IS REQUIRED TO BE SHUT DOWN, INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWNS MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS. COORDINATE ELECTRICAL SHUT DOWNS WITH THE OWNER 72 HOURS PRIOR TO SHUT DOWN.

(#) DEMOLITION NOTES:

A. EXISTING CIRCUITING, NORMAL AND EMERGENCY SHALL REMAIN FOR REUSE.

B. DISCONNECT POWER TO MECHANICAL EQUIPMENT. EXISTING CIRCUITING SHALL REMAIN FOR REUSE.

C. REMOVE DUCT DETECTOR, AND REPLACE WITH NEW.



ENLARGED ELECTRICAL NEW WORK PLAN

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

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
7. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

(#) CONSTRUCTION KEY NOTES:

1. DUCT SMOKE DETECTOR SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. COORDINATE REQUIRED QUANTITIES AND MOUNTING LOCATIONS WITH THE DUCTWORK CONTRACTOR TO MEET CODE (PROVIDE 4 DUCT SMOKE DETECTORS PER AHU/RTU FOR BID PURPOSES, QUANTITIES WILL BE ADJUSTED AFTER COMPLETION OF WORK). COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR SO THAT UPONDETECTION OF SMOKE, THE SUPPLY/RETURN FAN WILL SHUT DOWN. ELECTRICAL CONTRACTOR SHALL WIRE DUCT SMOKE DETECTOR TO FIRE ALARM SYSTEM. CONTROL OF AIR HANDLING EQUIPMENT IS VIA THE FIRE ALARM CONTROL PANEL. PROVIDE ALL REQUIRED FIRE ALARM CONTROL MODULES AND RELAYS TO INTERFACE WITH SUPPLY FAN AND ASSOCIATED RETURN FAN (OR EXHAUST FAN). COORDINATE WORK WITH THE TEMPERATURE CONTROL CONTRACTOR AND FIRE ALARM VENDER. PROVIDE ALL CONTROL MODULES, RELAYS, ETC FOR A COMPLETE SYSTEM.
2. CONNECT SERVICE RECEPTACLE TO NEAREST AVAILABLE 120V CIRCUIT.
3. NEW MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. CIRCUIT TO EXISTING FEEDER VIA NEW FUSED DISCONNECT SWITCH. SWITCH SHALL BE 30A FUSED AT 15A. EXTEND CIRCUITING AS REQUIRED.
4. NEW MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. CIRCUIT TO EXISTING FEEDER VIA NEW FUSED DISCONNECT SWITCH. SWITCH SHALL BE 30A FUSED AT 20A. EXTEND CIRCUITING AS REQUIRED.
5. NEW MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. CIRCUIT TO EXISTING FEEDER VIA NEW FUSED DISCONNECT SWITCH. SWITCH SHALL BE NEMA3R 60A FUSED AT 40A. EXTEND CIRCUITING AS REQUIRED.

TMP ARCHITECTURE

TMP ARCHITECTURE INC

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

ENLARGED ELECTRICAL MEZANINE PLANS

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

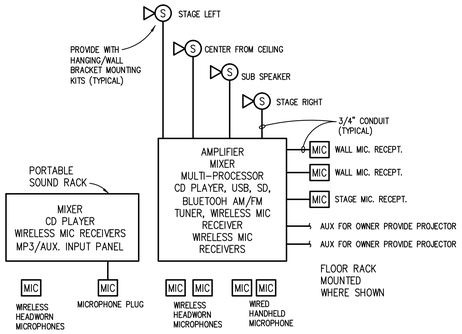
DRAWN SC
CHECKED GJZ
APPROVED GJZ

PROJECT NO.

13083E

DRAWING NO.

E4.2



LECTURE THEATRE SOUND SYSTEM DETAIL

NO SCALE

NOTE:
PROVIDE ALL CABLING PER MANUFACTURERS RECOMMENDATIONS. EQUIPMENT TO BE FURNISHED AND INSTALLED BY ICOMM (AS SUB-CONTRACTOR TO THE E.C.).
PROVIDE ALL MISC WIRE/CABLING CONNECTORS AND BRACKETS FOR A COMPLETE SYSTEM.
TEST AND TUNE SYSTEM. PROVIDE OWNER TRAINING. ENTIRE SYSTEM SHALL BE WARRANTIED FOR FOR 1 YEARS FROM DATE OF ACCEPTANCE.

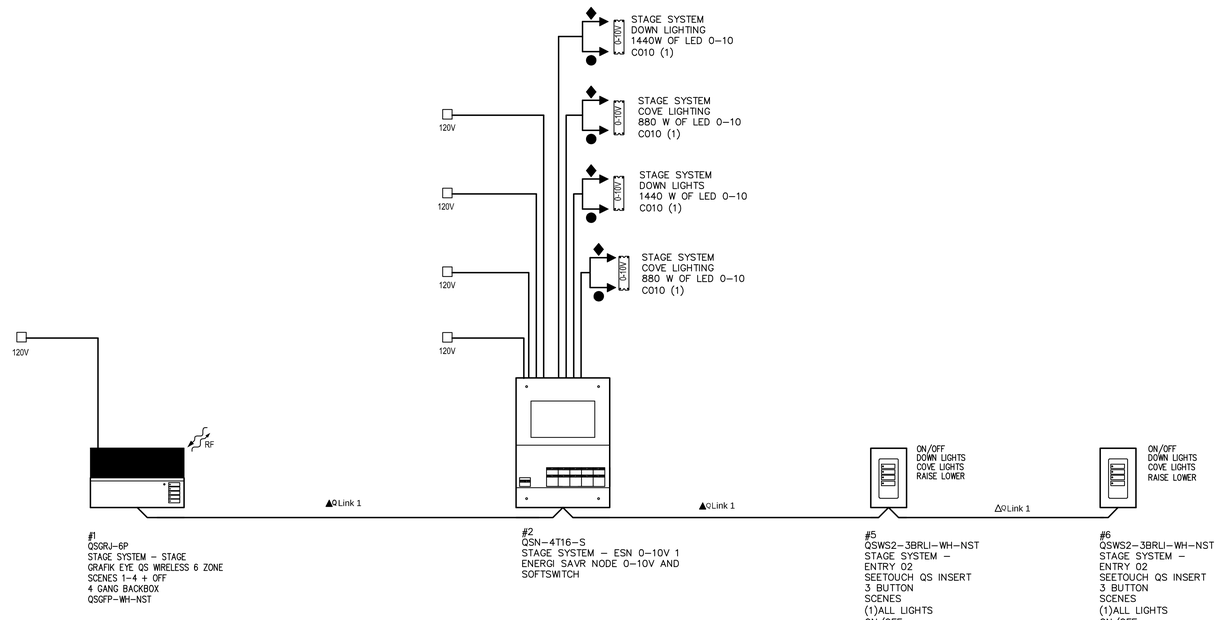
EACH SPEAKER SHALL HAVE ITS OWN SEPARATE HOME RUN BACK TO AMP FOR STEREO.

EQUIPMENT LIST

(MISC. EQUIPMENT)
3 ISP SM-2110 SPEAKERS WITH A NEW ISP MASTER CONTROL PROCESSOR
1 ISP SB112 SUBWOOFER WITH MOUNTING BREAKETS
1 CEILING "B" BRACKET KIT.
3 WALL MOUNTED MICROPHONE OUTLETS WITH MICROPHONE JACKS
2 SHURE SM58S MICROPHONE WITH 25' CABLE

(FLOOR RACK)
2 CROWN CDI-1000 AMPLIFIERS
1 SHURE SCM800 MIXER
1 DBX 220I DRIVERACK FEEDBACK SUPPRESSOR MULTI-PROCESSOR
1 MIDDLE ALANTIC RACK (ERK-2524XS SLIDE OUT) SIZE TO HOUSE EQUIPMENT NEED WITH TWO RACK SPACE LOCKABLE DRAWER, PLUG STRIP AND FRONT DOOR.
1 BLUE TOOTH
2 AUX FOR EXISTING PROJECTOR
2 USB JACKS
2 WIRELESS MIC'S (MICS MUST BE USED THROUGH OUT THE ENTIRE SPACE, PROVIDE BOOSTER SIGNAL DEVICES AS REQUIRED)

(PORTABLE RACK)
1 MACKIE 1604VLZ4 MIXING BOARD
1 DENNON DN-C615 CD PLAYER
2 AKG WMS470 WIRELESS HANDHELD MICROPHONE AND ALL COMPONENTS OR EQUAL
1 AKG WMS470 WIRELESS PRESENTER HEADWORN MIRCOPHONE AND ALL COMPONENTS OR EQUAL
1 PROCO IRACK MP3/AUX. INPUT PANEL
1 LOWELL PORTABLE RACK (SIZED TO HOUSE EQUIPMENT NEEDED) WITH CASTERS, TWO RACK SPACE LOCKABLE DRAWER AND PLUG STRIP, SYSTEM SHALL BE CAPABLE OF PROVIDING MUSIC FROM CD PLAYER, TUNER, USB AND BLUE TOOTH AND MAKE ANNOUNCEMENTS FROM WIRELESS MICROPHONES AND WIRED MICROPHONES BY PLUGGING INTO ANY MICROPHONE JACK



LIGHTING CONTROLLER DETAIL

NO SCALE

NOTE:
PROVIDE 1 HOUR OF OWNERS TANNING AND 1 HOUR OF COMMISSIONS WITH LUTRON.

WIRE LEGEND

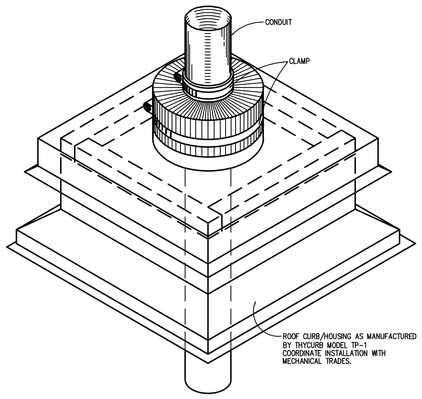
△◇ QS CONTROL LINK (CONNECT WIRES 1, 2, 3 AND 4)*

▲◇ QS CONTROL LINK (CONNECT WIRES 1, 3 AND 4. DO NOT CONNECT WIRE 2)*

□ NORMAL INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND

● 2 #12 AWG (4 SQ MM) + GROUND

◆ 0-10V SIGNAL: 2#18AWG (1.0 SQ MM)

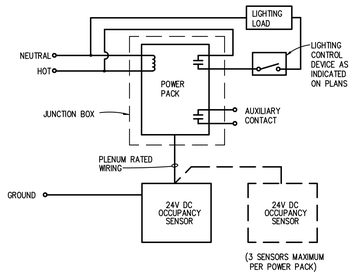


PROVIDE NEW CONDUIT ROOF PENETRATION DETAIL

NO SCALE

NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUBCONTRACT BUILDING ROOF CONTRACTOR FOR INSTALLATION OF FLASHING.
2. REUSE OF EXISTING CURB HOUSING WILL NOT BE ACCEPTABLE.

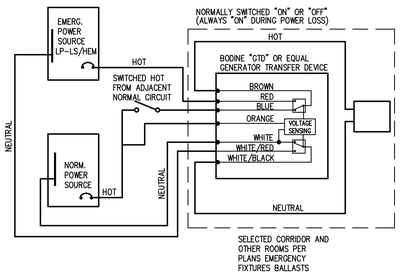


NOTES:

1. REFER TO SPECIFICATIONS FOR ACCEPTED MANUFACTURERS.
2. PROVIDE POWER PACKS AND SLAVE PACKS AS REQUIRED FOR SWITCHING AS INDICATED ON PLAN. REVISE DETAIL AS REQUIRED BY MANUFACTURER.
3. MOUNTING LOCATION PER MANUFACTURER'S RECOMMENDATION.
4. ADJUST SENSITIVITY LEVELS PER THE OWNER REQUIREMENTS.
5. PROVIDE FACTORY SUPPORT FOR AIMING/ADJUSTING OF SENSORS.
6. PLACE CEILING MOUNTED OCCUPANCY SENSORS IN CENTER OF A FULL CEILING TILE, WHERE APPLICABLE.
7. SENSOR ADJUSTMENT: BEFORE MAKING ADJUSTMENTS, MAKE SURE ROOM FURNITURE IS INSTALLED, LIGHTING CIRCUITS ARE TURNED ON, AND THE HVAC SYSTEMS ARE IN THE ON POSITION. VAV SYSTEMS SHOULD BE SET TO THEIR HIGHEST AIRFLOW. SET THE LOGIC CONFIGURATION DIP SWITCHES TO "EITHER". EITHER REQUIRES MOTION DETECTION BY ONLY ONE TECHNOLOGY. SET THE TIME DELAY PER OWNERS DIRECTION.

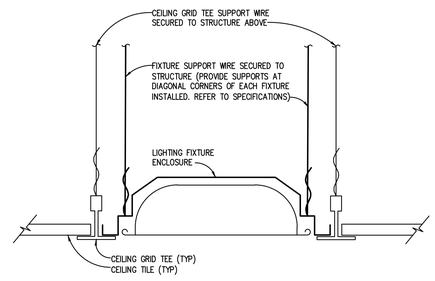
OCCUPANCY SENSOR WIRING DIAGRAM

NO SCALE



EMERGENCY LIGHTING (FOR SWITCHED FIXTURES) TRANSFER CIRCUIT WIRING DIAGRAM

NO SCALE



RECESSED LIGHTING FIXTURE INSTALLATION DETAIL

NO SCALE

TMP ARCHITECTURE

TMP ARCHITECTURE INC
1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

ELECTRICAL DETAILS AND DIAGRAMS

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN	SC
CHECKED	GJZ
APPROVED	GJZ

PROJECT NO.

13083E

DRAWING NO.

E7.1

ARCHITECTURE

T M P A R C H I T E C T U R E I N C

1191 WEST SQUARE LAKE ROAD
BLOOMFIELD HILLS • MICHIGAN • 48302
PH • 248.338.4561 FX • 248.338.0223
EM • INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

Peter Basso Associates Inc
CONSULTING ENGINEERS

5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2016.0439

PROJECT TITLE

Canton High School Remodeling

Plymouth Canton Community Schools

DRAWING TITLE

ELECTRICAL DETAILS AND DIAGRAMS

ISSUE DATES

DATE:	ISSUED FOR:
01-19-2017	BIDS

DRAWN SC
CHECKED GJZ
APPROVED GJZ

PROJECT NO.

13083E

DRAWING NO.

E7.2