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I.M. WEST ADDITION #1 (COURTYARD INFILL)

Michigan State University

East Lansing, Michigan

Project Number CP03111

BULLETIN NO. 1

I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED DWG NO: B-151-76 CARD NO: CP03111

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CONSULTANTS:

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LOCATION MAP

ADDRESS: MICHIGAN STATE UNIVERSITY
IM SPORTS WEST
EAST LANSING, MI 48824

PROJECT DATA

BUILDING:
BUILDING AREA =

	1st LEVEL	2nd LEVEL	3rd LEVEL
ALTERATIONS =	8,627.8	800.0	2,604.0
RENOVATION =	4,387.8	3,099.0	0.0
ADDITIONS =	3,844.0	8,959.3	0.0
TOTAL =	16,859.6	12,858.3	2,604.0

CODE:
GOVERNING CODES:

- 1999 School Fire Safety Rules (1997 Life Safety Code by reference plus state amendments and policy letters)
- Michigan Building Code - 2000
- Michigan Plumbing Code - 2003
- Michigan Mechanical Code - 2003
- 1999 National Electrical Code (plus state amendments, Part 8)
- Michigan Elevator Code (ASME A17.1-2000, ASME A18.1-1999 & ASME A18.1A addenda, plus state amendments)
- Michigan Barrier Free Code (Michigan Building Code - 2000 and ICC/ANSI A117.1)
- Michigan Boiler Rules - ASME Boiler and Pressure Vessel Code, 2001 Edition, plus addenda.

CONSTRUCTION CLASSIFICATION: TYPE II(000)
USE GROUP CLASSIFICATION: "A" (ASSEMBLY)

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REGISTRATION SEAL

REGISTRATION SEALS

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9-08-06 AS-BUILT
DATE ISSUED FOR:

PROJECT NO.
CP03111
TMP PROJECT NO. 03118

SHEET NO.
TS.1

ABBREVIATIONS

A

ABV.	ABOVE
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.B.	AIR CIRCUIT BREAKER
A/C	AIR CONDITIONING
A.C.C.	AIR CONDITIONING COMPRESSOR
A.C.U.	AIR CONDITIONING UNIT
A.H.U.	AIR HANDLING UNIT
ALT.	ALTERNATE
ALUM./AL	ALUMINUM
AMT	AMOUNT
AMP	AMPHERE
AMPL.	AMPLIFIER
ANCH.	ANCHOR
A.B.	ANCHOR BOLT
&	AND
ANG./ L or ∠	ANGLE
ANOD.	ANODIZED
APT.	APARTMENT
APPR.	APPROVED
APPROX.	APPROXIMATE
ARCH.	ARCHITECT/ARCHITECTURAL
A–	ARCHITECTURAL DRAWING-NO.
A.T.	ASH TRAY
ATM	AUTOMATIC TELLER MACHINE
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.P.	BACK FLOW PREVENTER
B.D.D.	BACK DRAFT DAMPER
B.F.	BARRIER FREE
B.B.R.	BASE BOARD RADIATION
B.PL	BASE PLATE
BSMT	BASEMENT
B.	BATH ROOM
BM	BEAM
B/C	BACK OF CURB
BRG	BEARING
B.R.	BEDROOM
B.M.	BENCH MARK
BT	BENT
BETW.	BETWEEN
BEV.	BEVEL
BIT.	BITUMINOUS
B.I.	BLACK-IRON
BLK	BLOCK
BLKG	BLOCKING
BD	BOARD
BLR	BOILER
BLR. F.	BOILER FEED
BLR. H.	BOILER HOUSE
BK. SH.	BOOK SHELVES
B.S.	BOTH SIDES
B.W.	BOTH WAYS
BOT.	BOTTOM
BOT. EL.	BOTTOM ELEVATION
BLVD	BOULEVARD
BDRY	BOUNDARY
BRKT	BRACKET
BR.	BRASS
BRKR	BREAKER
BRK	BRICK
BTU	BRITISH THERMAL UNIT
BRZ	BRONZE
BLDG.	BUILDING
B.L.	BUILDING LINE
B.U.R.	BUILT-UP ROOFING
B.N.	BULLNOSE
BLKD	BULKHEAD
BULL.	BULLETIN
B.A.	BURGLAR ALARM
BUZZ.	BUZZER

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
CSTG	CASTING
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
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHD	CHORD
CIRCUM.	CIRCUMFERENCE
CIR.	CIRCLE/CIRCULAR
CIRC.	CIRCUIT
C.BR	CIRCUIT BREAKER
C–	CIVIL DRAWING-NO.
CL.	CLASS
CLRM	CLASSROOM
C.O.	CLEAN OUT
CLR	CLEAR
CLR GL	CLEAR GLASS
CLR W.GL	CLEAR WIRE GLASS
CL.	CLOSET
CLO.	CLOSURE
C.CL.	COAT CLOSET
COEF.	COEFFICIENT
CW	COLD WATER
COL.	COLUMN
CO.	COMPANY
COMPT.	COMPARTMENT
COMPO.	COMPOSITION
CA	COMPRESSED AIR
COMPR.	COMPRESSOR
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CWR	CONDENSING WATER RETURN
CWS	CONDENSING WATER SUPPLY
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/ CUBIC FOOT
CFM	CUBIC FEET PER MINUTE
CY	CUBIC YARD
CULV.	CULVERT
C.D.	CUP DISPENSER
CYL.	CYLINDER
CYC.	CYCLES

D

DMPR	DAMPER
DMPFG	DAMPPROOFING
D.L.	DEAD LOAD
DB	DECIBLE
D.	DEEP
DWG.	DRAWING
DMT. PARTN	DEMOUNTABLE PARTITION
DEPT.	DEPARTMENT
DEPR.	DEPRESSED
DES.	DESIGN
DET.	DETAIL
D.E. CO.	DETROIT EDISON COMPANY
DIAG.	DIAGONAL
DGM	DIAGRAM
DIA.	DIAMETER
DIFF.	DIFFUSER
DIM.	DIMENSION
D.R.	DINING ROOM
DIR.	DIRECTORY
DISC.	DISCONNECT
DISCONT.	DISCONTINUOUS
DW	DISHWASHER
DISP.	DISPENSER
DIST.	DISTANCE
D.P.	DISTRIBUTION PANEL
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
D.B.	DRY BULB
D.S.P.	DRY STAND PIPE
DBWTR	DUMBWAITER
DUP.	DUPLICATE
D.DR.	DUTCH DOOR

E

EA	EACH
E.F.	EACH FACE
E.W.	EACH WAY
E	EAST
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–	ELECTRICAL DRAWING-NO.
E.P.	ELECTRICAL PANEL
EWC	ELECTRIC WATER COOLER
ELEC. OPER.	ELECTRICALLY OPERATED
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
ESC.	ESCALATOR
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
EXPL.P.	EXPLOSION PROOF
EXP'D	EXPOSED
EXT'N	EXTENSION
EXT.	EXTERIOR
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
E.H.	EXTRA HEAVY
EXTR.	EXTRUDED
E.S.P.	EXTERNAL STATIC PRESSURE

F

FAB.	FABRICATED/FABRIC
F/F	FACE-TO-FACE
F. FIN.	FACTORY FINISH
F.C.U.	FAN COIL UNIT
F.S.	FAR SIDE
FAS.	FASTENER
FDR	FEEDER
FT or '	FEET/FOOT
FPM	FEET PER MINUTE
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. BRK	FIRE BRICK
F.D.	FIRE DAMPER
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
FP.	FIREPLACE
FPRFG.	FIREPROOFING
FIXT.	FIXTURE
FLASH.	FLASHING
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
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
FRZR	FREEZER
F.S.	FULL SIZE
FURN.	FURNISH/FURNISHED
FURR.	FURRING/FURRED
FUT.	FUTURE

G

GA.	GAUGE
GAL.	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GALV.	GALVANIZED
GALV. I.	GALVANIZED IRON
G	GAS
GSKT	GASKET
G.V.& B.	GATE VALVE AND BOX
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
G.S.	GREASE SEPARATOR
G.T.	GREASE TRAP
GND	GROUND
G.F.I.	GROUND FAULT INTERRUPTOR
GT	GROUT
G.	GUTTER ELEVATION
GYP.	GYPSUM
GYP.BD.	GYPSUM BOARD

H

HNDCP	HANDICAPPED
H.R.	HANDRAIL
H.BD	HARDBOARD
HDWE	HARDWARE
HDWD	HARDWOOD
HD	HEAD
HDR	HEADER
H.A. GL.	HEAT ABSORBING GLASS
H.R.U.	HEAT RECOVERY UNIT
HTR	HEATER
HTG	HEATING
H/V	HEATING AND VENTILATING
H.V.A.C.	HEATING, VENTILATING AND AIR CONDITIONING
HHWR	HEATING HOT WATER SUPPLY
HHWS	HEATING HOT WATER RETURN
HGT	HEIGHT
HEX.	HEXAGON
H.	HIGH
H.I.D.	HIGH INTENSITY DISCHARGE
H.P.	HIGH POINT
H.PR.	HIGH PRESSURE
H.S.	HIGH STRENGTH
H.S.B.	HIGH STRENGTH BOLT
H.V.	HIGH VOLTAGE
HWY	HIGHWAY
HSTWY	HOISTWAY
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HNYCB	HONEYCOMB
HK	HOOK
HORIZ.	HORIZONTAL
HP	HORSEPOWER
H.B.	HOSE BIBB
H.S.P.	HOSE STAND PIPE
H.V.C.	HOSE VALVE CABINET
HOSP.	HOSPITAL
H.W.	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HR.	HOUR
H.O.	HUB OUTLET
HYD.	HYDRANT/HYDRAULIC
H	HYDROGEN

I

I.D.	IDENTIFICATION
INCAND.	INCANDESCENT
IN. or "	INCH/INCHES
INCIN.	INCINERATOR
INCL.	INCLUDE/INCLUDING
I.W.	INDIRECT WASTE
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INST'L.	INSTALL/INSTALLATION
INSUL.	INSULATE/INSULATION
INT.	INTERIOR
INTER.	INTERMEDIATE
INV.	INVERT
I.E.	INVERT ELEVATION

J

J.C.	JANITOR CLOSET
JT	JOINT
JST	JOIST
J.B.	JUNCTION BOX
JR	JUNIOR

K

K.P.	KICK PLATE
KV	KILOVOLT
KVA	KILOVOLT AMPHERE
KW	KILOWATT
K	KIP (1000#)
KIT.	KITCHEN
K.D.	KNOCK DOWN
K.O.P.	KNOCK-OUT PANEL

L

LBL.	LABEL
LAB.	LABORATORY
LAD.	LADDER
L.B.	LAG BOLT
LAM.	LAMINATE/LAMINATED
LDG	LANDING
L–	LANDSCAPE DRAWING-NO.
LGE	LARGE
LDRY	LAUNDRY
LAV.	LAVATORY
L.H.	LEFT HAND
L.H.R.B.	LEFT HAND REVERSE BEVEL
LGTH	LENGTH
LEV.	LEVEL
LIB.	LIBRARY
LT.	LIGHT
LPRF	LIGHTPROOF
LTG	LIGHTING
L.P.	LIGHTING PANEL
L.R.P.	LIGHTING RECEPTACLE PANEL
LTWT	LIGHTWEIGHT
LTWT. CONC.	LIGHTWEIGHT CONCRETE
LMS	LIMESTONE
LTL	LINTEL
LIN. DIFF.	LINEAR DIFFUSER
L.F.	LINEAR FEET/FOOT
LIQ	LIQUID
LPG	LIQUID PROPANE GAS
L.P.G.	LIQUID PETROLEUM GAS
L.L.	LIVE LOAD
L.R.	LIVING ROOM
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
L.PR.	LOW PRESSURE
LBR	LUMBER
LBS. or #	POUNDS

M

MACH.	MACHINE
M.B.	MACHINE BOLT
MACH. RM	MACHINE ROOM
M.A.U.	MAKE-UP AIR UNIT
M.D.P.	MAIN DISTRIBUTION PANEL
M.S.B.	MAIN SWITCH BOARD
MAINT.	MAINTENANCE
MH.	MANHOLE
MFR	MANUFACTURER
MAR.	MARBLE
MK	MARK
MAS.	MASONRY
M.O.	MASONRY OPENING
MATL	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
M–	MECHANICAL DRAWING-NO.
M.C.	MEDICINE CABINET
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
MDOT	MICHIGAN DEPARTMENT OF TRANSPORTATION
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
MTG	MEETING/MOUNTING
MOV.	MOVEABLE
MOV. PARTN.	MOVEABLE PARTITION
MULL	MULLION
M	THOUSAND (1000)

N

NAT.	NATURAL
N.S.	NEAR SIDE
NEUT.	NEUTRAL
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
OBS.GL.	OBSCURE GLASS
OFF.	OFFICE
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.H.S.	OVAL HEAD SCREW
O.A.	OVERALL
OHD	OVERHEAD
OHD.DR	OVERHEAD DOOR
OXY.	OXYGEN

P

PTD	PAINTED
PR	PAIR
PG.	PAGE
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
PAT.	PATENT
PVMT	PAVEMENT
PVG	PAVING
PED.	PEDESTAL
PERF.	PERFORATED
PERIM.	PERIMETER
PERM.	PERMANENT
PERP.	PERPENDICULAR
P. or ɸ	PHASE
PHOTO.	PHOTOGRAPH
P.H.	PHYSICALLY HANDICAPPED
PC.	PIECE
PCS.	PIECES
PLAS.	PLASTER
PL. LAM.	PLASTIC LAMINATE
PL.	PLATE
PL. GL.	PLATE GLASS
PLAT.	PLATFORM
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
P.I.V.	POST INDICATOR VALVE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
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
P.G.	PRESSURE GAUGE
P.R.V.	PRESSURE REDUCING VALVE
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. or R.	RADIUS
R.W.C.	RAIN WATER CONDUCTOR
R.R.	RAILROAD
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
REG.	REGISTER
REINF.	REINFORCE/REINFORCING/ REINFORCEMENT
REM.	REMOVE/REMOVABLE
REP.	REPAIR
REQ'D.	REQUIRED
RESIL.	RESILIENT
RET.	RETURN
R.A.	RETURN AIR
R.A.D.	RETURN AIR DIFFUSER
R.A.F.	RETURN AIR FAN
REV.	REVISED/REVISION
RPM	REVOLUTIONS PER MINUTE
R.	RISER
R.H.	RIGHT HAND
R.H.R.B.	RIGHT HAND REVERSE BEVEL
R.O.W.	RIGHT OF WAY
RVT	RIVET
RD	ROAD
R.S.C.	ROLLING STEEL CURTAIN
RF	ROOF
R.C.	ROOF CONDUCTOR
R.D.	ROOF DRAIN
RF.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 ɸ	ROUND
RHMS	ROUND HEAD MACHINE SCREW
RHWS	ROUND HEAD WOOD SCREW
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
S	SOUTH
SP.	SPACE
SPR.	SPARE
SPKR	SPEAKER
SPEC.	SPECIFICATIONS
S.D.	SPLITTER DAMPER
SPRYD	SPRAYED
SPKLR	SPRINKLER
SQ.	SQUARE
S.F.	SQUARE FEET/SQUARE FOOT
STAG.	STAGGERED
ST.STL	STAINLESS STEEL
STD	STANDARD
SP.	STANDPIPE
S.P.	STATIC PRESSURE
STA.	STATION
STM	STEAM
STL	STEEL
STL. PL.	STEEL PLATE
STIFF.	STIFFENER
STO. FR.	STOREFRONT
STOR.	STORAGE
STR.	STRAIGHT
ST.	STREET
STRUCT.	STRUCTURAL
S–	STRUCTURAL DRAWING-NO.
S.G.F.T.	STRUCTURAL GLAZED FACING TILE
S.STL	STRUCTURAL STEEL
SS.D.	SUBSOIL DRAIN
SS.D.C.	SUBSOIL DRAIN CONNECTION
SUB.	SUBSTATION
S.A.G.	SUPPLY AIR GRILLE
S.D.	SUPPLY DIFFUSER/ DUCT
SUBST.	SUSTITUTE
S.A.R.	SUPPLY AIR REGISTER
S.F.	SUPPLY FAN
SUPP.	SUPPORT
SURF.	SURFACE/ SURFACING
SUSP.	SUSPEND/ SUSPENSION
SW.	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMBOL/ SYMMETRICAL
SYS.	SYSTEM

T

T.BD	TACKBOARD
TAN.	TANGENT
TECH.	TECHNICAL
TEL.	TELEPHONE
TEL. CAB.	TELEPHONE CABINET
TV	TELEVISION
TV.M	TELEVISION MONITOR
TEMP.	TEMPERATURE
TEMP. GL.	TEMPERED GLASS
T.U.	TERMINAL UNIT
TERR.	TERRAZZO
T.B.	TEST BORING
T.	THERMOSTAT
THK	THICK/ THICKNESS
T.S.	THICKENED SLAB
THD	THREAD
THRESH.	THRESHOLD
THRU	THROUGH
T.	TILE
T./ TOIL.	TOILET
T.P.D.	TOILET PAPER DISPENSER
T.P.H.	TOILET 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
T.G.	TRANSFER GRILLE
TRFR	TRANSFORMER
TRAN.	TRANSOM
T	TREAD
T.D.	TRENCH DRAIN
TS	TUBE SECTION
T.V.	TURNING VANE
T.T.	TWIN TEE
TYP.	TYPICAL

U

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

V

VAC.	VACUUM
V.B.	VACUUM BREAKER
V.C.O.	VACUUM CLEANER OUTLET
V. BARR.	VAPOR BARRIER
VAR.	VARIABLE
VARN.	VARNISH
VNR	VENEER
V. PLAS.	VENEER PLASTER
V.	VENT
VTR	VENT THRU ROOF
VENT.	VENTILATE/ VENTILATION
V.I.F.	VERIFY IN FIELD
VS.	VERSUS
VERT.	VERTICAL/ VERTICALLY
VERT. C.	VERTICAL CURVE
VEST.	VESTIBULE
V.I.	VIBRATION ISOLATOR
VNY	VINYL
VCT	VINYL COMPOSITION TILE
VIN. FAB.	VINYL FABRIC
V.R.S.	VINYL REDUCER STRIP
VIT.	VITREOUS
VCP	VITRIFIED CLAY PIPE
VOL.	VOLUME
V.D.	VOLUME DAMPER
V	VOLTS

W

WAINS.	WAINSCOT
W.CAB.	WALL CABINET
W.C.O.	WALL CLEAN OUT
W.H.	WALL HYDRANT
W/W	WALL-TO-WALL
W.V.	WALL VENT
WHSE	WAREHOUSE
W.F.	WASH FOUNTAIN
W.	WASTE/ WATTS
W & V	WASTE AND VENT
W.R.	WASTE RECEPTACLE
W.C.	WATER CLOSET
W.G.	WATER GAUGE
W.H.	WATER HEATER
WP	WATERPROOFING
W.P.	WEATHERPROOF
W.STPG.	WEATHERSTRIPPING
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC
W	WEST
W.B.	WET BULB
W.	WIDE/ WIDTH
W_x_	WIDE FLANGE SECTION
WT	WIDE FLANGE TEE SECTION
W.O.	WINDOW OPENING
W.GL.	WIRE GLASS
W.M.	WIRE MESH
w/	WITH
w/o	WITHOUT
WD	WOOD
W.L.	WORKING LINE
W.PT	WORKING POINT
W.I.	WROUGHT IRON

X

Y

YD	YARD
Y.P.	YIELD POINT
Y.S.	YIELD STRENGTH
YR	YEAR

Z

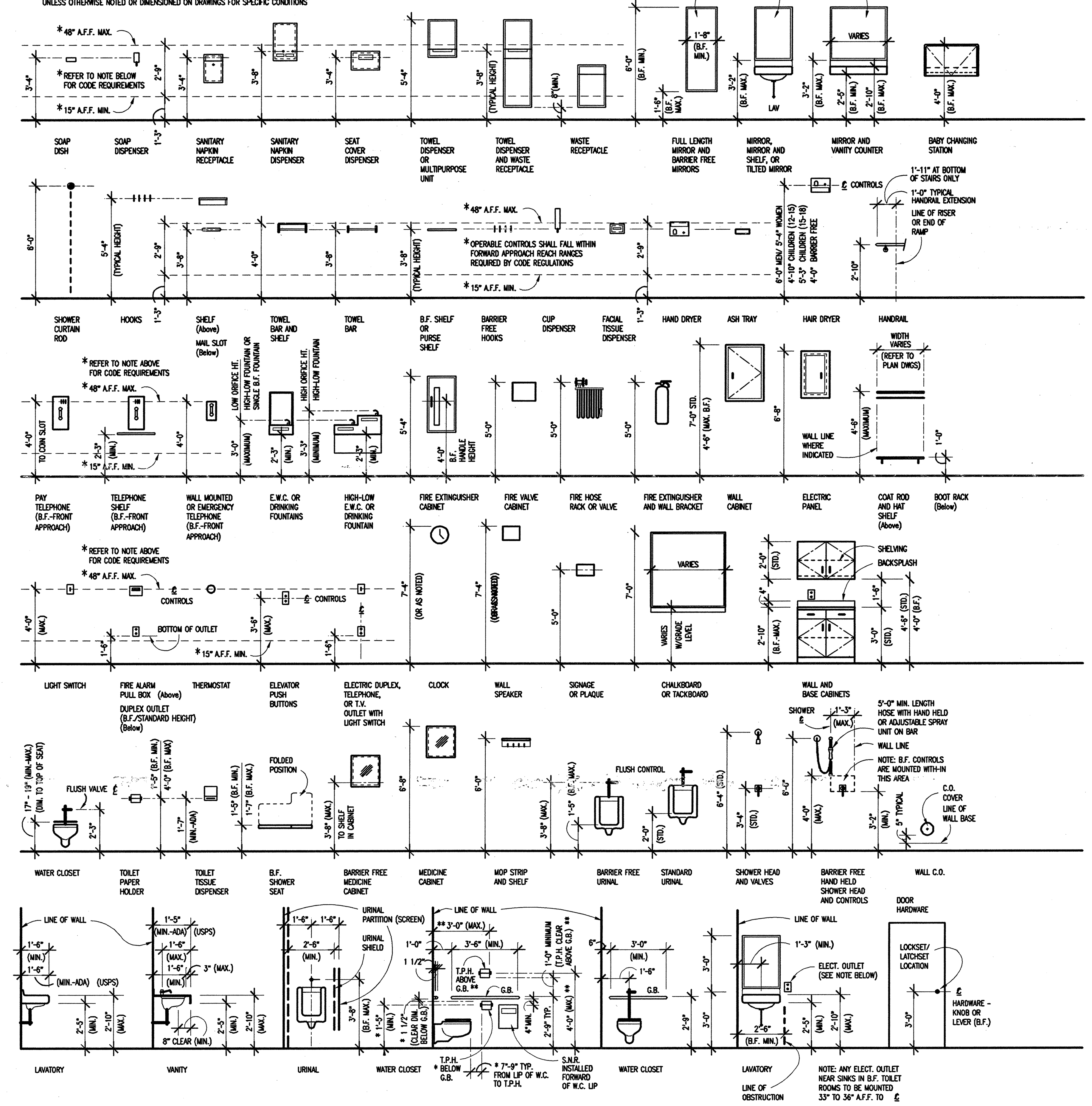
ZC	ZINC

TYPICAL MOUNTING HEIGHTS

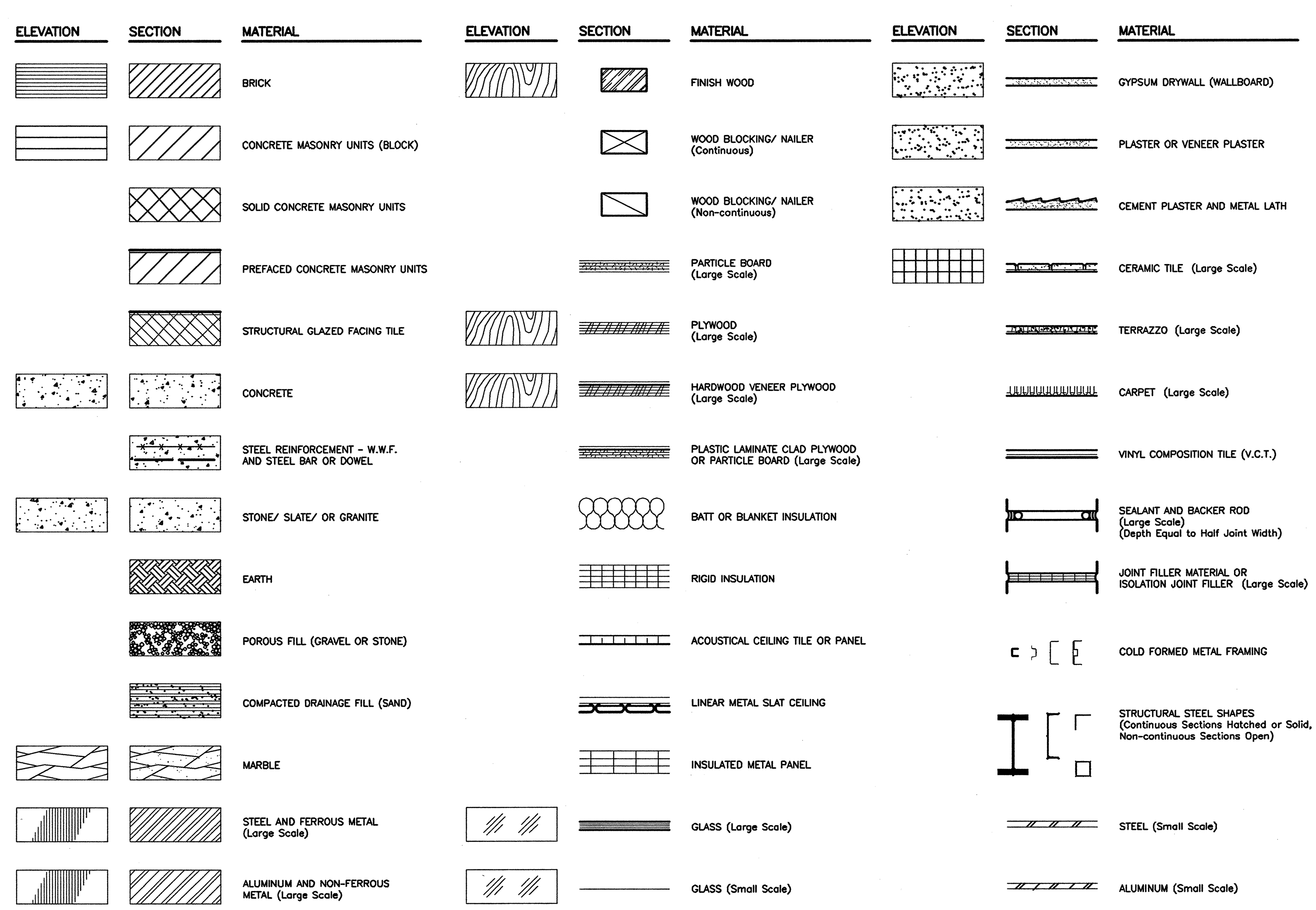
MISCELLANEOUS ACCESSORIES, TOILET ACCESSORIES AND FIXTURES

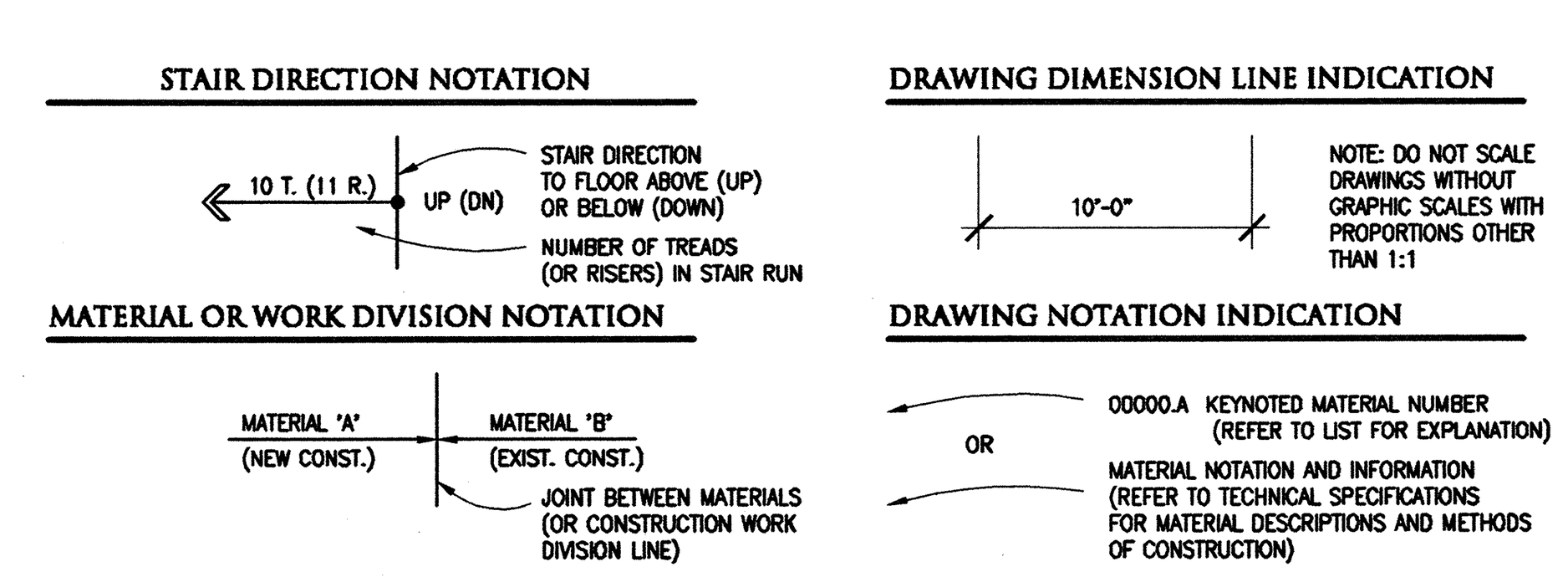
NOTE: MOUNTING HEIGHTS SHOWN ARE PROPOSED FOR ALL ACCESSORIES AND FIXTURES REQUIRED UNLESS OTHERWISE NOTED OR DIMENSIONED ON DRAWINGS FOR SPECIFIC CONDITIONS

(B.F. DENOTES BARRIER FREE REQUIREMENTS)

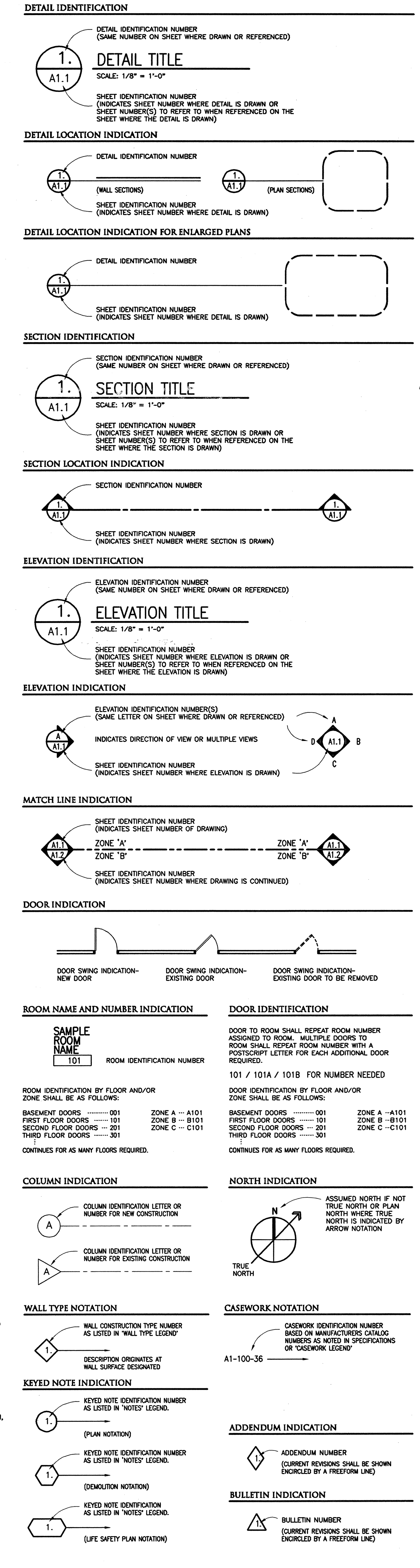


MATERIAL DESIGNATIONS





REFERENCE SYMBOLS



SHEET: OF:	
I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

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

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

General Information

g:\acad\2002\02038\dhatg1.dwg

DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DRAWN MWE

CHECKED

APPROVED

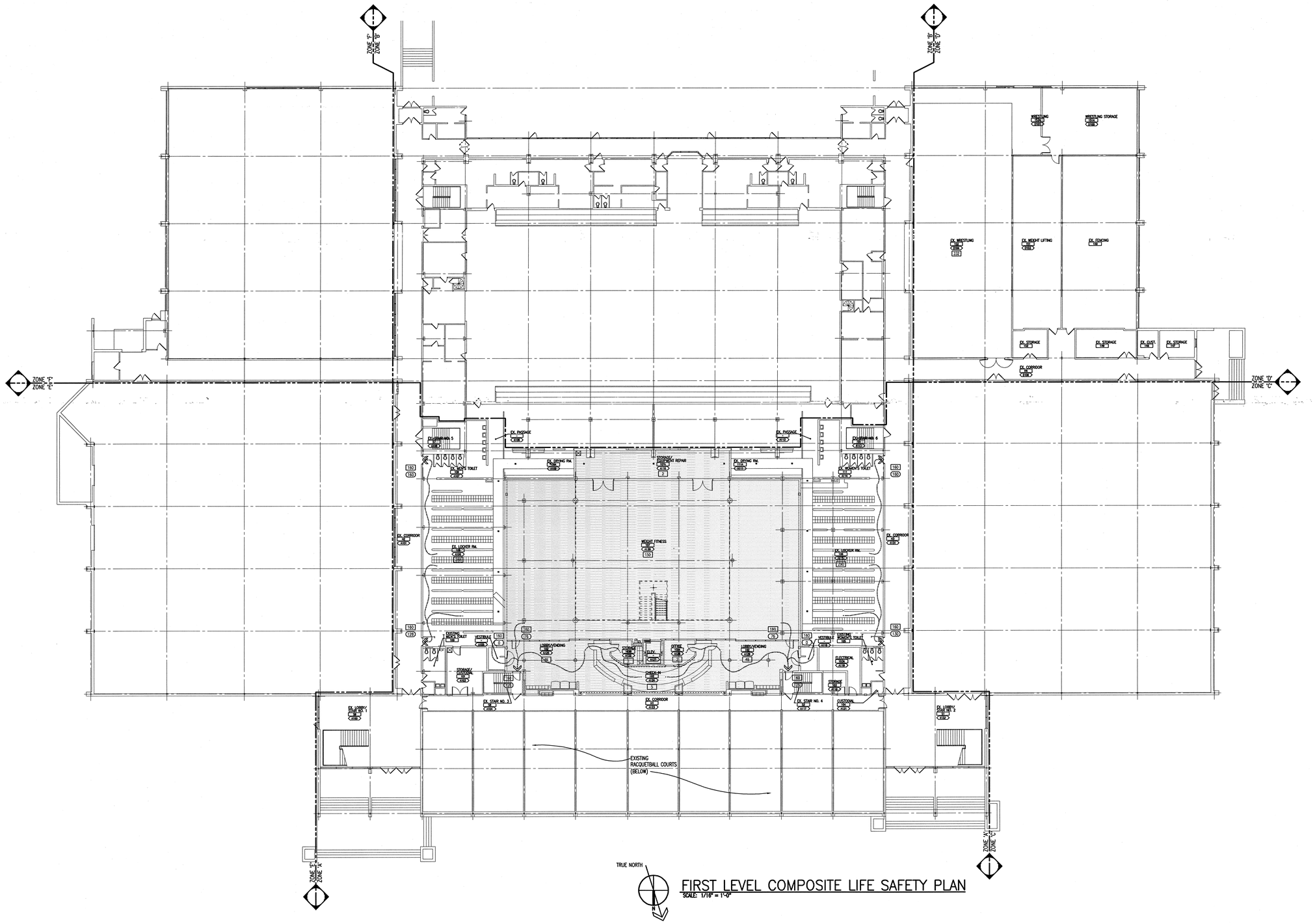
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

TG.1



FIRST LEVEL COMPOSITE LIFE SAFETY PLAN

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

LEGEND

- : 2-HOUR FIRE BARRIER (6-2.3 & Administrative Interpretation No. 0028)
  - FIRE DAMPERS ARE REQUIRED AT DUCT PENETRATIONS (6-2.3.2.4 & NFPA 90A, 3-3.1.1)
  - TRANSFER GRILLES, EQUIPPED w/ SMOKE/FIRE DAMPERS, ARE PERMITTED (6-2.3.2.4 & NFPA 90A, 3-3.1.2)
- : 1-HOUR FIRE BARRIER FOR SWFT ENCLOSURE (6-2.3.2.4 & 6-2.4)
  - DUCT PENETRATIONS ARE PROHIBITED (5-1.3.2.1(e))
- : 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS (8-3.2.1.3[a] & Policy No. 5-13)
  - DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (6-2.3.2.4 & NFPA 90A, 3-3.1.1)
  - TRANSFER GRILLES, EQUIPPED w/ SMOKE/FIRE DAMPERS, ARE PERMITTED (OFS CLARIFICATION)
- : EXTENT OF SPRINKLERED AREA & LIMITS OF COMMUNICATING SPACE FOR UNENCLOSED FLOOR OPENING
  -
  -
- : 2 HOUR FIRE RATED FLOOR CONSTRUCTION (CEMENTITIOUS SPRAY-ON FIREPROOFING)
  - FIRE DAMPERS ARE REQUIRED AT DUCT PENETRATION THRU FLOOR
  -
- : 1 HOUR FIRE RATED FLOOR CONSTRUCTION (CEMENTITIOUS SPRAY-ON FIREPROOFING)
  - FIRE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATION THRU FLOOR
  -

[1] : CAPACITY OF ROOM OR EXIT
- PER NFPA-101 (1997), CHAPTERS 5, 8, & 26.

(1) : ASSIGNED OR ACTUAL OCCUPANT LOAD.

LINE OF TRAVEL
- TRAVEL DISTANCE TO EXITS = 150' MAX. (8-2.6)
- COMMON PATH OF TRAVEL = 20' > 50 OCCUPANTS & 75' < 50 OCCUPNATS (8-2.5.1)
- DEAD ENDS = 20' MAX. (A-5-6.1)

OCCUPANT LOAD FACTORS

ASSEMBLY	
WEIGHT FITNESS,	1/50sf (gross)
LOBBY/VENDING	1/15sf (net)
LOCKER ROOMS	1/15sf (gross)
BUSINESS	
OFFICES, CHECK-IN DESK	1/100sf (gross)
CLASSROOMS	1/20sf (net)
STORAGE	
GENERAL STORAGE	1/300sf (gross)
MECHANICAL, ELECTRICAL	1/300sf (gross)

BUILDING DATA

SPRINKLER PROTECTION
- EXISTING FACILITY IS NOT SPRINKLERED
- COURTYARD INFILL ADDITION AND AREAS, BOUNDED BY THE 2 HOUR FIRE SEPARATION, ARE SPRINKLERED

BUILDING CONSTRUCTION CLASSIFICATION: TYPE II(000)

PRIMARY USE GROUP "A"

BUILDING AREAS

	1st LEVEL	2nd LEVEL	3rd LEVEL
ALTERATIONS =	8,627.8	800.0	2,604.0
RENOVATION =	4,387.8	3,099.0	0.0
ADDITIONS =	3,844.0	8,959.3	0.0
TOTAL =	16,859.6	12,858.3	2,604.0

		SHEET:	OF:
I.M. WEST ADDITION #1 (COURTYARD INFILL)		DRAWN BY:	
		APP'D BY:	
		DATE:	
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES		SCALE:	AS NOTED
		DWG NO:	9-151-76
		CARD NO:	CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
1291 WEST SQUARE LAKE ROAD - BOX 289
BLOOMFIELD HILLS - MICHIGAN - 48303
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

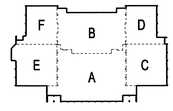
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Composite Life Safety Plan



KEY PLAN
NO SCALE

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DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
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11-19-03	D.D. REVIEW

DRAWN MWE
CHECKED MWE
APPROVED DWL

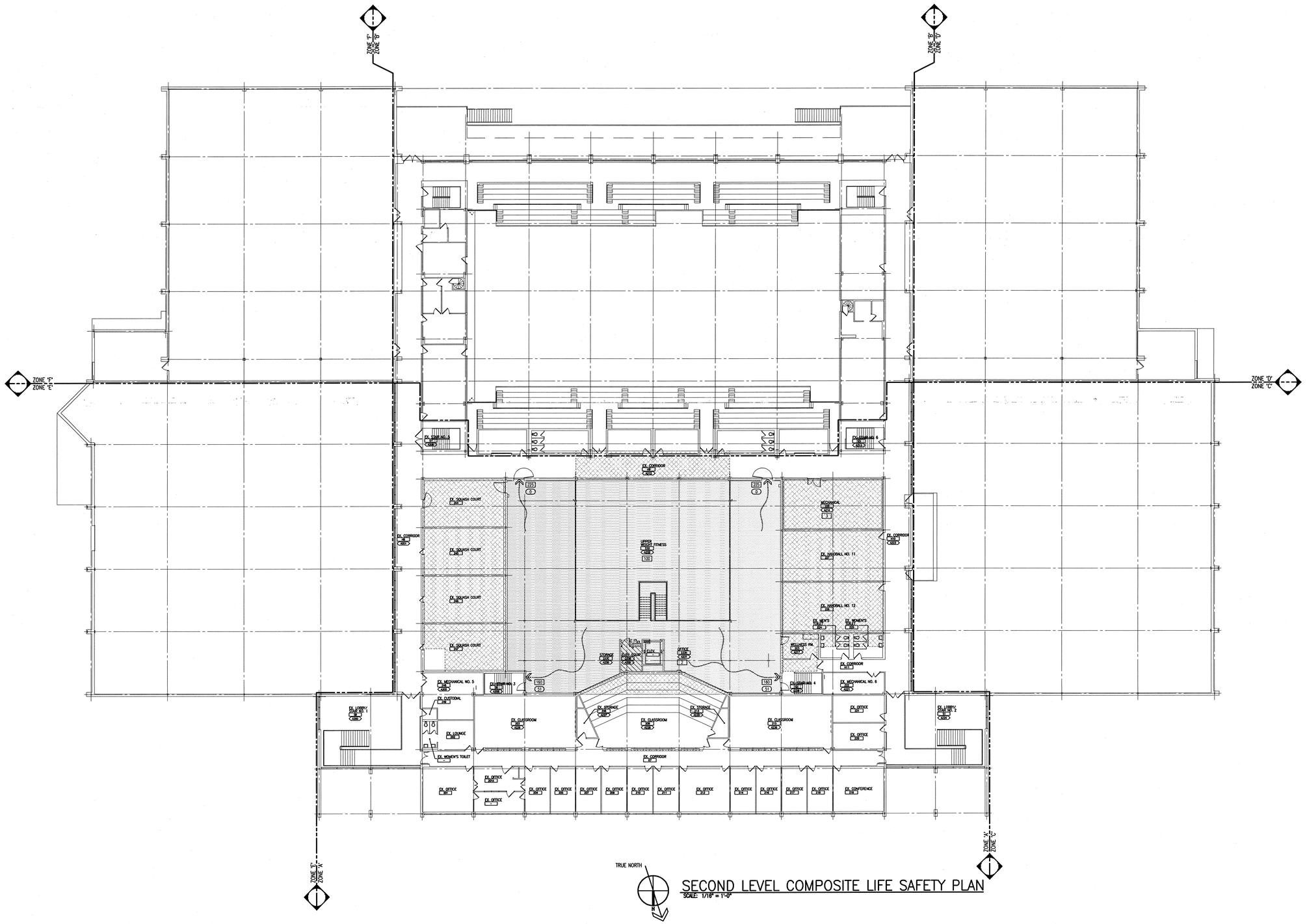
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

LS.1



SECOND LEVEL COMPOSITE LIFE SAFETY PLAN

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

LEGEND

- : 2-HOUR FIRE BARRIER (6-2.3 & Administrative Interpretation No. 0028)
  - FIRE DAMPERS ARE REQUIRED AT DUCT PENETRATIONS (6-2.3.2.4 & NFPA 90A, 3-3.1.1)
  - TRANSFER GRILLES, EQUIPPED w/ SMOKE/FIRE DAMPERS, ARE PERMITTED (6-2.3.2.4 & NFPA 90A, 3-3.1.2)
- : 1-HOUR FIRE BARRIER FOR SHAFT ENCLOSURE (6-2.3.2.4 & 6-2.4)
  - DUCT PENETRATIONS ARE PROHIBITED (5-1.3.2.1[e])
- : 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS (8-3.2.1.3[a] & Policy No. 5-13)
  - DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (6-2.3.2.4 & NFPA 90A, 3-3.1.1)
  - TRANSFER GRILLES, EQUIPPED w/ SMOKE/FIRE DAMPERS, ARE PERMITTED (OFS CLARIFICATION)
- : EXTENT OF SPRINKLERED AREA & LIMITS OF COMMUNICATING SPACE FOR UNENCLOSED FLOOR OPENING
  -
  -
- : 2 HOUR FIRE RATED FLOOR CONSTRUCTION (CEMENTITIOUS SPRAY-ON FIREPROOFING)
  - FIRE DAMPERS ARE REQUIRED AT DUCT PENETRATION THRU FLOOR
  -
- : 1 HOUR FIRE RATED FLOOR CONSTRUCTION (CEMENTITIOUS SPRAY-ON FIREPROOFING)
  - FIRE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATION THRU FLOOR
  -

[1] : CAPACITY OF ROOM OR EXIT
- PER NFPA-101 (1997), CHAPTERS 5, 8, & 26.

(1) : ASSIGNED OR ACTUAL OCCUPANT LOAD.

LINE OF TRAVEL
- TRAVEL DISTANCE TO EXITS = 150' MAX. (8-2.6)
- COMMON PATH OF TRAVEL = 20' > 50 OCCUPANTS & 75' < 50 OCCUPNATS (8-2.5.1)
- DEAD ENDS = 20' MAX. (A-5-6.1)

OCCUPANT LOAD FACTORS

ASSEMBLY	
WEIGHT FITNESS,	1/50sf (gross)
LOBBY/VENDING	1/15sf (net)
LOCKER ROOMS	1/15sf (gross)
BUSINESS	
OFFICES, CHECK-IN DESK	1/100sf (gross)
CLASSROOMS	1/20sf (net)
STORAGE	
GENERAL STORAGE	1/300sf (gross)
MECHANICAL, ELECTRICAL	1/300sf (gross)

BUILDING DATA

SPRINKLER PROTECTION
- EXISTING FACILITY IS NOT SPRINKLERED
- COURTYARD INFILL ADDITION AND AREAS, BOUNDED BY THE 2 HOUR FIRE SEPARATION, ARE SPRINKLERED

BUILDING CONSTRUCTION CLASSIFICATION: TYPE II(000)

PRIMARY USE GROUP "A"

BUILDING AREAS

	1st LEVEL	2nd LEVEL	3rd LEVEL
ALTERATIONS =	8,627.8	800.0	2,604.0
RENOVATION =	4,387.8	3,099.0	0.0
ADDITIONS =	3,844.0	8,959.3	0.0
TOTAL =	16,859.6	12,858.3	2,604.0

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APPD BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
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PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

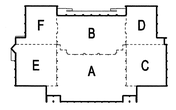
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Second Level Composite Life Safety Plan



KEY PLAN
NO SCALE

q:\pcad\2003\03118_____.dwg

9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE:	ISSUED FOR:
DRAWN	MWE
CHECKED	MWE
APPROVED	DWL

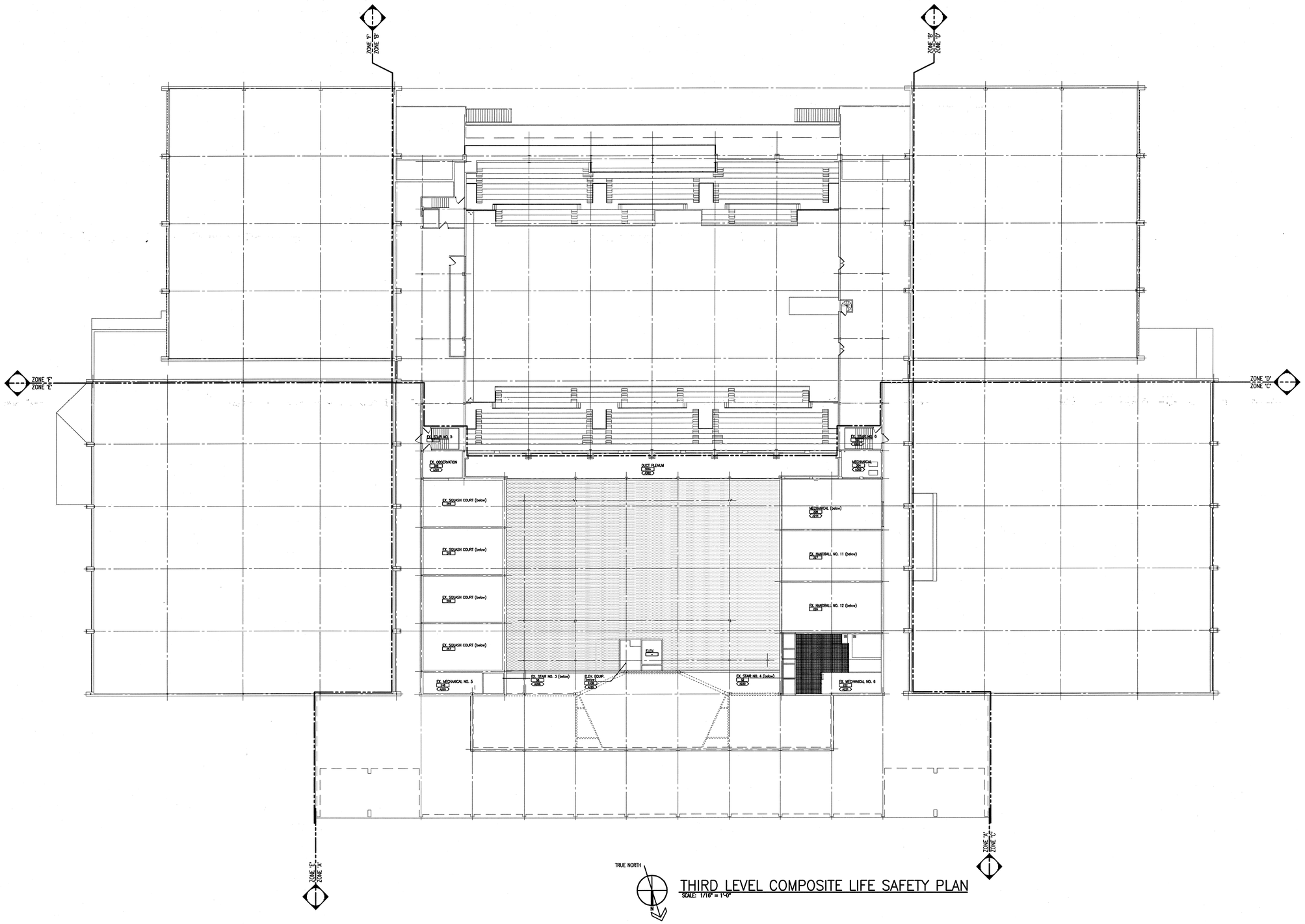
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

LS.2



TRUE NORTH

THIRD LEVEL COMPOSITE LIFE SAFETY PLAN

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

LEGEND

- : 2-HOUR FIRE BARRIER (6-2.3 & Administrative Interpretation No. 0028)
  - FIRE DAMPERS ARE REQUIRED AT DUCT PENETRATIONS (6-2.3.2.4 & NFPA 90A, 3-3.1.1)
  - TRANSFER GRILLES, EQUIPPED w/ SMOKE/FIRE DAMPERS, ARE PERMITTED (6-2.3.2.4 & NFPA 90A, 3-3.1.2)
- : 1-HOUR FIRE BARRIER FOR SHAFT ENCLOSURE (6-2.3.2.4 & 6-2.4)
  - DUCT PENETRATIONS ARE PROHIBITED (5-1.3.2.1[e])
- : 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS (8-3.2.1.3[a] & Policy No. 5-13)
  - DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (6-2.3.2.4 & NFPA 90A, 3-3.1.1)
  - TRANSFER GRILLES, EQUIPPED w/ SMOKE/FIRE DAMPERS, ARE PERMITTED (OFS CLARIFICATION)
- : EXTENT OF SPRINKLERED AREA & LIMITS OF COMMUNICATING SPACE FOR UNENCLOSED FLOOR OPENING
  -
  -
- : 2 HOUR FIRE RATED FLOOR CONSTRUCTION (CEMENTITIOUS SPRAY-ON FIREPROOFING)
  - FIRE DAMPERS ARE REQUIRED AT DUCT PENETRATION THRU FLOOR
  -
- : 1 HOUR FIRE RATED FLOOR CONSTRUCTION (CEMENTITIOUS SPRAY-ON FIREPROOFING)
  - FIRE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATION THRU FLOOR
  -

[1] : CAPACITY OF ROOM OR EXIT
- PER NFPA-101 (1997), CHAPTERS 5, 8, & 26.

(1) : ASSIGNED OR ACTUAL OCCUPANT LOAD.

LINE OF TRAVEL
- TRAVEL DISTANCE TO EXITS = 150' MAX. (8-2.6)
- COMMON PATH OF TRAVEL = 20' > 50 OCCUPANTS & 75' < 50 OCCUPNATS (8-2.5.1)
- DEAD ENDS = 20' MAX. (A-5-6.1)

OCCUPANT LOAD FACTORS

ASSEMBLY	
WEIGHT FITNESS,	1/50sf (gross)
LOBBY/VENDING	1/15sf (net)
LOCKER ROOMS	1/15sf (gross)
BUSINESS	
OFFICES, CHECK-IN DESK	1/100sf (gross)
CLASSROOMS	1/20sf (net)
STORAGE	
GENERAL STORAGE	1/300sf (gross)
MECHANICAL, ELECTRICAL	1/300sf (gross)

BUILDING DATA

SPRINKLER PROTECTION
- EXISTING FACILITY IS NOT SPRINKLERED
- COURTYARD INFILL ADDITION AND AREAS, BOUNDED BY THE 2 HOUR FIRE SEPARATION, ARE SPRINKLERED

BUILDING CONSTRUCTION CLASSIFICATION: TYPE II(000)

PRIMARY USE GROUP "A"

BUILDING AREAS

	1st LEVEL	2nd LEVEL	3rd LEVEL
ALTERATIONS =	8,627.8	800.0	2,604.0
RENOVATION =	4,387.8	3,099.0	0.0
ADDITIONS =	3,844.0	8,959.3	0.0
TOTAL =	16,859.6	12,858.3	2,604.0

SHEET:	OF:
I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
1291 WEST SQUARE LAKE ROAD - BOX 289
BLOOMFIELD HILLS - MICHIGAN - 48303
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

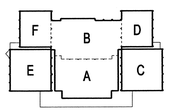
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Third Level Composite Life Safety Plan



KEY PLAN
NO SCALE

g:\acad\2003\03118_____.dwg

DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DRAWN	MWE
CHECKED	MWE
APPROVED	DWL

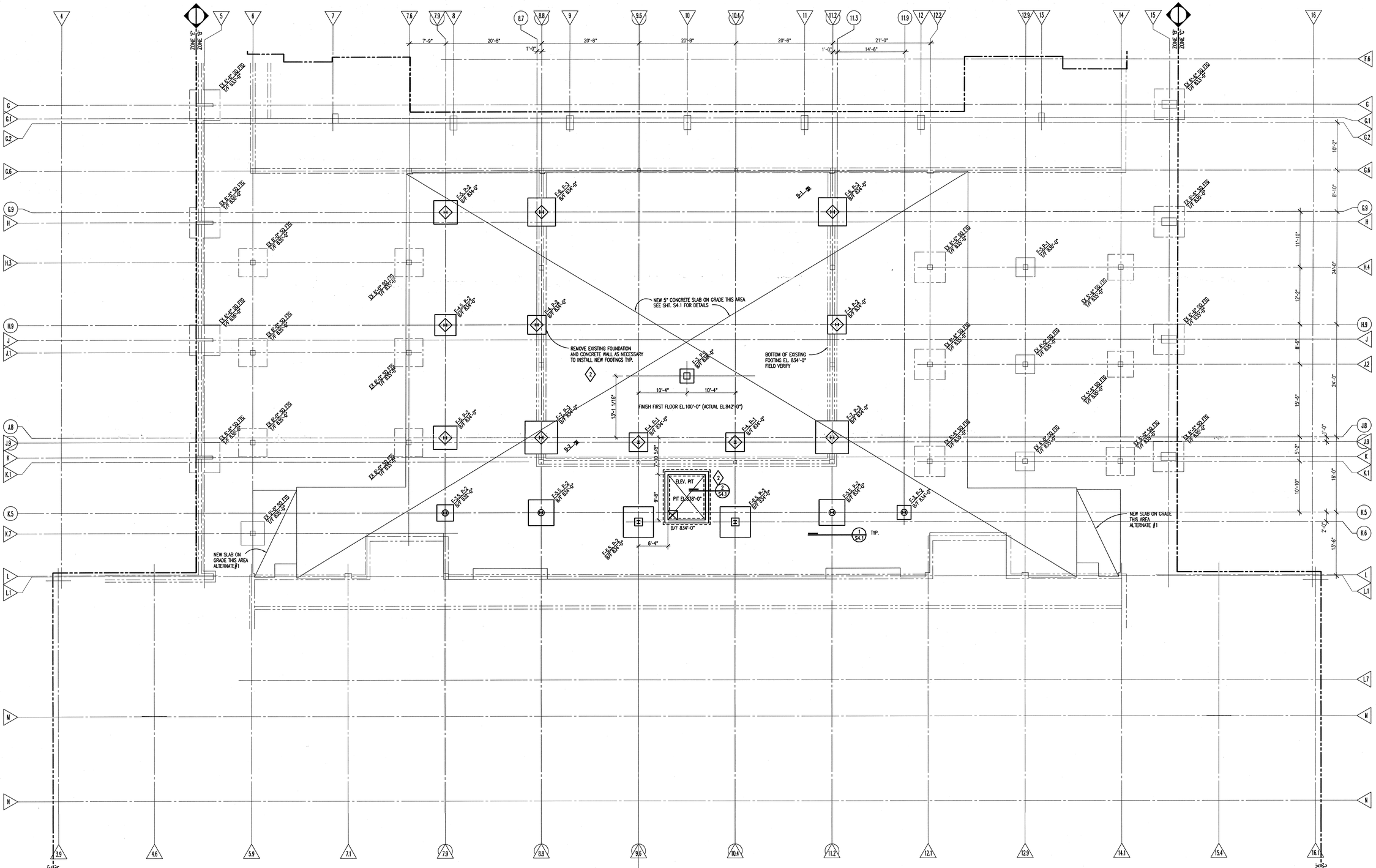
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

LS.3



TRUE NORTH

FOUNDATION PLAN - ZONE 'A'

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

NOTES

1. FINISH FIRST FLOOR EL. 100'-0" (ACTUAL EL.842'-0") U.N.O.
2. B/F INDICATES BOTTOM OF FOOTING ELEVATION.
3. SEE SHEET S4.1 FOR SLAB ON GRADE INFORMATION.
4. F-1 INDICATES COLUMN FOOTING PADS, SEE SHEET S4.1 FOR SCHEDULE.
5. P-1 INDICATES PIERS, SEE SHEET S4.1 FOR SCHEDULE.
6. T.S. INDICATES THICKENED SLAB, SEE DETAIL ON S4.1.
7. ⊕ APPROXIMATE LOCATION OF SOIL BORING. SEE SOILS REPORT FOR ADDITIONAL INFORMATION.
8. - - - - - INDICATES EXISTING FOUNDATIONS TO REMAIN.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
1291 WEST SQUARE LAKE ROAD - BOX 289
BLOOMFIELD HILLS - MICHIGAN - 48303
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

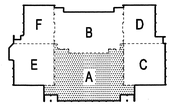
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Foundation Plan - Zone 'A'



KEY PLAN
NO SCALE

c:\acad\2003\03118_____.dwg

9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
3-26-04	ADDENDUM #2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D. D. REVIEW
DATE:	ISSUED FOR:
DRAWN	B.D.M.
CHECKED	R.L.N.
APPROVED	T.A.B.

PROJECT NO.

CP03111

TMP PROJECT NO. 03118

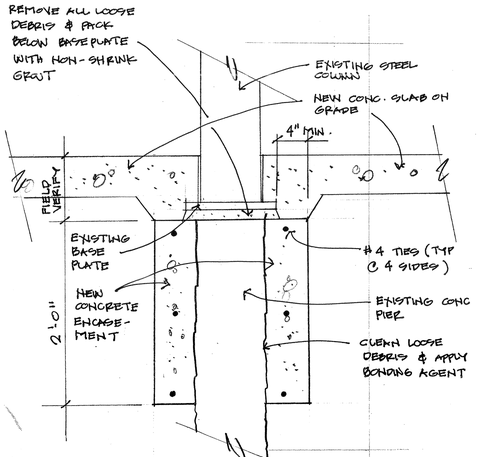
SHEET NO.

S1.1A

TMP
FAX
9.2.04

TMP has reviewed existing conditions at the concrete pier and steel column base plate at Column K.1/12.2. Please refer to the attached sketch for required construction at this location.

If you have any questions, feel free to call.



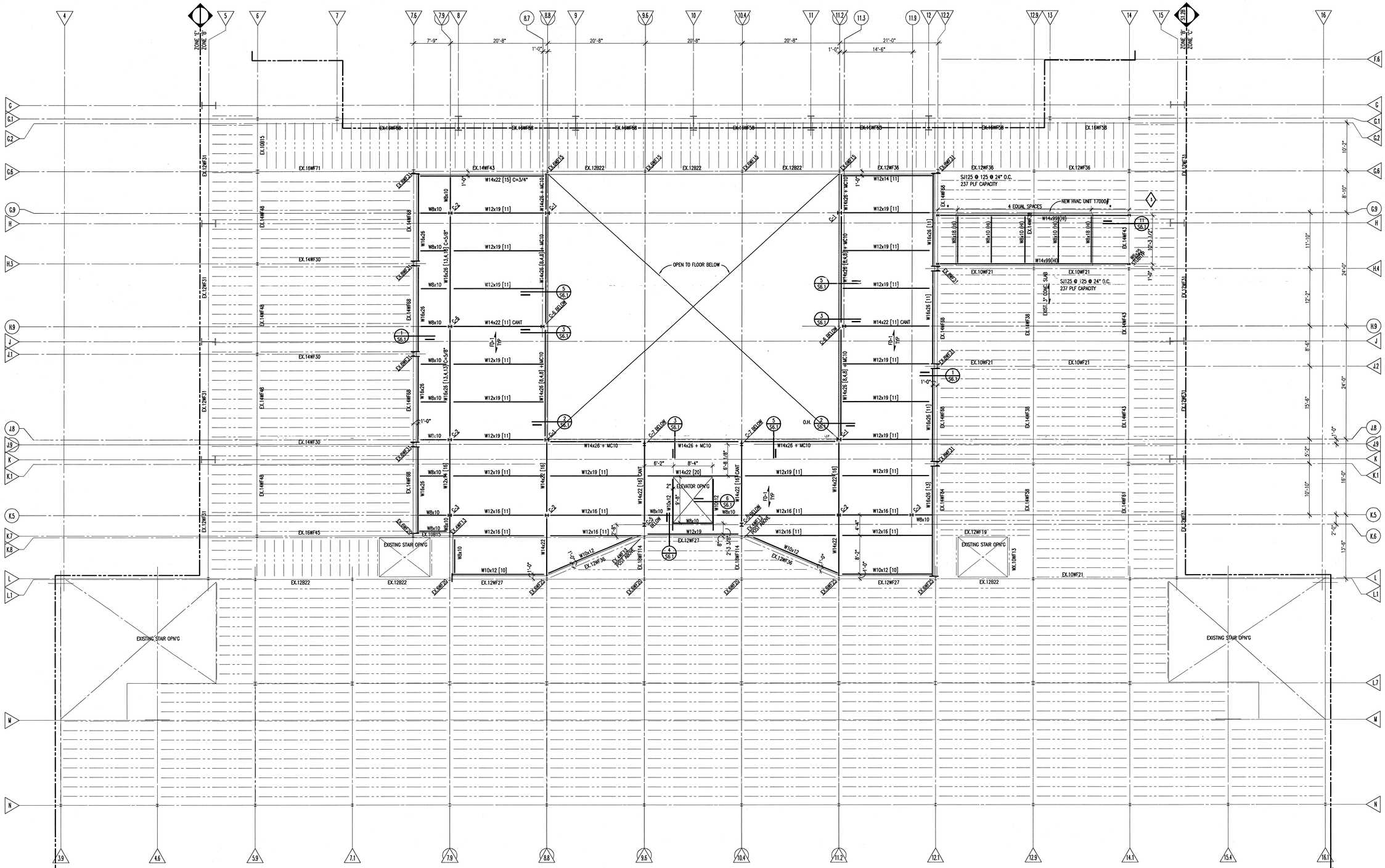
SECT. @ BASE OF EXIST. COL K.1/12.2

DO NOT SCALE DWG.

MSU - I.M. WEST ADDITION			FILE NO. 03118
TMP ARCHITECTURE	TMP ASSOCIATES INC 1191 WEST SQUARE LAKE ROAD - BOX 289 BLOOMFIELD HILLS - MICHIGAN - 48303 PH - 248.338.4561	DATE: 9.2.04 DRAWN: RJF	SHEET NO.

SHEET: 6A OF: 108

I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111



TRUE NORTH

SECOND LEVEL FRAMING PLAN - ZONE 'A'

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

NOTES

1. FINISH CONCTRETE FLOOR EL. 111'-4" TYPICAL U.N.O.
2. TOP OF STEEL ELEVATIONS (UNDERSIDE OF STEEL FLOOR DECK) EL. 110'-11 1/2" TYPICAL U.N.O. SEE ARCHITECTURAL DRAWINGS FOR TOP OF STEEL ELEVATION.
3. FD-1: 2 1/2" REGULAR WEIGHT CONCRETE SLAB REINFORCED WITH 6x6 - W 2.1 x W2.1 WWF ON 2" x 20 GAGE COMPOSITE STEEL FLOOR DECK (4 1/2" TOTAL THICKNESS).
4. BEAMS OR JOISTS ARE SPACED EQUALLY WITHIN BAYS UNLESS DIMENSIONED OTHERWISE.
5. COMPOSITE BEAM SHEAR STUDS SHALL BE 3/4" DIAMETER AND 3 1/2" LONG, UNIFORMLY SPACED UNLESS NOTED OTHERWISE. [ ] INDICATES THE NUMBER OF SHEAR STUDS REQUIRED.
6. ——— — ——— INDICATES EXISTING FRAMING TO REMAIN.
7. - - - - - - - - INDICATES EXISTING FRAMING TO BE REMOVED.
8. * COORDINATE DIMENSION WITH MECHANICAL CONTRACTOR.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET:	OF:
	DRAWN BY:	
	APP'D BY:	
	DATE:	
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE:	AS NOTED
	DWG NO:	B-151-76
	CARD NO:	CP03111

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

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Second Level & Low Roof Framing Plan - Zone 'A'

KEY PLAN
NO SCALE

q:\acad\2003\03118_____.dwg

DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW
DRAWN	R.L.N.
CHECKED	R.L.N.
APPROVED	T.A.B.

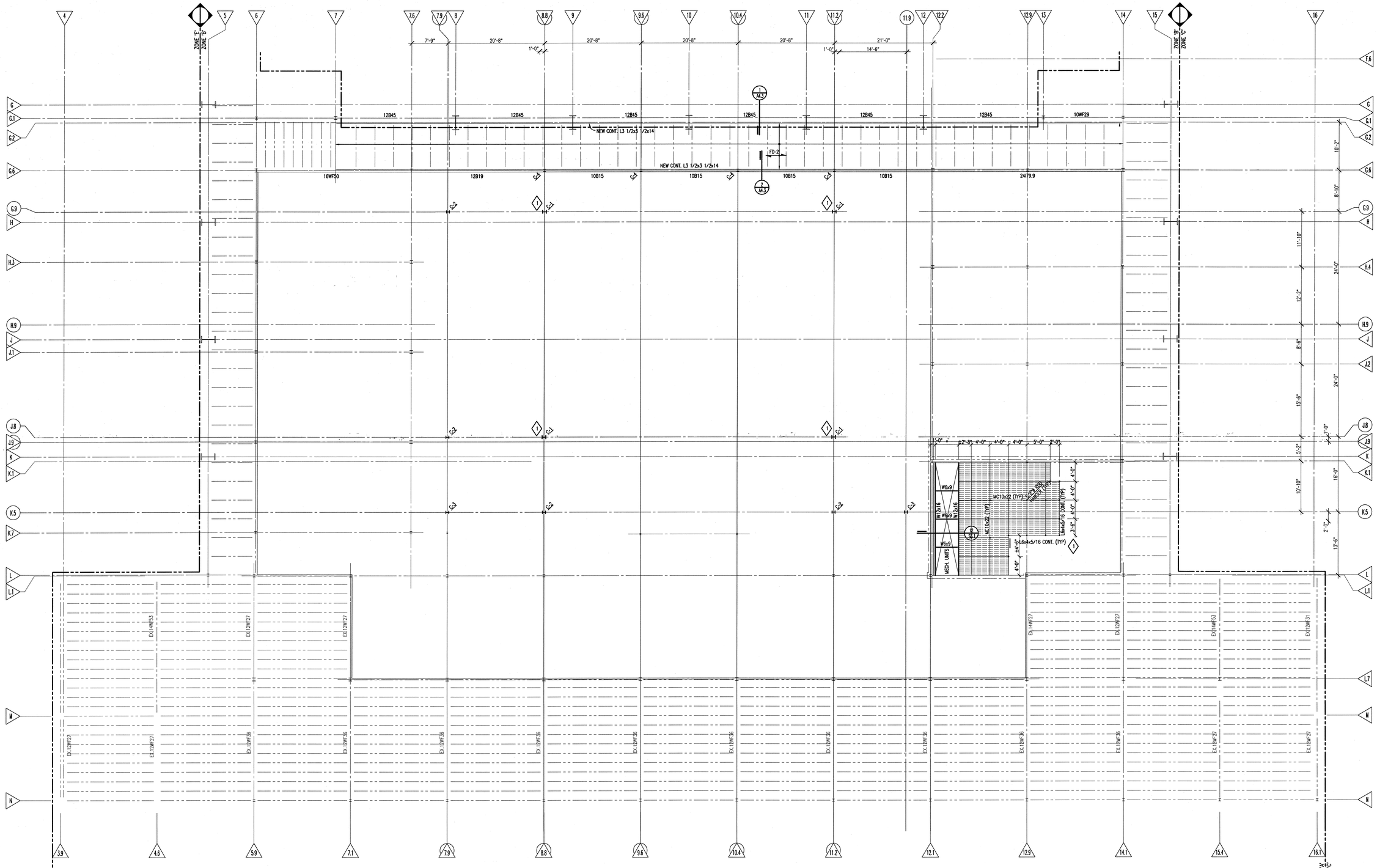
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

S1.2A



TRUE NORTH

THIRD LEVEL & LOW ROOF FRAMING PLAN - ZONE 'A'

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

NOTES

1. TOP OF STEEL ELEVATIONS ARE GIVEN RELATIVE TO FIRST FLOOR ELEVATION OF 100'-0" AND ARE REFERENCED TO THE UNDERSIDE OF THE ROOF DECK.
2. RD-1: 1 1/2" x 20 GAGE WIDE RIB GALVANIZED AND PRIME PAINTED STEEL ROOF DECK.
3. FD-2: 2" NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH 6x6 - W2.1 x W2.1 WWF ON NEW 1 1/2" x ROOF DECK (3 1/2" TOTAL THICKNESS).
4. BEAMS OR JOISTS ARE SPACED EQUALLY WITHIN BAYS UNLESS DIMENSIONED OTHERWISE.
5. ⊠ INDICATES OPENING THRU ROOF DECK. PROVIDE FRAMING AT PERIMETER OF OPENING PER TYPICAL DETAIL ON S6.1.
6. - - - - - - - - INDICATES HORIZONTAL BRIDGING.
7. ——— - - ——— INDICATES EXISTING FRAMING TO REMAIN.
8. - - - - - - - - INDICATES EXISTING FRAMING TO BE REMOVED.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

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

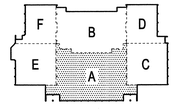
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Third Level & Low Roof Framing Plan - Zone 'A'



KEY PLAN
NO SCALE

q:\pcad\2007\03111\S_____.dwg

9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
3-18-04	ADDENDUM NO. 1
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D. D. REVIEW
DATE:	ISSUED FOR:
DRAWN	B. D. M.
CHECKED	R. L. N.
APPROVED	T. A. B.

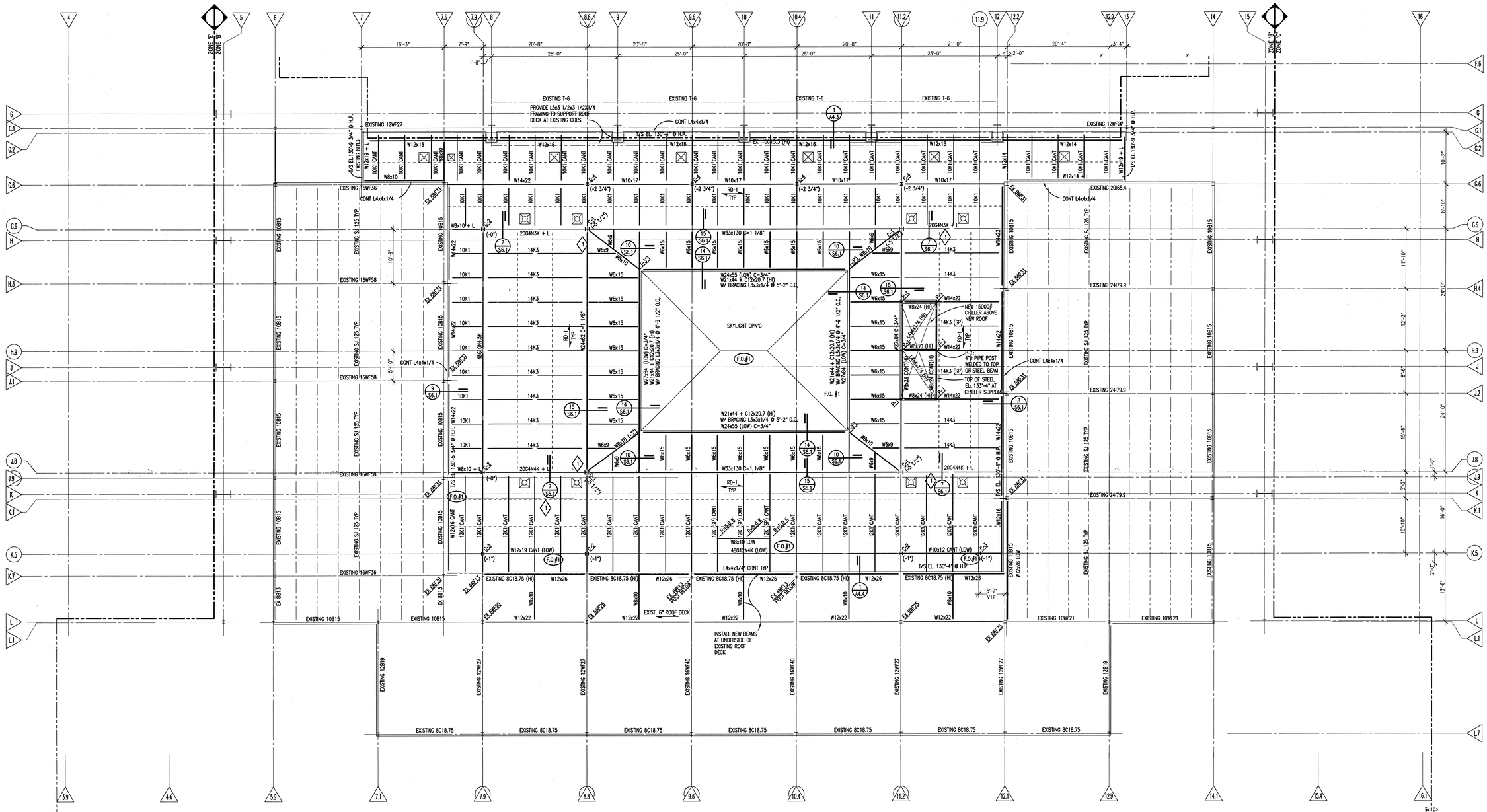
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

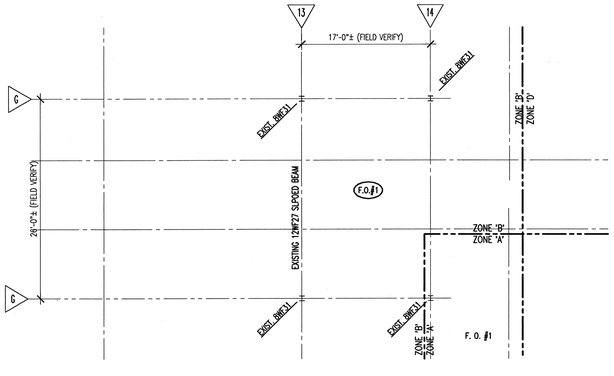
SHEET NO.

S1.3A



HIGH ROOF FRAMING PLAN - ZONE 'A'

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



PARTIAL ROOF FRAMING PLAN - ZONE 'B'

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

NOTES

1. TOP OF STEEL ELEVATIONS ARE GIVEN RELATIVE TO FIRST FLOOR ELEVATION OF 100'-0" AND ARE REFERENCED TO THE UNDERSIDE OF THE ROOF DECK. T/S EL. IS 130'-4" AT HIGH POINT. ELEVATIONS AT OTHER POINTS ARE NOTED (-X") FROM THAT ELEVATION.
2. RD-1: 1 1/2" x 20 GAGE WIDE RIB GALVANIZED AND PRIME PAINTED STEEL ROOF DECK.
3. BEAMS OR JOISTS ARE SPACED EQUALLY WITHIN BAYS UNLESS DIMENSIONED OTHERWISE.
4. JOISTS MARKED "SP" ARE TO BE DESIGNED BY THE JOIST MANUFACTURER FOR THE CONCENTRATED OR VARYING UNIFORM LOADS INDICATED.
5. ⊠ INDICATES ROOF SUMP. PROVIDE FRAMING AT PERIMETER OF RECESSED SUMP PAN PER TYPICAL DETAIL ON S6.1.
6. ⊠ INDICATES OPENING THRU ROOF DECK. PROVIDE FRAMING AT PERIMETER OF OPENING PER TYPICAL DETAIL ON S6.1.
7. - - - - - - - - INDICATES HORIZONTAL BRIDGING.
8. ——— INDICATES EXISTING FRAMING TO REMAIN.

SHEET:	OF:
I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

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

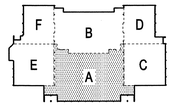
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

High Roof Framing Plan - Zone 'A'



KEY PLAN
NO SCALE

c:\acad\2003\03118_____.dwg

9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
5-24-04	FIELD ORDER #1
3-18-04	ADDENDUM #1
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D. D. REVIEW

DATE:	ISSUED FOR:
DRAWN	R. L. N.
CHECKED	R. L. N.
APPROVED	T. A. B.

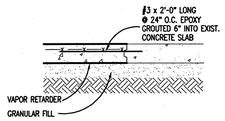
PROJECT NO.

CP03111

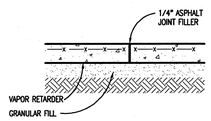
TMP PROJECT NO. 03118

SHEET NO.

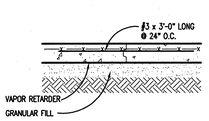
S1.4A



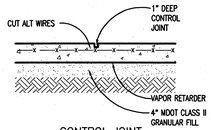
CONSTRUCTION JOINT
NEW TO EXISTING



ISOLATION JOINT



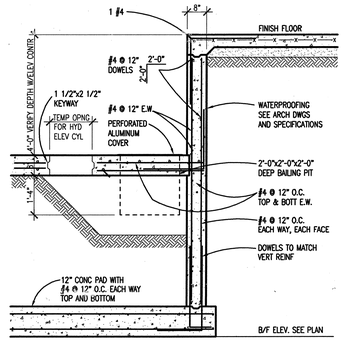
CONSTRUCTION JOINT



CONTROL JOINT

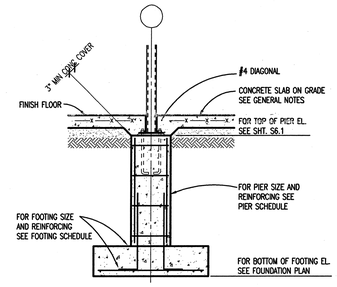
TYPICAL SLAB ON GRADE DETAILS

NO SCALE



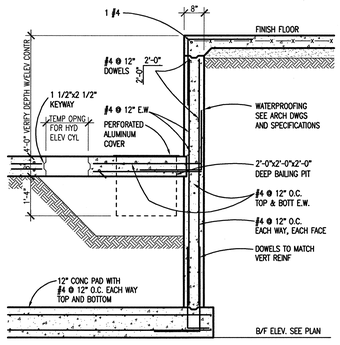
2 S1.1A SECTION

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



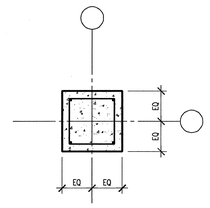
1 S1.1A SECTION

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



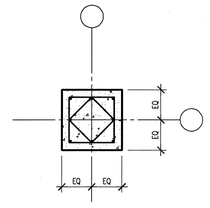
2 S1.1A SECTION

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



TYPE A

NO SCALE



TYPE B

NO SCALE

GENERAL FOUNDATION AND CONCRETE NOTES
(EXCEPT AS OTHERWISE SHOWN OR NOTED)

1. FOOTINGS SHALL BEAR ON FIRM UNDISTURBED SOIL OF 3000 PSF BEARING CAPACITY. THE OWNER'S GEOTECHNICAL CONSULTANT SHALL VERIFY THE BEARING CAPACITY OF THE SOIL AT EACH FOOTING. IF SOIL OF INSUFFICIENT BEARING IS ENCOUNTERED AT THE DEPTH INDICATED ON THE DRAWINGS, CONTACT THE ARCHITECT OR THE ENGINEER IMMEDIATELY.
2. CONTRACTOR SHALL NOTIFY OWNER'S TESTING FIRM 24 HOURS BEFORE BEING REQUIRED ON JOB.
3. ALL CONCRETE SHALL BE NORMAL WEIGHT WITH SLUMP AND MINIMUM COMPRESSIVE STRENGTH INDICATED IN THE CONCRETE COMPRESSIVE STRENGTH TABLE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
5. THE SOIL BORING LOGS AND REPORT ARE INCLUDED WITH THE BID DOCUMENTS.
6. REINFORCING SHALL BE CONTINUOUS; LAP MINIMUM 36 BAR DIA. AT SPLICES AND CONTINUE AROUND CORNERS.
7. CONTRACTOR SHALL ENSURE STABILITY OF FOUNDATION WALL DURING CONSTRUCTION AND BACKFILLING BY BRACING AS REQUIRED. BACKFILL ALONG FOUNDATION WALLS SHALL BE PLACED ONLY AFTER THE CONCRETE HAS ATTAINED ITS DESIGN STRENGTH.
8. FLOOR SLABS CAST ON GRADE SHALL BE 5" THICK, REINFORCED WITH 6x6 W2.1xW2.1 WWF PLACED ONE THIRD FROM TOP OF SLAB. USE #4 @ 12" E.W. IN SLABS UNDER CERAMIC TILE, QUARRY TILE OR TERRAZZO. LAP WITH WWF FROM ADJACENT CONSTRUCTION.
   A. PROVIDE CONTROL JOINTS IN SLABS ON GRADE ONLY WHERE THE CONCRETE SURFACE IS EXPOSED TO VIEW IN FINISHED CONSTRUCTION, SEE FOUNDATION PLAN FOR LOCATION OF JOINTS.
   B. LOCATION OF CONSTRUCTION JOINTS IN SLABS ON GRADE IS TO BE DETERMINED BY THE CONTRACTOR EXCEPT THAT NO CONSTRUCTION JOINTS ARE TO BE PLACED IN AREAS WHERE THE FLOOR FINISH IS CERAMIC OR QUARRY TILE.
9. THE CENTERLINES OF ALL PIERS AND SPREAD FOOTINGS ARE ON COLUMN CENTERLINES UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
10. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS PRIOR TO PLACING CONCRETE FOR LOCATION OF PIPE SLEEVES, ELECTRICAL CONDUITS, OPENINGS AND OTHER EMBEDDED ITEMS.
11. PROVIDE 2#5 (MIN.) ADDITIONAL BARS AROUND ALL OPENINGS AND 1#5 x 4'-0" LONG DIAGONAL AT EACH CORNER AT OPENINGS LARGER THAN 1'-0". EXTEND BARS 2 FEET BEYOND OPENINGS U.N.O.
12. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION OF STRUCTURAL DRAWING DIMENSIONS.
13. PROVIDE 4" MIN. MDOT CLASS II DRAINAGE FILL UNDER ALL SLABS ON GRADE, COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.

CONCRETE COMPRESSIVE STRENGTH REQUIRED

NOTE: SEE SPECIFICATIONS FOR PROPORTIONING, PLACING, CURING TESTING, ETC.

USE	SLUMP	28 DAY STRENGTH
FOUNDATIONS, FLOOR SLABS, WALLS MISC. INTERIOR CONCRETE SLABS ON FORM DECK	2"-4"	3000 PSI
CONCRETE EXPOSED TO WEATHER	2"-3"	4000 PSI (AIR-ENTRAINED)
COMPOSITE FLOOR SLAB REGULAR WEIGHT CONCRETE	2" - 4"	3500 PSI

FOOTING SCHEDULE

fsoil = 3KSF
f'c = 3KSI
fy = 60KSI

MARK	SIZE	REINFORCING BOTTOM EA. WAY U.N.O.	REMARKS
F-2.5	2'-6" X 2'-6" X 1'-4"	3 - #4	
F-3	3'-0" X 3'-0" X 1'-4"	3 - #4	
F-3.5	3'-6" X 3'-6" X 1'-4"	4 - #4	
F-4	4'-0" X 4'-0" X 1'-4"	4 - #4	
F-4.5	4'-6" X 4'-6" X 1'-4"	4 - #5	
F-5	5'-0" X 5'-0" X 1'-4"	5 - #5	
F-5.5	5'-6" X 5'-6" X 1'-4"	6 - #5	
F-6	6'-0" X 6'-0" X 1'-4"	7 - #5	
F-6.5	6'-6" X 6'-6" X 1'-4"	8 - #5	
F-7	7'-0" X 7'-0" X 1'-5"	6 - #6	

ASSUME MINIMUM 12" SQUARE PIER OR BASE PLATE

PIER SCHEDULE

MARK	SIZE	REINFORCING VERT	REINFORCING TIES	REMARKS
P-1	16"x16"	4-#6	#3@12"	PIER TYPE 'A'
P-2	18"x18"	4-#6	#3@12"	PIER TYPE 'A'
P-3	20"x20"	8-#6	2#3@12"	PIER TYPE 'B'
P-4	22"x22"	8-#6	2#3@12"	PIER TYPE 'B'

SHEET: OF:

I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
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PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Foundation Notes, Schedules and Details

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DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
3-26-04	ADDENDUM #2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D. D. REVIEW
DRAWN	R.L.N.
CHECKED	R.L.N.
APPROVED	T.A.B.

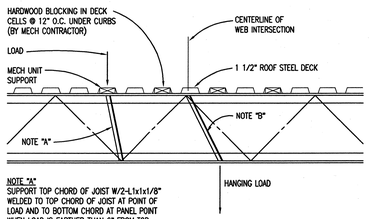
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

S4.1

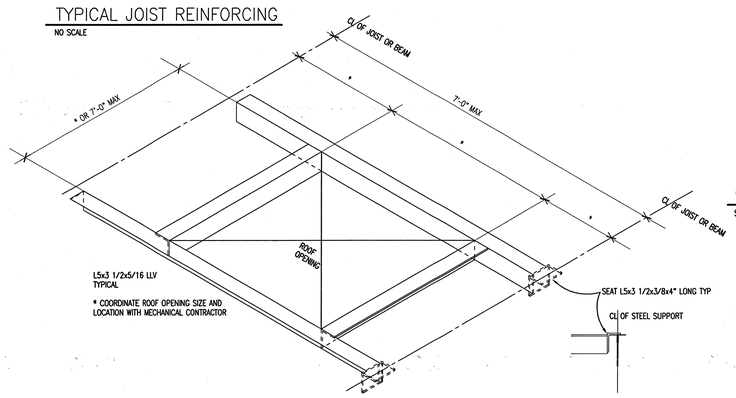


NOTE "A"
SUPPORT TOP CHORD OF JOIST W/2-L1x1x1/8" WELDED TO TOP CHORD OF JOIST AT POINT OF LOAD AND TO BOTTOM CHORD AT PANEL POINT WHEN LOAD IS FARTHER THAN 6" FROM TOP CHORD PANEL POINT.

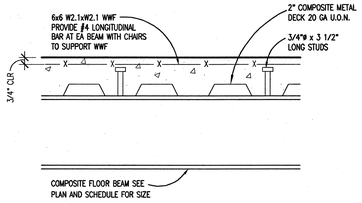
NOTE "B"
SUPPORT BOTTOM CHORD OF JOIST W/2-L1x1x1/8" WELDED TO BOTTOM CHORD OF JOIST AT LOAD AND TO TOP CHORD AT PANEL POINT WHEN LOAD IS FARTHER THAN 6" FROM BOTTOM CHORD PANEL POINT.

TYPICAL JOIST REINFORCING

NO SCALE

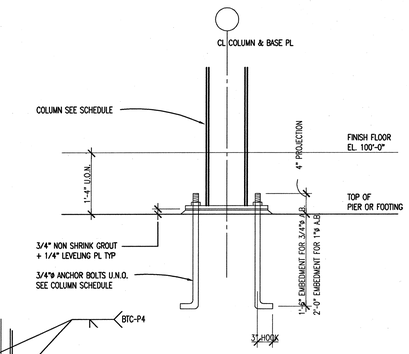


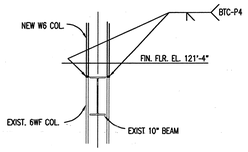
TYPICAL ANGLE FRAME FOR MECHANICAL OPENINGS



SUPPORTED FLOOR SLAB CONSTRUCTION

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

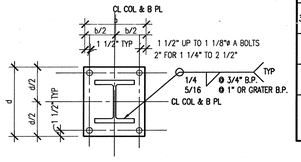




TYPICAL BASE PLATE

SCALE 1" = 1'-0"

FIELD VERIFY EXISTING FRAMING CONDITION AND ADJUST DETAIL ACCORDINGLY



COL. C-4 CONNECTION DETAIL

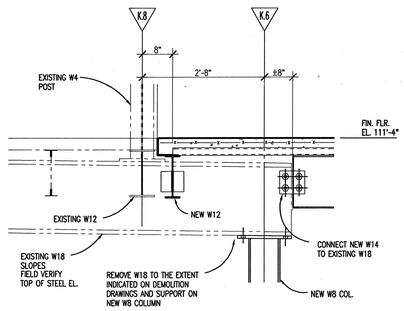
SCALE 1 1/2"=1'-0"

COLUMN SCHEDULE

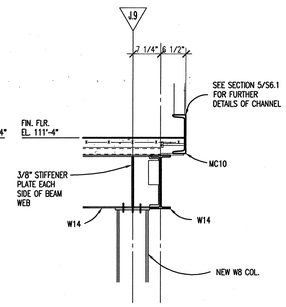
MARK / ELEVATION	C-7	C-6	C-5	C-4	C-3	C-2	C-1
T/S EL. 130'-4"							①
AT H.P.							
LOW ROOF EL. 121'-4"				NEW W8x15			F.O.#1
T/SLAB EL. 111'-4"				SEE CONN. DETAIL W/S SHEET			
T/S EL. 110'-11 1/2"	W8x15	W8x24	W8x31	EX. 6WF15	W8x18	W8x24	W10x33
FINISH FLOOR EL. 100'-0"							1'-3" TYP
CAP PLATE	3/8"	3/8"	1/4"	3/8"	3/4"	3/4"	3/8"
BASE PLATE bxbxd	3/4"x12"x1'-0"	3/4"x12"x1'-2"	1"x14"x1'-2"	3/4"x8"x0'-5"	3/4"x12"x1'-2"	1"x12"x1'-2"	1"x12"x1'-4"
BASE PLATE TYPE	A	A	A	A	A	A	A
ANCHOR BOLTS	4 - 3/4"Ø A.B.	4 - 3/4"Ø A.B.	4 - 3/4"Ø A.B.	4 - 3/4"Ø A.B.	4 - 3/4"Ø A.B.	4 - 3/4"Ø A.B.	4 - 1"Ø A.B.
REMARKS			1/2" CAP PLATE W/4 - 3/4"Ø H.S. BOLTS				

NOTE: TOP OF STEEL ELEVATION GIVEN FOR REFERENCE ONLY. SEE ARCH. DWGS. FOR ACTUAL HEIGHT.

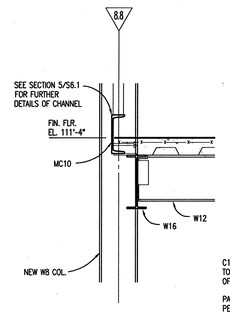
TYPE A



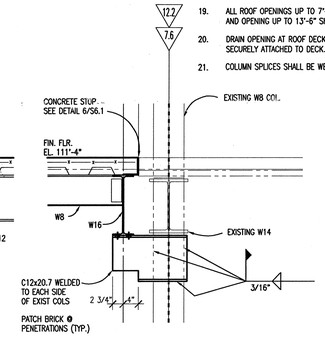
4 S1.2A SECTION
SCALE: 3/4" = 1'-0"



3 S1.2A SECTION
SCALE: 3/4" = 1'-0"



2 S1.2A SECTION
SCALE: 3/4" = 1'-0"



1 S1.2A SECTION
SCALE: 3/4" = 1'-0"

GENERAL STRUCTURAL STEEL NOTES

(EXCEPT AS OTHERWISE SHOWN OR NOTED)

1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS OF LATEST EDITION.
2. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992 GRADE 50 UNLESS OTHERWISE NOTED. ANGLES, CHANNELS, PLATES AND BARS SHALL CONFORM TO ASTM A36. SQUARE AND RECTANGULAR TUBE SHALL CONFORM TO ASTM A500 WITH A FY = 46KSI. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH A Fy = 35 ksi.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIA. ASTM A325N BEARING TYPE BOLTS (WITH THREADS ASSUMED IN THE SHEAR PLANE) UNLESS OTHERWISE NOTED. CONNECTION AT WIND FRAME,WIND BENT AND MOMENT CONNECTION SHALL BE 3/4" DIA. ASTM A325 (SC) SLIP CRITICAL TYPE BOLTS.
4. ALL ROOF BEAM AND NON COMPOSITE BEAM END CONNECTIONS SHALL BE DOUBLE ANGLES CAPABLE OF SUPPORTING 50% OF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM UNLESS OTHERWISE NOTED. CONNECTION ANGLES SHALL BE 5/16" MINIMUM THICKNESS.
5. SEE ARCHITECTURAL DRAWINGS FOR ANGLES, CLIPS, BARS, PLATES AND OTHER ITEMS ATTACHED TO STRUCTURAL MEMBERS.
6. VERIFY SIZE AND LOCATION OF ROOF OPENINGS WITH MECHANICAL CONTRACTOR.
7. PROVIDE TEMPORARY BRACING AS REQUIRED TO MAINTAIN ALIGNMENT AND SECURITY OF STRUCTURE DURING CONSTRUCTION.
8. DO NO CUTTING, DRILLING OR MODIFYING OF STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE ARCHITECT.
9. CONTRACTOR SHALL VERIFY PERTINENT DIMENSIONS AND CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
10. STEEL JOISTS SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE STANDARDS OF THE STEEL JOIST INSTITUTE.
11. ALL SPECIAL JOISTS AND JOIST GIRDERS MARKED "SP" ARE TO BE DESIGNED BY THE JOIST MANUFACTURER AND SUBMIT THE DETAIL & CALCULATION PRIOR TO FABRICATION FOR THE CONCENTRATED, VARYING UNIFORM OR HANGING LOADS INDICATED ON DRAWINGS.
12. ADJACENT OPEN WEB STEEL JOISTS OF SAME DEPTH AND SPAN SHALL HAVE PANEL POINTS ALIGNED FOR CLEAR PASSAGE OF ELECTRICAL AND MECHANICAL SERVICES.
13. PROVIDE 12"x18 GA. STEEL PLATE AT CHANGE IN METAL DECK DIRECTION. FASTEN SECURELY WITH PUDDLE WELDS EACH SIDE AT 6" O.C.
14. ALL COMPOSITE FLOOR BEAM END CONNECTIONS SHALL BE DOUBLE ANGLES CAPABLE OF SUPPORTING 75% OF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM UNLESS NOTED OTHERWISE. CONNECTION ANGLES SHALL BE 5/16" MINIMUM THICKNESS.
15. STEEL SURFACES TO BE ENCASED IN CONCRETE OR TO RECEIVE SHEAR STUDS FOR COMPOSITE BEAM ACTION SHALL BE LEFT UNPAINTED.
16. COMPOSITE BEAM SHEAR STUDS SHALL BE 3/4" DIA. AND 3 1/2" LONG, SEE DETAILS, AND BE UNIFORMLY SPACED UNLESS OTHERWISE NOTED. [00] INDICATES THE NUMBER OF SHEAR STUDS REQUIRED.
17. ROOF DECK SHALL BE 1 1/2" - 20 GAGE WIDE RIB METAL DECK, MINIMUM 3 SPAN CONTINUOUS, GALVANIZED UNLESS OTHERWISE NOTED.
18. PROVIDE 3/4" CAMBER AT MID-SPAN OF ALL NON COMPOSITE BEAM SPANS 30'-0" OR MORE, UNLESS OTHERWISE NOTED. PROVIDE CAMBER ON COMPOSITE BEAM AS NOTED ON PLAN.
19. ALL ROOF OPENINGS UP TO 7'-0" SHALL BE FRAMED WITH L5x3 1/2x5/16 LLV OR C5x6.7 U.N.O. AND AND OPENING UP TO 13'-6" SHALL BE FRAMED WITH C8x11.5 U.N.O.
20. DRAIN OPENING AT ROOF DECK UP 12" FOR DRAIN TO BE REINFORCED WITH 24"x24" 14 GAGE PLATE AND SECURELY ATTACHED TO DECK.
21. COLUMN SPLICES SHALL BE WELDED OR BOLTED AT THE OPTION OF THE STEEL CONTRACTOR.

DESIGN ROOF LOAD - TYPICAL

LIVE LOAD	*30 PSF
DEAD LOAD	
RFG. & INS.	10 PSF
STEEL	4 PSF
METAL DECK	3 PSF
MISC.	8 PSF
TOTAL DEAD LOAD	25 PSF

* ADJUSTED PER MICHIGAN BUILDING CODE 2000

ROOF SNOW LOAD DESIGN CRITERIA

Pg = GROUND SNOW LOAD	30 PSF
Ce = EXPOSURE FACTOR	0.7 **
Ct = THERMAL FACTOR	1.0
Is = IMPORTANCE FACTOR	1.1 *
Pf = FLAT ROOF SNOW LOAD	XX PSF

** BASED ON TERRAIN CATEGORY — FULLY EXPOSED
* BASED ON BUILDING CLASSIFICATION CATEGORY OF I, II, III, IV SHELTERED — PARTIALLY EXPOSED

WIND LOAD DESIGN CRITERIA

EXPOSURE	B
V = BASIC WIND SPEED	75 MPH
Iw = IMPORTANCE FACTOR	1.1
Pmin. = WIND DESIGN PRESSURE	15 PSF

EARTHQUAKE LOAD DESIGN CRITERIA

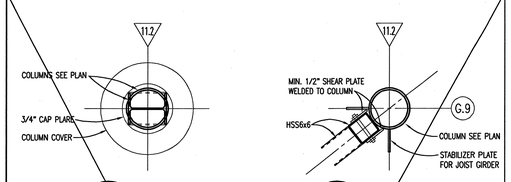
S_{DS} = DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS	0.16 G
S_{D1} = DESIGN SPECTRAL RESPONSE ACCELERATION AT ONE SECOND PERIODS	0.08 G
SITE CLASS	D
SEISMIC USE GROUP	II
SEISMIC DESIGN CATEGORY	B
Ie = SEISMIC IMPORTANCE FACTOR	1.25
R = RESPONSE MODIFICATION FACTOR	5

DESIGN FLOOR LOAD

LIVE LOAD	80 PSF
PARTITION LOAD	20 PSF
DEAD LOAD	
STRUCT CONC SLAB (RG.WT.)	45 PSF
STEEL	7 PSF
CEILING & MISC	8 PSF
TOTAL DEAD LOAD	60 PSF

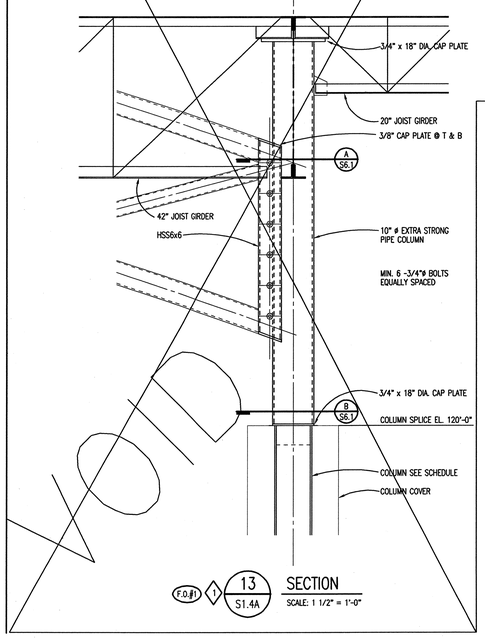
DESIGN FLOOR LOAD - MECHANICAL

LIVE LOAD	125 PSF
DEAD LOAD	
STRUCT CONC SLAB (RG.WT.)	45 PSF
STEEL	9 PSF
CEILING & MISC	8 PSF
TOTAL DEAD LOAD	62 PSF

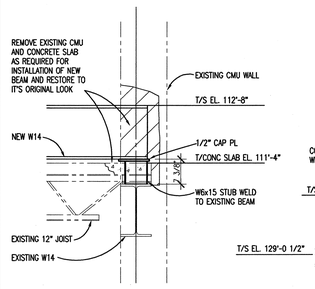


F.O.#1 B S6.1 DETAIL
SCALE: 3/4" = 1'-0"

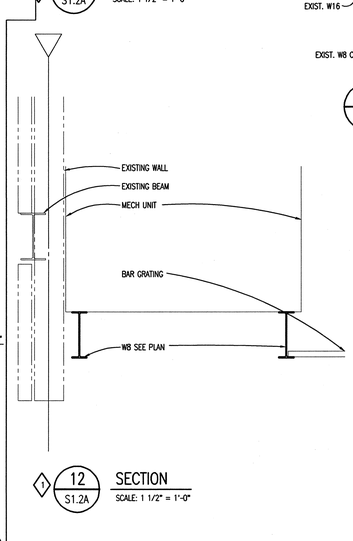
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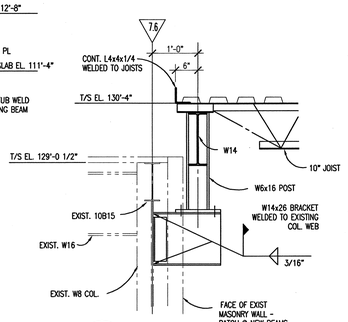
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SCALE: 1 1/2" = 1'-0"



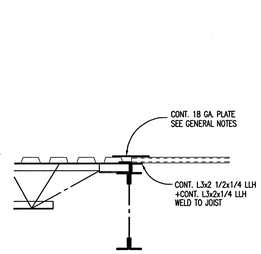
1 11 S1.2A SECTION
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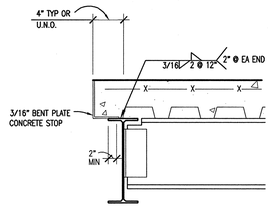
1 12 S1.2A SECTION
SCALE: 1 1/2" = 1'-0"



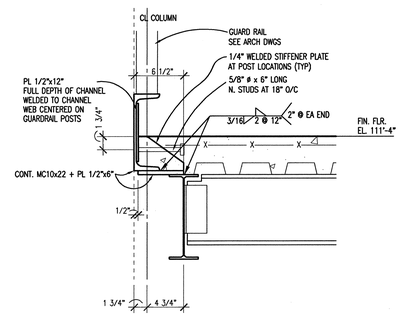
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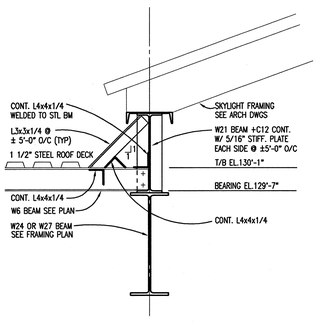
7 S1.4A SECTION
SCALE: 3/4" = 1'-0"



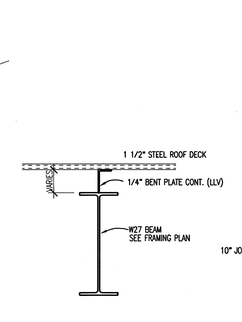
6 S1.2A TYPICAL CONCRETE STOP
SCALE: 1 1/2" = 1'-0"



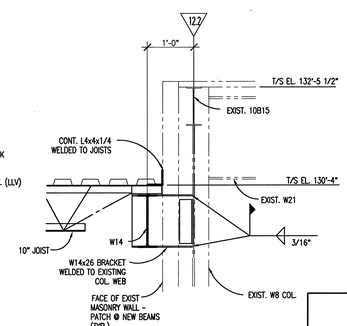
5 S1.2A SECTION
SCALE: 1 1/2" = 1'-0"



F.O.#1 14 S1.4A SECTION
SCALE: 3/4" = 1'-0"



F.O.#1 10 S1.4A SECTION
SCALE: 3/4" = 1'-0"



9 S1.4A SECTION
SCALE: 3/4" = 1'-0"

SHEET:	OF:
I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
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EM - INFO @TMP-ARCHITECTURE.COM

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Steel Framing Notes, Schedules and Details

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DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
5-24-04	FIELD ORDER #1
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D. D. REVIEW
DRAWN	R.L.N.
CHECKED	R.L.N.
APPROVED	T.A.B.

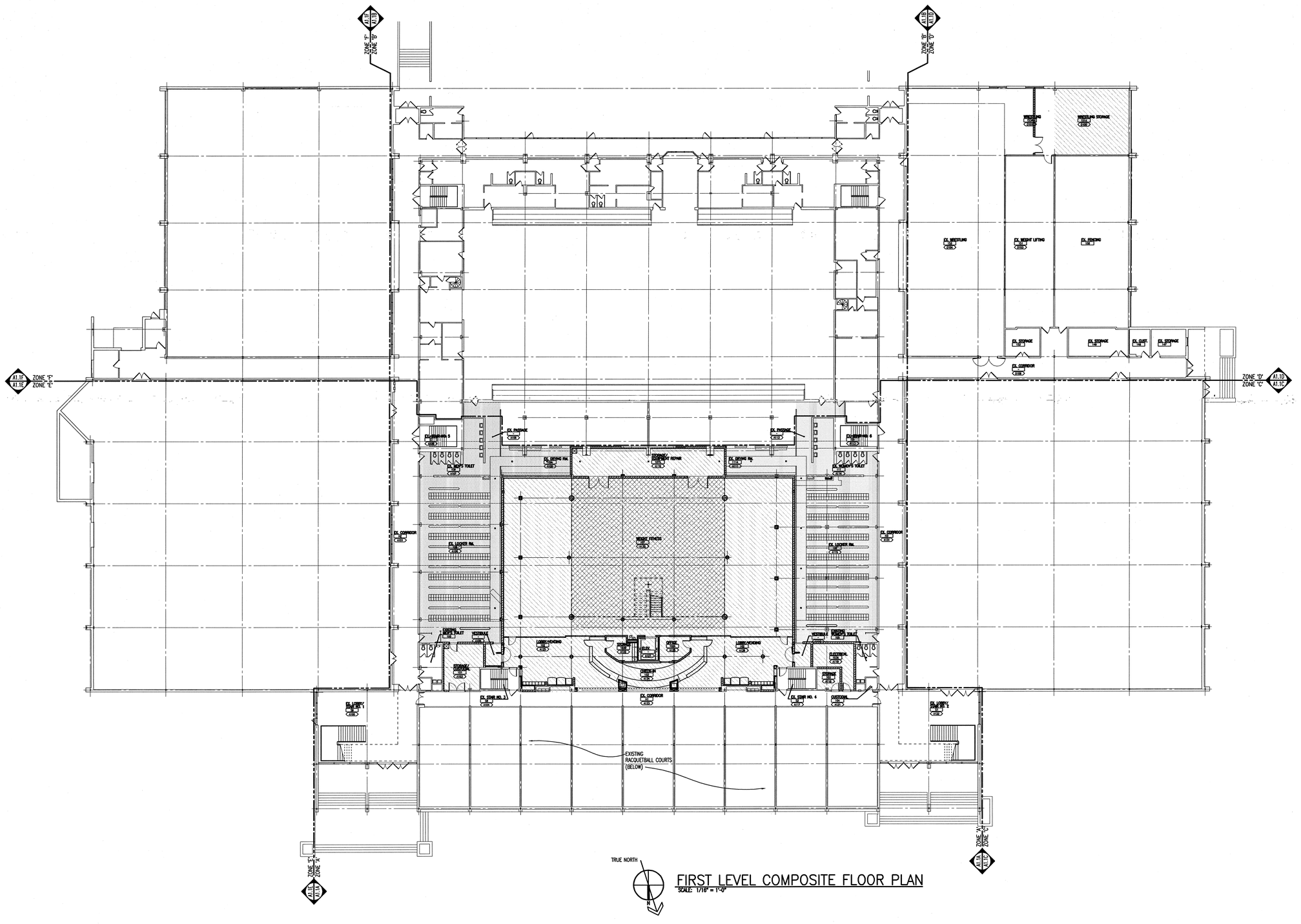
PROJECT NO.

CP03111

TMP PROJECT NO. 0311B

SHEET NO.

S6.1



FIRST LEVEL COMPOSITE FLOOR PLAN

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

LEGEND

- ADDITION
- ALTERATION & RENOVATION
- RENOVATION

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
1191 WEST SQUARE LAKE ROAD · BOX 189
BLOOMFIELD HILLS · MICHIGAN · 48303
PH · 248.338.4561 FX · 248.338.0223
EM · INFO @TMP-ARCHITECTURE.COM

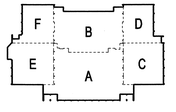
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Composite Floor Plan



KEY PLAN
NO SCALE

q:\acad\2003\03118_____.dwg

DATE:	ISSUED FOR:
9-08-05	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DRAWN	MWE
CHECKED	MWE
APPROVED	DWL

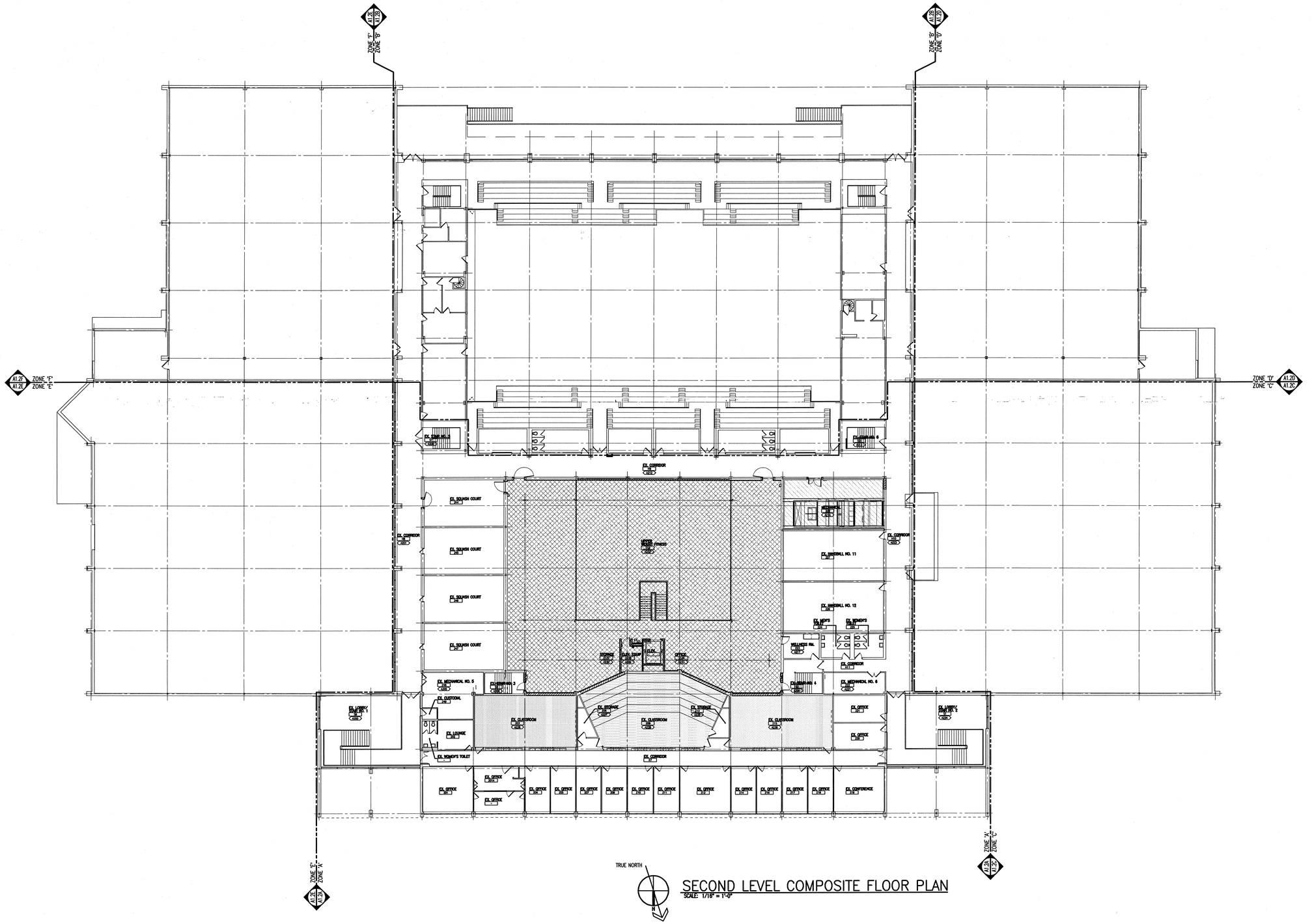
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

AC.1



SECOND LEVEL COMPOSITE FLOOR PLAN

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

LEGEND

- ADDITION
- ALTERATION & RENOVATION
- RENOVATION

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

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

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Second Level Composite Floor Plan

F B D
E A C

KEY PLAN
NO SCALE

c:\acad\2003\03118_____.dwg

DATE:	ISSUED FOR:
9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW
DRAWN	MWE
CHECKED	TAC
APPROVED	TAC

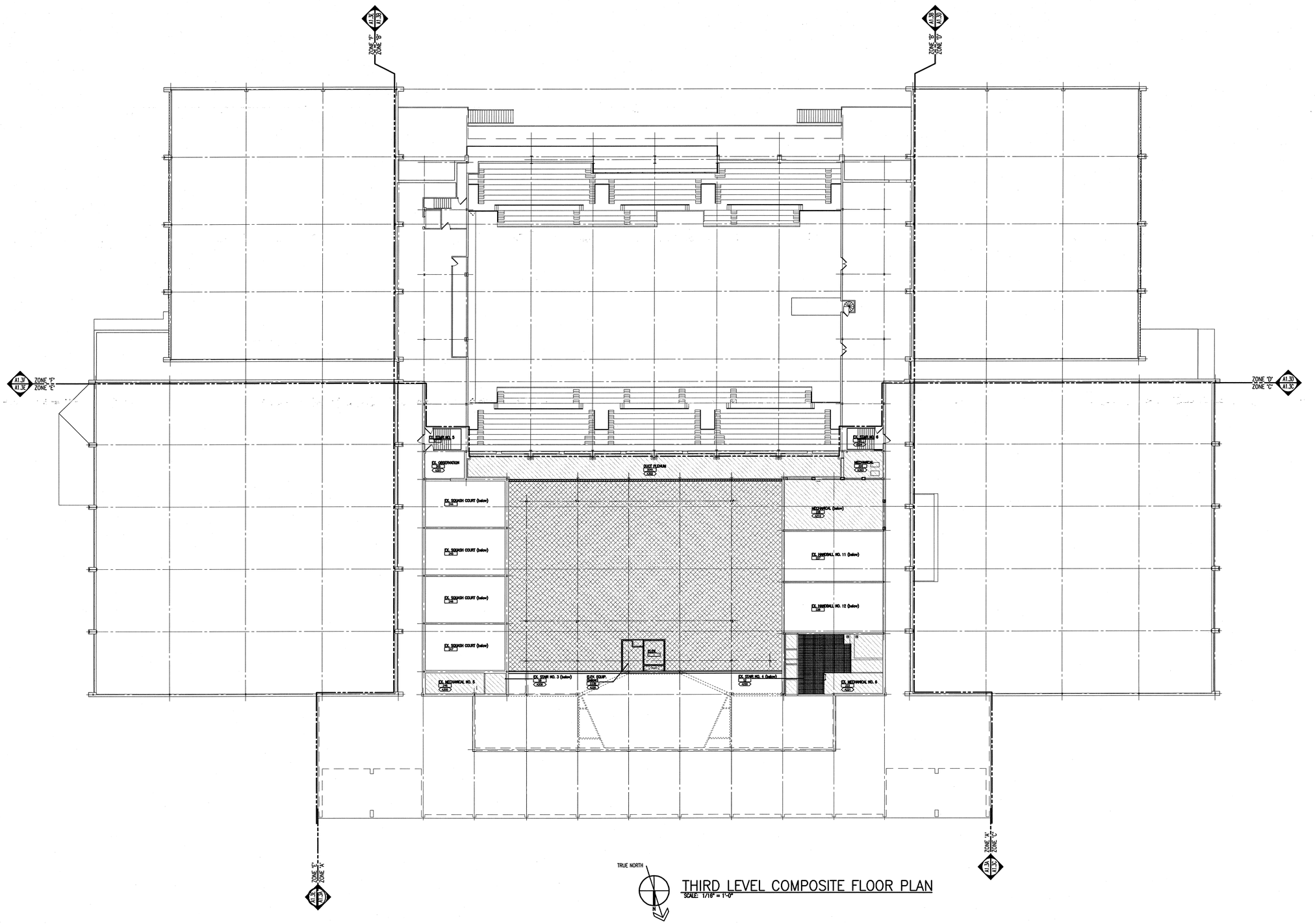
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

AC.2



TRUE NORTH

THIRD LEVEL COMPOSITE FLOOR PLAN

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

LEGEND

- ADDITION
- ALTERATION & RENOVATION
- RENOVATION

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APPD BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
1291 WEST SQUARE LAKE ROAD · BOX 289
BLOOMFIELD HILLS · MICHIGAN · 48303
PH · 248.338.4561 FX · 248.338.0223
EM · INFO @TMP-ARCHITECTURE.COM

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Third Level Composite Floor Plan

F B D
E A C

KEY PLAN
NO SCALE

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DATE:	ISSUED FOR:
9-08-05	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DRAWN	MWE
CHECKED	TAC
APPROVED	TAC

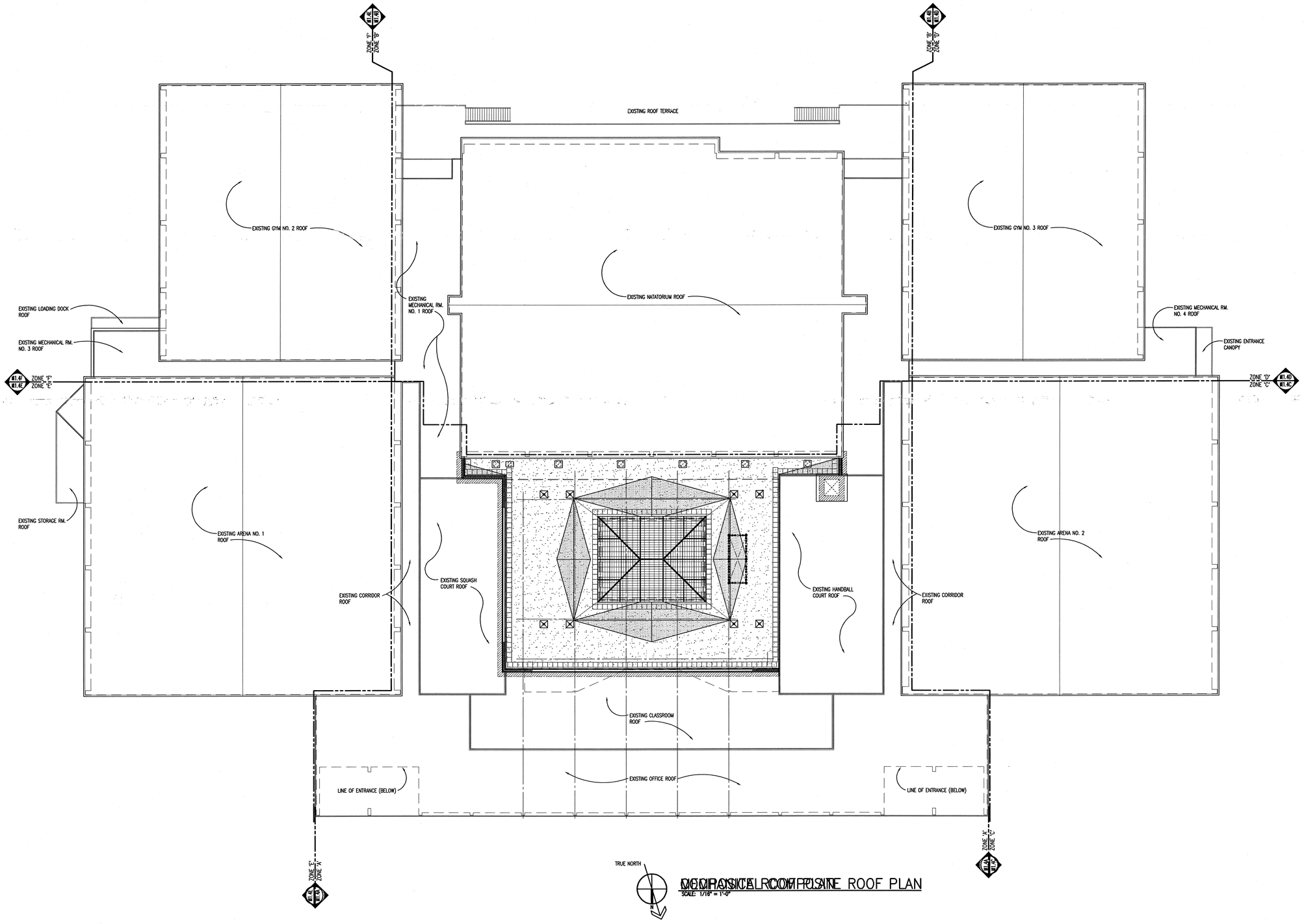
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

AC.3



MECHANICAL ROOF PLAN

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

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

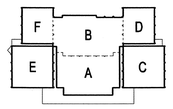
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Mechanical Roof Plan



KEY PLAN
NO SCALE

c:\acad\2002\03118_____.dwg

DATE:	ISSUED FOR:
9-08-05	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW
DRAWN	MWE
CHECKED	TAC
APPROVED	TAC

PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

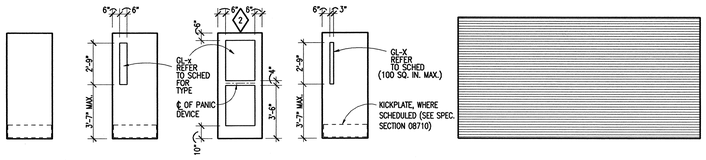
AC.4

SHEET: OF:

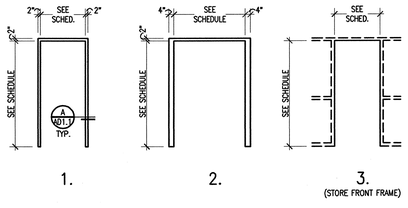
I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP0311

DOOR AND FRAME SCHEDULE

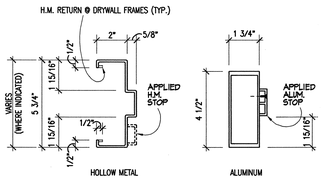
Opening No.	Opening Size	Door Type	Door Material	Door Finish	Door Glass	Frame Type	Frame Material	Frame Finish	Frame Glass	Details Head	Details Jamb	Details Sill	Threshold	U.L. Label	Hdwe. Set	Remarks
First Level - Zone 'A'																
A100	(1)3'-0"x7'-0" (1)1'-8 1/2"x7'-0"	A	H.M.	PTD	.	2	H.M.	PTD	.	15/A5.2	13/A5.1	.	-	B	01	ELECTRO MAGNETIC HOLD-OPEN
1 A102	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
A103A	(2)3'-2"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	16/A5.2	8/A5.2	5/A5.2	MAR	C	03	.
A103B	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	16/A5.2	8/A5.2, 9/A5.2	5/A5.2	MAR	C	04	.
A104	3'-0"x 7'-0"	D	H.M.	PTD	GL-2	1	H.M.	PTD	.	15/A5.2	11/A5.2	5/A5.2	MAR	B	05	.
A105A	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	18/A5.2	12/A5.2	1/A5.2	MAR	B	06	ELECTRO MAGNETIC HOLD-OPEN
1 2 A106A	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 2 A107	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
A110A	(2)4'-0"x 7'-10"	A	H.M.	PTD	.	1	H.M.	PTD	.	22/A5.2	20/A5.1	.	.	-	10	MIRROR APPLIED TO DOOR FACES
A110B	(2)4'-0"x 7'-10"	A	H.M.	PTD	.	1	H.M.	PTD	.	22/A5.2	20/A5.1	.	.	-	10	MIRROR APPLIED TO DOOR FACES
1 2 A114	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 2 A115A	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
A116A	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	18/A5.2	12/A5.2	1/A5.2	MAR	B	06	ELECTRO MAGNETIC HOLD-OPEN
F.O. F5 A117	3'-0"x 7'-0"	D	H.M.	PTD	GL-2	1	H.M.	PTD	.	15/A5.2	.	5/A5.2	MAR	B	05	.
F.O. F5 A118	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	16/A5.2	8/A5.2	5/A5.2 SIM.	MAR	.	11	.
A119	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	16/A5.2	8/A5.2	5/A5.2 SIM.	MAR	.	11	.
1 A120	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 A122	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	14/A5.2	14/A5.2	1/A5.2	-	.	12	PAINT LOBBY SIDE OF DOOR & FRAME COLOR-2
A123A	16'-8"x 8'-0"	E	STL.	PTD	.	.	-	-	.	2/M.4	2/A5.1	2/M.4	MAR	A	.	OVERHEAD COILING DOOR (CONCEALED HOOD, SEE 2/M.4)
A123B	17'-4"x 8'-0"	E	STL.	PTD	.	.	-	-	.	2/M.4	1/A5.1	2/M.4	MAR	A	.	OVERHEAD COILING DOOR (CONCEALED HOOD, SEE 2/M.4)
A123C	16'-8"x 8'-0"	E	STL.	PTD	.	.	-	-	.	2/M.4	2/A5.1	2/M.4	MAR	A	.	OVERHEAD COILING DOOR (CONCEALED HOOD, SEE 2/M.4)
A125A	3'-0"x 7'-10"	C	AL.	PFN	GL-1	3	AL.	PFN	GL-1	.	.	2/A5.2	MET	.	13	PART OF STORE FRONT FRAMING
A125B	(4)4'-0"x 7'-10"	C	AL.	PFN	GL-1	.	AL.	PFN	GL-1	19/A5.2	7/A5.1	3/A5.2	AL.TRK.	.	14	SLIDING MALL FRONT (LOCK IN TRAILING DOOR STILE)
1 A128	3'-0"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	14/A5.2	14/A5.2	4/A5.2	-	.	15	PAINT LOBBY SIDE OF DOOR & FRAME COLOR-2
A129A	3'-0"x 7'-10"	C	AL.	PFN	GL-1	3	AL.	PFN	GL-1	.	.	2/A5.2	MET	.	13	PART OF STORE FRONT FRAMING
A129B	(4)4'-0"x 7'-10"	C	AL.	PFN	GL-1	.	AL.	PFN	GL-1	19/A5.2	7/A5.1	3/A5.2	AL.TRK.	.	14	SLIDING MALL FRONT (LOCK IN TRAILING DOOR STILE)
A132	(1)3'-0"x7'-0" (1)1'-8 1/2"x7'-0"	A	H.M.	PTD	.	2	H.M.	PTD	.	15/A5.2	13/A5.1	.	-	B	01	ELECTRO MAGNETIC HOLD-OPEN
A001	3'-0"x 7'-0"	-	WM		.	-	WM		.	.	.	.	-	-	14	WIRE MESH PARTITION & GATE, REFER TO DWG. A6.1
Second Level - Zone 'A'																
A200	(1)3'-0"x7'-0" (1)1'-8 1/2"x7'-0"	A	H.M.	PTD	.	2	H.M.	PTD	.	15/A5.2	13/A5.1	.	-	B	01	ELECTRO MAGNETIC HOLD-OPEN
A206	3'-0"x 7'-4"	D	H.M.	PTD	GL-2	1	H.M.	PTD	.	3/M.1	14/A5.1	3/M.1	MET	B	16	ALARMED
A212A	4'-0"x 7'-4"	A	H.M.	PTD	.	1	H.M.	PTD	.	21/A5.2	18/A5.1	3/M.1 SIM.	MET	B	17	ALARMED
A212B	4'-0"x 7'-4"	A	H.M.	PTD	.	1	H.M.	PTD	.	21/A5.2	18/A5.1	3/M.1 SIM.	MET	B	17	ALARMED
A214	(2)3'-2"x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	20/A5.2	12/A5.2	6/A5.2	MET	C	03	.
A217	3'-0"x 7'-4"	D	H.M.	PTD	GL-2	1	H.M.	PTD	.	3/M.2 SIM.	14/A5.1 SIM.	3/M.2 SIM.	MET	B	18	.
A220	3'-0"x 7'-4"	D	H.M.	PTD	GL-2	1	H.M.	PTD	.	3/M.2	14/A5.1 SIM.	3/M.2	MET	B	16	ALARMED
A224	(1)3'-0"x7'-0" (1)1'-8 1/2"x7'-0"	A	H.M.	PTD	.	2	H.M.	PTD	.	15/A5.2	13/A5.1	.	-	B	11	ELECTRO MAGNETIC HOLD-OPEN
A229	3'-0"x 7'-4"	A	H.M.	PTD	.	1	H.M.	PTD	.	14/A5.2	14/A5.2	.	-	C	11	.
1 A230	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 A231	(NOT USED)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
First Level - Zone 'D'																
D100	(2) 3'-2" x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	20/A5.2	12/A5.2	.	.	C	03	.
D103	3'-0" x 7'-0"	A	H.M.	PTD	.	1	H.M.	PTD	.	15/A5.2	10/A5.2	.	.	20 MIN.	19	.
D104	(2) 3'-4" x 7'-0"	B	H.M.	PTD	GL-2	1	H.M.	PTD	.	15/A5.2	.	.	.		07	.



DOOR TYPES



FRAME TYPES



FRAME PROFILES

DOOR SCHEDULE ABBREVIATIONS AND NOTES

(REFER TO SPECIFICATIONS FOR ADDITIONAL DOOR INFORMATION)

DOOR SCHEDULE ABBREVIATIONS

AL.	ALUMINUM
AL.GL.	ALUMINUM AND GLASS
HM	HOLLOW METAL
PFN	PREFINISHED BY MANUFACTURER
PTD	PAINTED
MAR	SYNTHETIC MARBLE THRESHOLD
MET	METAL THRESHOLD
STL	STEEL
AL.TRK.	RECESSED ALUMINUM SLIDING DOOR TRACK
WM	WIRE MESH

DOOR SCHEDULE GENERAL NOTES

1. DETAIL NUMBERS NOTED SIM. REFER TO DETAILS SHOWING HEAD, JAMB, AND/ OR SILL DETAILS THAT REPRESENT CONDITIONS SIMILAR TO THOSE NOTED.
2. DOORS ARE 1-3/4" THICK UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ALL EXISTING MASONRY OPENINGS WHERE NEW DOORS AND FRAMES ARE SCHEDULED.

GLAZING TYPES

(REFER TO SPECIFICATIONS FOR ASSEMBLIES)

GL-1	1/4" CLEAR TEMPERED GLASS
GL-2	1/4" WIRE GLASS
GL-3	1" TINTED, INSULATING SLOPED GLAZING (LAMINATED INTERIOR LITE)
GL-4	1/4" LAMINATED, POLISHED PLATE GLASS MIRROR

U.L. DOOR LABEL DESIGNATION:

U.L. LABEL	MIN. OPENING PROTECTION ASSEMBLY
A	3 HR. RATING
B	1 1/2 HR. RATING
C	3/4 HR. RATING
20 MIN.	20 MINUTE FIRE RATING

ROOM FINISH SCHEDULE

Room No.	Room Name	Floor Material	Base Material	N. Wall Material	S. Wall Material	E. Wall Material	W. Wall Material	Ceiling Material	Ceiling Height	Notes
First Level - Zone 'A'										
A100	EX. LOBBY STAIR NO. 1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A101	EX. CORRIDOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
1 A102	(NOT USED)	.	.	.	.	.	.	.	.	.
A103	STORAGE/CUSTODIAL	CONC-S	NONE	CMU-P	CMU-P	CMU-P	CMU-P	EXP-P	.	1
A104	EX STAIR NO. 3	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A105	VESTIBULE	CT-1	CT-1	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	8'-6"	.
1 A106	EX. LOCKER RM.	EXIST.	EXIST./ CT-3	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	8'-2"	3
A107	EX. MEN'S TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	ACT-2	8'-6"	3
A108	EX. STAIR NO. 5	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
1 1 A109	EX. DRYING RM.	EXIST.	EXIST./ CT-3	EXIST.	EXIST.	EXIST.	CMU-EP	ACT-2	8'-6"	3
A110	STORAGE/EQUIPMENT REPAIR	CONC-S	RB-1	CMU-P	CMU-P	CMU-P	CMU-P	EXP-P	.	1
1 1 A111	EX. DRYING RM.	EXIST.	EXIST./ CT-3	EXIST.	EXIST.	CMU-EP	EXIST.	ACT-2	8'-6"	3
A112	EX. PASSAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	ACT-2	8'-6"	.
A113	EX. STAIR NO. 6	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	6
A114	EX. WOMEN'S TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	ACT-2	8'-0"	.
1 A115	EX. LOCKER RM.	EXIST.	EXIST./ CT-3	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	8'-2"	3
A116	VESTIBULE	CT-1	CT-1	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	8'-6"	.
A117	EX. STAIR NO. 4	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A118	STORAGE	CONC-S	NONE	CMU-P	CMU-P	CMU-P	CMU-P	EXP-P	.	1
A119	ELECTRICAL	CONC-S	NONE	CMU-P	CMU-P	CMU-P	CMU-P	EXP-P	.	1
1 A120	(NOT USED)	.	.	.	.	.	.	.	.	.
1 A121	(NOT USED)	.	.	.	.	.	.	.	.	.
F.O. F5 A122	STORAGE	VCT	RB-1	VP-P	VP-P	VP-P	VP-P	ACT-2	8'-0"	.
A123	EX. CORRIDOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST	-	.
1 A124	CHECK-IN	CT-1	CT-1	-	VP-P	-	-	ACT-2	8'-4"	.
1 A125	LOBBY/VENDING	CT-1, CT-2	CT-1	CMU-P	AL.GL.	VP-P / CMU-P	-	ACT-2	8'-6"	4, 5, 8
A126	(NOT USED)	.	.	.	.	.	.	.	.	.
A127	ELEV.	RTF	(REFER TO SPECIFICATIONS SECTION 14240 FOR FINISHES)							
A128	OFFICE	CPT-1	RB-1	VP-P	VP-P	VP-P	VP-P	ACT-2	8'-6"	.
1 A129	LOBBY/VENDING	CT-1, CT-2	CT-1	CMU-P	AL.GL	-	VP-P / CMU-P	ACT-2	8'-6"	4, 5, 8
1 A130	WEIGHT FITNESS	RSF, CT-1	RSF, RB-1, RB-2	AL.GL / VP-P	MIRROR / GB-P	VP-P	VP-P	EXP-P / GB-P	.	1, 8, 13
A131	EX. CORRIDOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A132	EX. LOBBY STAIR NO. 2	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A133	EX. PASSAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	ACT-2	8'-6"	.
Second Level - Zone 'A'										
A200	EX. LOBBY STAIR NO. 1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A206	EX. STAIR NO. 3	EXIST.	RB-1	EXIST.	EXIST.	EXIST.	CMU-P	EXIST.	.	11
A212	EX. CORRIDOR	EXIST.	RB-1	CMU-P / EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	9, 11
A213	EX. STAIR NO. 6	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	6
A214	MECHANICAL	CONC-EP	EP	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	10
A217	WELLNESS ROOM	CPT	RB-1	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	8'-0"	.
A220	EX. STAIR NO. 4	EXIST.	RB-1	EXIST.	EXIST.	CMU-P	EXIST.	EXIST.	.	11
A223	EX. CORRIDOR	EXIST.	EXIST.	EXIST.	EXIST.	CMU-P	EXIST.	EXIST.	.	10
A224	EX. LOBBY STAIR NO. 2	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	.	.
A226	EX. CLASSROOM	SV-O	RB-O	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	9'-0"	.
A228	EX. CLASSROOM	SV-O	RB-O	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	9'-0"	.
A229	ELEV. EQUIP.	CONC-S	NONE	VP-P	VP-P	VP-P	VP-P	VP-P	8'-6"	.
1 A230	(NOT USED)	.	.	.	.	.	.	.	.	.
1 A231	(NOT USED)	.	.	.	.	.	.	.	.	.
1 A232	UPPER WEIGHT FITNESS	RTF, CT-1	RB-2	VP-P / GB-P / EXIST.-P	GB-P	EXIST-P / CMU-P	EXIST-P / CMU-P	EXP-P	.	1, 8, 13, 14
A233	ELEV.	.	.	.	.	.	.	.	.	.
A236	EX. CLASSROOM	SV-O	RB-O	CMU-P	CMU-P	CMU-P	CMU-P	ACT-2	9'-0"	.
Third Level - Zone 'A'										
A301	EX. OBSERVATION	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	.	.
A302	DUCT PLENUM	CONC-EP	EP	-	-	-	-	-	.	.
A303	MECHANICAL	EXIST	EXIST	EXIST	EXIST	EXIST	CMU-P	-	.	.
A304	EX. STAIR NO. 6	EXIST	EXIST, RB-1	CMU-P	EXIST	EXIST	EXIST	EXIST	.	6
First Level - Zone 'D'										
D100	WRESTLING STORAGE	VCT	RB-1	EXIST	EXIST	CMU-P	EXIST.	EXP-P	.	9
D101	WRESTLING	VCT	RB-1	EXIST	EXIST	EXIST	CMU-P	EXIST-P	.	9

ROOM FINISH SCHEDULE ABBREVIATIONS AND NOTES

(REFER TO SPECIFICATIONS FOR FINISH MATERIAL INFORMATION)

ROOM FINISH SCHEDULE REMARKS

1. PAINT ALL EXPOSED STRUCTURE, DUCT WORK, ELECTRICAL CONDUIT, HANGARS AND BRACKETS. AND HANGERS AND BRACKETS.
1 2. (NOT USED)
1 1 3. EXISTING TERRAZZO FLOOR IS TO REMAIN (EXCEPT AT PATCHED AREAS, SEE PLAN). PROVIDE CT-3 BASE AT NEW WALL CONSTRUCTION ONLY.
4. CT-1 IS TO BE USED AT THE FRONT FACE OF THE CHECK-IN DESK (4"x 4" TILES). REFER TO DETAILS ON SHEET A8.1.
5. REFER TO SHEET A10.1A FOR FLOOR TILE PATTERN.
6. PATCH, REPAIR AND PAINT ANY AREAS AFFECTED BY HVAC DEMOLITION AND WHERE EXISTING DOOR OPENING IS INFILLED AT THE TOP LANDING.
1 7. (NOT USED)
1 8. COLUMN ENCLOSURES TO BE PAINTED.
9. PAINT NEW WALL CONSTRUCTION ONLY.
10. PAINT NEW CMU AT THE ENTRANCE OF MECHANICAL A214. PAINT TO MATCH ADJACENT FINISHES.
11. PROVIDE NEW WALL BASE (RB-1) AT NEW WALL CONSTRUCTION ONLY.
12. PATCH TERRAZZO BASE ADJACENT ALL NEW DOOR FRAMES CUT INTO EXISTING WALLS.
13. CERAMIC TILE AT DRINKING FOUNTAIN ALCOVES ONLY, REFER TO SHEET 10.1A
1 14. PAINT GYPSUM BOARD AT INSIDE FACE OF NEW PARAPET WALL CONSTRUCTION (FROM 12'-8" ABOVE SECOND FINISH FLOOR TO NEW ROOF DECK, SEE 2/A3.1 FOR EXTENT)

FLOORS

CONC-S	CONCRETE - WITH APPLIED SURFACE SEALER
CONC-EP	CONCRETE - WITH EPOXY PAINT
CPT	CARPET
CT	12" x 12" CERAMIC TILE (THINSET, U.O.N.)
RSF	RUBBER SHEET FLOORING
RTF	RUBBER TILE FLOORING
SV-O	SHEET VINYL FLOORING (FURNISHED & INSTALLED BY OWNER)
TERR	TERRAZZO TILE
VCT	VINYL COMPOSITION TILE

WALL BASE

EP	EPOXY PAINT (4" HIGH)
RB-1	RESILIENT - COVED OR STRAIGHT (4" HIGH)
RB-2	RESILIENT - COVED OR STRAIGHT (6" HIGH)
RB-O	RUBBER BASE (FURNISHED & INSTALLED BY OWNER)
RSF	RUBBER SHEET FLOORING
CT	CERAMIC TILE
NONE	WALL MATERIAL EXTENDS TO FLOOR

WALLS

1 CMU-EP	CONCRETE BLOCK MASONRY UNITS - EPOXY PAINTED
CMU-P	CONCRETE BLOCK MASONRY UNITS - PAINTED
1 CMU-MC	(NOT USED)
AL.GL.	ALUMINUM FRAMING AND GLASS
VP-P	VENEER PLASTER - PAINTED
1 VP-MC	(NOT USED)
MIRROR	MIRROR WALL
1 EXIST.-P	EXISTING MASONRY - PAINTED

CEILINGS

EXP-P	EXPOSED CONSTRUCTION - PAINTED
1 ACT-1	(NOT USED)
ACT-2	24" x 24" ACOUSTIC TILE SUSPENDED LAY-IN CEILING PANEL
1 VP-P	(NOT USED)
GB-P	GYPSUM BOARD - PAINTED

TONED ENTRIES DENOTE REVISIONS PER BULLETIN NO. 3

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY	SCALE: AS NOTED
PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
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PH - 248.338.4561 FX - 248.338.0223
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PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Door and Frame/ Room Finish Schedule

DATE:	ISSUED FOR:
9-08-06	AS-BUILT
2-21-05	F.O. #7 (NOT REISSUED)
9-24-04	F.O. #5 (NOT REISSUED)
9-8-04	BULL. #3 (NOT REISSUED)
6-17-04	BULLETIN NO. 1
3-26-04	ADDM. #2 (NOT REISSUED)
2-18-04	BIDS
1-28-04	FINAL REVIEW
DRAWN	MML, RF, KB
CHECKED	RF, KB, MWE
APPROVED	DWL

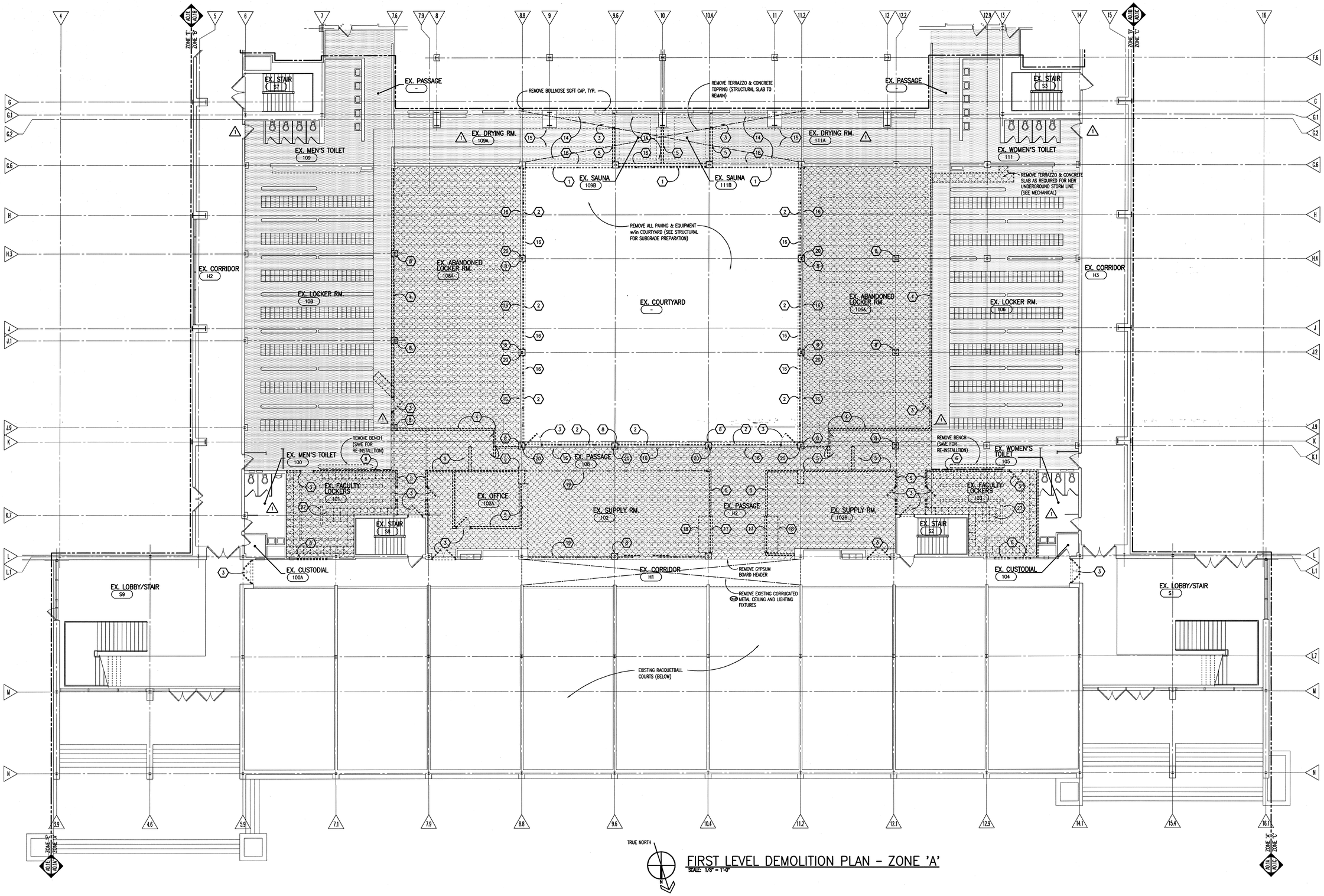
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

AD.1



TRUE NORTH

FIRST LEVEL DEMOLITION PLAN - ZONE 'A'

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. (NOT USED)
4. COORDINATE PHASING AND SEQUENCING OF DEMOLITION AND PATCHING WORK WITH CONSTRUCTION MANAGER.
5. DO NOT REMOVE ANY INDICATED OR NOTED BEAMS, COLUMNS, OR MASONRY BEARING WALLS WITHOUT OBSERVING THE EFFECT UPON THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN. ALL QUESTIONABLE CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION.
6. PATCH WALLS, FLOORS AND CEILINGS WHERE WALLS ARE REMOVED. FILL AND PATCH SUBFLOORS TO RECEIVE NEW FLOORCOVERING. PATCH BASE TO MATCH ADJACENT.
7. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARD, TACKBOARD, OR EQUIPMENT, IS INDICATED. FILL HOLES AND PATCH EXISTING WALLS, BASES AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
8. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL INTO EXISTING WHEREVER INFILL REMAINS EXPOSED.
9. SEE SPECIFICATION SECTIONS 01731 & 01732 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
10. REFER ALSO TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION AND PATCHING KEYNOTES

1. REMOVE ALUMINUM CURTAIN WALL FRAMING AND GLAZING.
2. REMOVE EXTERIOR ALUMINUM WINDOW FRAMING AND GLAZING.
3. REMOVE DOOR, FRAME AND RELATED HARDWARE.
4. REMOVE GYPSUM BOARD PARTITION.
5. REMOVE MASONRY WALL.
6. REMOVE PORTION OF MASONRY WALL AS REQUIRED FOR NEW DOOR. PATCH WALL AS DESCRIBED IN PATCHING NOTES ON PLANS. REFER TO DOOR SCHEDULE FOR NEW M.O. DIMENSIONS.
7. (NOT USED)
8. REMOVE MASONRY COLUMN ENCLOSURE.
9. REMOVE SUSPENDED CEILING SYSTEM IN ENTIRE ROOM OR AREA INDICATED. SURFACE/PENDANT LIGHTING FIXTURES WILL BE REMOVED BY ELECTRICAL.
10. (NOT USED)
11. REMOVE PORTION OF EXISTING FLOOR CONSTRUCTION AS REQUIRED FOR UNDERGROUND PLUMBING (SEE MECHANICAL DRAWINGS).
12. REMOVE PLUMBING FIXTURE (SEE MECHANICAL DWGS).
13. REMOVE FLOOR DRAIN (SEE MECHANICAL FOR ADDITIONAL INFORMATION).
14. REMOVE BUILT-IN TERRAZZO BENCH & SUPPORT FRAMING. PATCH FLOOR AND WALL AS REQUIRED.
15. REMOVE ALUMINUM TRENCH DRAIN GRATING & FRAME. SEE MECHANICAL DRAWINGS FOR DRAIN MODIFICATIONS.
16. REMOVE MASONRY SILL WALL TO 12" BELOW FINISH FLOOR.
17. REMOVE OVERHEAD COILING GRILLE, TRACK AND HOUSING.
18. REMOVE CASEWORK OR MILLWORK.
19. REMOVE WIRE MESH PARTITION AND ASSOCIATED GATES.
20. REMOVE STRUCTURAL STEEL COLUMN (SEE STRUCTURAL DRAWINGS).
21. REMOVE TOILET PARTITION.
22. REMOVE METAL SILL WALL/FIN TUBE ENCLOSURE.
23. REMOVE STONE THRESHOLD.
24. REMOVE HOLLOW METAL WINDOW FRAMING & GLAZING.
25. REMOVE MARBLE STOOL.
26. REMOVE ALUMINUM SILL FLASHING.
27. REMOVE LOCKERS AND BENCHES.

LEGEND

- SAWCUT AND REMOVE CONCRETE FLOOR SLAB.
- REMOVE ROOFING AND INSULATION, TYP.
- REMOVE FLASHING, ROOF PAVERS, DECK, STRUCTURE & COLUMNS
- REMOVE SUSPENDED CEILINGS IN AREA OF NEW WORK, TYP.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
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BLOOMFIELD HILLS · MICHIGAN · 48303
PH · 248.338.4561 FX · 248.338.0223
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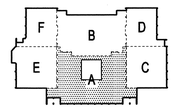
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Demolition Plan - Zone 'A'



KEY PLAN
NO SCALE

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9-08-05	AS-BUILT
2-21-05	FIELD ORDER NO. 7 (INR)
6-17-04	BULLETIN NO. 1
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW
DATE:	ISSUED FOR:
DRAWN	MWE
CHECKED	MWE
APPROVED	TAC

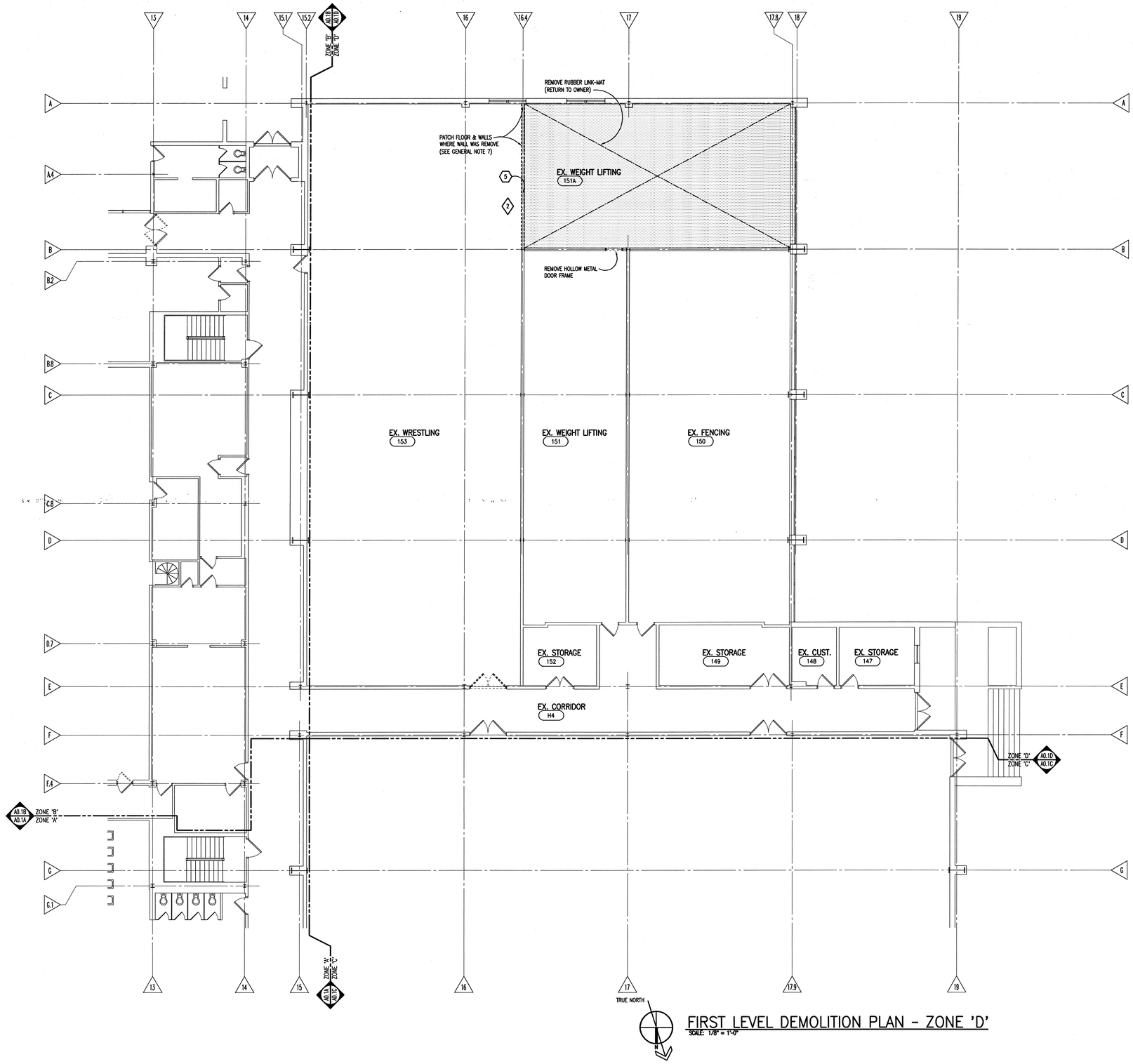
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A0.1A



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. (NOT USED)
4. COORDINATE PHASING AND SEQUENCING OF DEMOLITION AND PATCHING WORK WITH CONSTRUCTION MANAGER.
5. DO NOT REMOVE ANY INDICATED OR NOTED BEAMS, COLUMNS, OR MASONRY BEARING WALLS WITHOUT OBSERVING THE EFFECT UPON THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN. ALL QUESTIONABLE CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION.
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9. SEE SPECIFICATION SECTIONS 01731 & 01732 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
10. REFER ALSO TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION AND PATCHING KEYNOTES

1. REMOVE ALUMINUM CURTAIN WALL FRAMING AND GLAZING.
2. REMOVE EXTERIOR ALUMINUM WINDOW FRAMING AND GLAZING.
3. REMOVE DOOR, FRAME AND RELATED HARDWARE.
4. REMOVE GYPSUM BOARD PARTITION.
5. REMOVE MASONRY WALL.
6. REMOVE PORTION OF MASONRY WALL AS REQUIRED FOR NEW DOOR. PATCH WALL AS DESCRIBED IN PATCHING NOTES ON PLANS. REFER TO DOOR SCHEDULE FOR NEW M.O. DIMENSIONS.
7. (NOT USED)
8. REMOVE MASONRY COLUMN ENCLOSURE.
9. REMOVE SUSPENDED CEILING SYSTEM IN ENTIRE ROOM OR AREA INDICATED. SURFACE/PENDANT LIGHTING FIXTURES WILL BE REMOVED BY ELECTRICAL.
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12. REMOVE PLUMBING FIXTURE (SEE MECHANICAL DWGS).
13. REMOVE FLOOR DRAIN (SEE MECHANICAL FOR ADDITIONAL INFORMATION).
14. REMOVE BUILT-IN TERRAZZO BENCH & SUPPORT FRAMING. PATCH FLOOR AND WALL AS REQUIRED.
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20. REMOVE STRUCTURAL STEEL COLUMN (SEE STRUCTURAL DRAWINGS).
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22. REMOVE METAL SILL WALL/FIN TUBE ENCLOSURE.
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25. REMOVE MARBLE STOOL.
26. REMOVE ALUMINUM SILL FLASHING.
27. REMOVE LOCKERS AND BENCHES.

LEGEND

- SAWCUT AND REMOVE CONCRETE FLOOR SLAB.
- REMOVE ROOFING AND INSULATION, TYP.
- REMOVE FLASHING, ROOF PAVERS, DECK, STRUCTURE & COLUMNS
- REMOVE SUSPENDED CEILINGS IN AREA OF NEW WORK, TYP.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET:	OF:
	DRAWN BY:	
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	DATE:	
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE:	AS NOTED
	DWG NO:	B-151-76
	CARD NO:	CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
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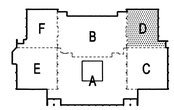
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Demolition Plan - Zone 'D'



KEY PLAN
NO SCALE

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9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE: ISSUED FOR:

DRAWN	MWE
CHECKED	RJF
APPROVED	TAC

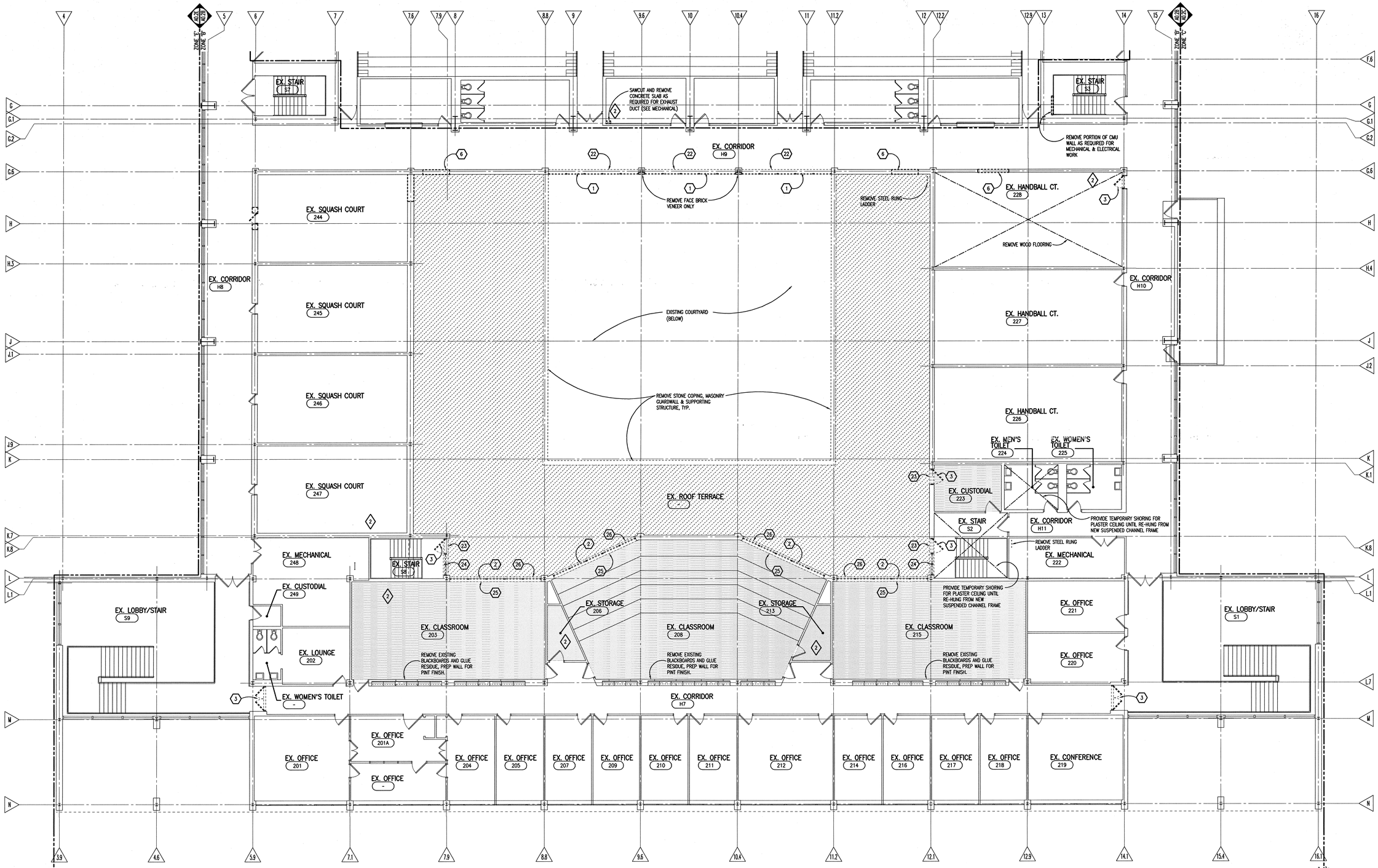
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A0.1D



TRUE NORTH

SECOND LEVEL DEMOLITION PLAN - ZONE 'A'

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. (NOT USED)
4. COORDINATE PHASING AND SEQUENCING OF DEMOLITION AND PATCHING WORK WITH CONSTRUCTION MANAGER.
5. DO NOT REMOVE ANY INDICATED OR NOTED BEAMS, COLUMNS, OR MASONRY BEARING WALLS WITHOUT OBSERVING THE EFFECT UPON THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN. ALL QUESTIONABLE CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION.
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10. REFER ALSO TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION AND PATCHING KEYNOTES

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2. REMOVE EXTERIOR ALUMINUM WINDOW FRAMING AND GLAZING.
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9. REMOVE SUSPENDED CEILING SYSTEM IN ENTIRE ROOM OR AREA INDICATED. SURFACE/PENDANT LIGHTING FIXTURES WILL BE REMOVED BY ELECTRICAL.
10. (NOT USED)
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12. REMOVE PLUMBING FIXTURE (SEE MECHANICAL DWGS).
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25. REMOVE MARBLE STOOL.
26. REMOVE ALUMINUM SILL FLASHING.
27. REMOVE LOCKERS AND BENCHES.

LEGEND

- SAWCUT AND REMOVE CONCRETE FLOOR SLAB.
- REMOVE ROOFING AND INSULATION, TYP.
- REMOVE FLASHING, ROOF PAVERS, DECK, STRUCTURE & COLUMNS
- REMOVE SUSPENDED CEILINGS IN AREA OF NEW WORK, TYP.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET:	OF:
	DRAWN BY:	
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	DATE:	
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE:	AS NOTED
	DWG NO:	B-151-76
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TMP ARCHITECTURE

TMP ASSOCIATES INC
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BLOOMFIELD HILLS · MICHIGAN · 48303
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PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Second Level Demolition Plan - Zone 'A'

KEY PLAN NO SCALE

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9-08-05	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE: ISSUED FOR:

DRAWN MWE
CHECKED RJF
APPROVED TAC

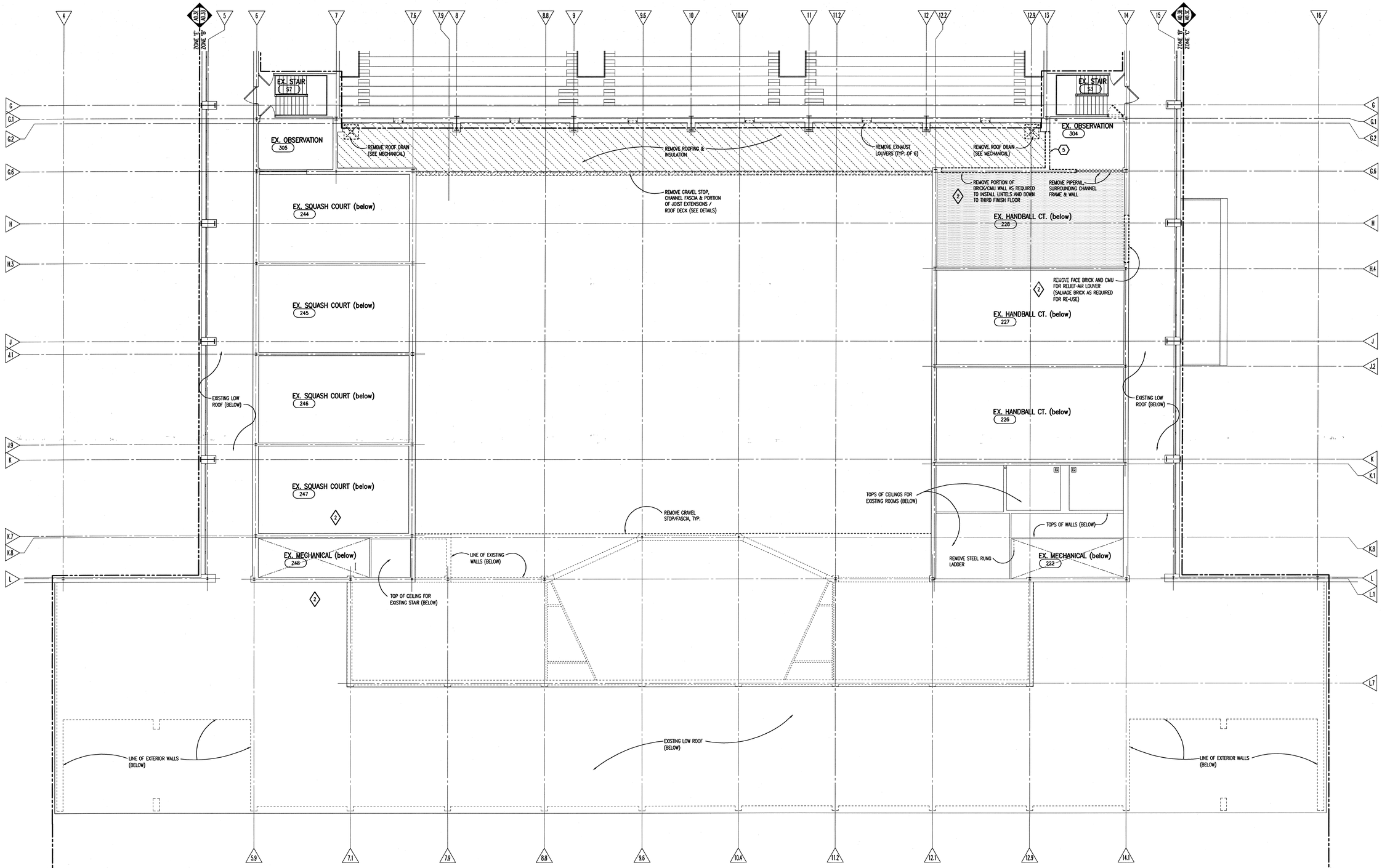
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A0.2A



TRUE NORTH

THIRD LEVEL DEMOLITION PLAN – ZONE 'A'

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. (NOT USED)
4. COORDINATE PHASING AND SEQUENCING OF DEMOLITION AND PATCHING WORK WITH CONSTRUCTION MANAGER.
5. DO NOT REMOVE ANY INDICATED OR NOTED BEAMS, COLUMNS, OR MASONRY BEARING WALLS WITHOUT OBSERVING THE EFFECT UPON THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN. ALL QUESTIONABLE CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION.
6. PATCH WALLS, FLOORS AND CEILINGS WHERE WALLS ARE REMOVED. FILL AND PATCH SUBFLOORS TO RECEIVE NEW FLOORCOVERING. PATCH BASE TO MATCH ADJACENT.
7. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARD, TACKBOARD, OR EQUIPMENT, IS INDICATED. FILL HOLES AND PATCH EXISTING WALLS, BASES AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
8. UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL INTO EXISTING WHEREVER INFILL REMAINS EXPOSED.
9. SEE SPECIFICATION SECTIONS 01731 & 01732 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
10. REFER ALSO TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION AND PATCHING KEYNOTES

1. REMOVE ALUMINUM CURTAIN WALL FRAMING AND GLAZING.
2. REMOVE EXTERIOR ALUMINUM WINDOW FRAMING AND GLAZING.
3. REMOVE DOOR, FRAME AND RELATED HARDWARE.
4. REMOVE GYPSUM BOARD PARTITION.
5. REMOVE MASONRY WALL.
6. REMOVE PORTION OF MASONRY WALL AS REQUIRED FOR NEW DOOR. PATCH WALL AS DESCRIBED IN PATCHING NOTES ON PLANS. REFER TO DOOR SCHEDULE FOR NEW M.O. DIMENSIONS.
7. (NOT USED)
8. REMOVE MASONRY COLUMN ENCLOSURE.
9. REMOVE SUSPENDED CEILING SYSTEM IN ENTIRE ROOM OR AREA INDICATED. SURFACE/PENDANT LIGHTING FIXTURES WILL BE REMOVED BY ELECTRICAL.
10. (NOT USED)
11. REMOVE PORTION OF EXISTING FLOOR CONSTRUCTION AS REQUIRED FOR UNDERGROUND PLUMBING (SEE MECHANICAL DRAWINGS).
12. REMOVE PLUMBING FIXTURE (SEE MECHANICAL DWGS).
13. REMOVE FLOOR DRAIN (SEE MECHANICAL FOR ADDITIONAL INFORMATION).
14. REMOVE BUILT-IN TERRAZZO BENCH & SUPPORT FRAMING. PATCH FLOOR AND WALL AS REQUIRED.
15. REMOVE ALUMINUM TRENCH DRAIN GRATING & FRAME. SEE MECHANICAL DRAWINGS FOR DRAIN MODIFICATIONS.
16. REMOVE MASONRY SILL WALL TO 12" BELOW FINISH FLOOR.
17. REMOVE OVERHEAD COILING GRILLE, TRACK AND HOUSING.
18. REMOVE CASEWORK OR MILLWORK.
19. REMOVE WIRE MESH PARTITION AND ASSOCIATED GATES.
20. REMOVE STRUCTURAL STEEL COLUMN (SEE STRUCTURAL DRAWINGS).
21. REMOVE TOILET PARTITION.
22. REMOVE METAL SILL WALL/FIN TUBE ENCLOSURE.
23. REMOVE STONE THRESHOLD.
24. REMOVE HOLLOW METAL WINDOW FRAMING & GLAZING.
25. REMOVE MARBLE STOOL.
26. REMOVE ALUMINUM SILL FLASHING.
27. REMOVE LOCKERS AND BENCHES.

LEGEND

- SAWCUT AND REMOVE CONCRETE FLOOR SLAB.
- REMOVE ROOFING AND INSULATION, TYP.
- REMOVE FLASHING, ROOF PAVERS, DECK, STRUCTURE & COLUMNS
- REMOVE SUSPENDED CEILINGS IN AREA OF NEW WORK, TYP.

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET:	OF:
	DRAWN BY:	
	APP'D BY:	
	DATE:	
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE:	AS NOTED
	DWG NO:	B-151-76
	CARD NO:	CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
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BLOOMFIELD HILLS · MICHIGAN · 48303
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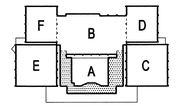
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Third Level Demolition Plan - Zone 'A'



KEY PLAN
NO SCALE

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9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE: ISSUED FOR:

DRAWN MWE
CHECKED MWE
APPROVED TAC

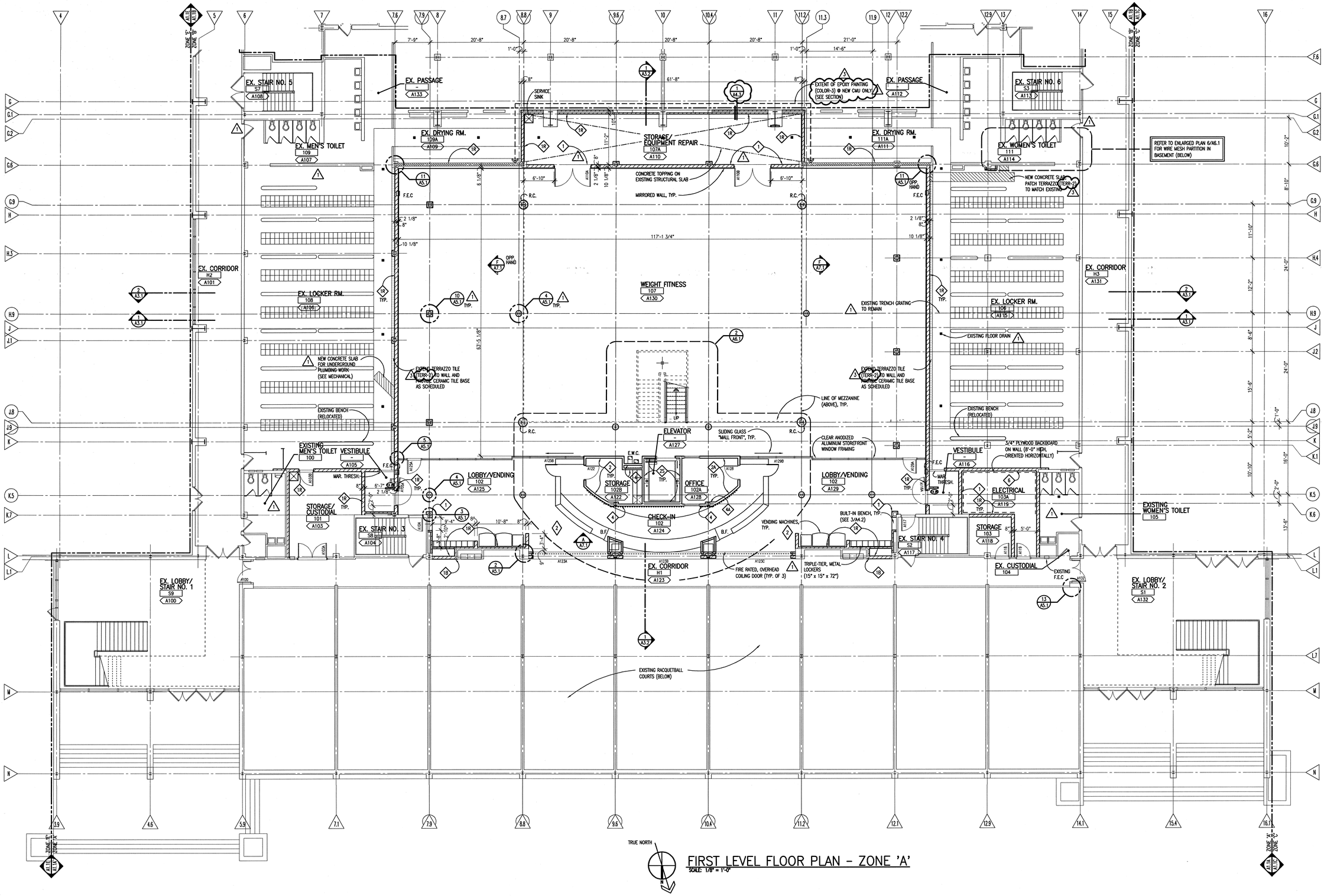
PROJECT NO.

CP03111

TMP PROJECT NO. 0311B

SHEET NO.

A0.3A



FIRST LEVEL FLOOR PLAN - ZONE 'A'

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

GENERAL NOTES

1. REFER TO ROOM NO. A217 (ON A1.2A) & ROOM NO. A122 (SEE 2/A6.1) FOR CASEWORK.
2. VERIFY ALL DIMENSIONS IN FIELD.
3. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (i.e. GRAB BARS, TOWEL DISPENSERS, WALL STOPS, ETC.). REFER ALSO TO A9. SERIES AND A6. SERIES DRAWINGS.
4. APPLY CONTINUOUS SEALANT TO JOINTS BETWEEN DISSIMILAR MATERIALS.
5. FIELD VERIFY EXTENT AND LOCATIONS OF EXISTING SERVICES TO REMAIN OR TO BE MODIFIED.
6. ABOVE CEILING LINES, FRAME PARTITION CONSTRUCTION AROUND EXISTING PIPING, CONDUIT, DUCTWORK AND OTHER MISCELLANEOUS ITEMS TO REMAIN. SEAL AROUND ALL EXISTING CONSTRUCTION AS REQUIRED TO ACHIEVE AN ACOUSTICAL AND/OR FIRE SEPARATION.
7. REFER TO DRAWING LS.1, LS.2 & LS.3 FOR EXTENT OF REQUIRED FIRE SEPARATION WALLS. IDENTIFY, THEN PLUG, PATCH AND FILL-IN ANY VOIDS IN EXISTING WALLS TO REMAIN, IN BOTH EXPOSED AND CONCEALED AREAS, WITH MATERIALS COMPLYING WITH CUTTING AND PATCHING SPECIFICATIONS, SO AS TO ACHIEVE THE REQUIRED FIRE RESISTANCE RATING.
8. ALL DIMENSIONS GIVEN TO EXISTING BUILDING ELEMENTS ARE PLUS OR MINUS. VERIFY ALL SUCH DIMENSIONS IN FIELD.

WALL / PARTITION KEYNOTES

1. INTERIOR MASONRY WALL: WITH HORIZONTAL JOINT REINFORCING 16"O.C. (SEE PLAN FOR THICKNESS) EXTEND TO FLOOR/DECK. TERMINATE, SEAL AND BRACE WALL AS DESCRIBED IN SPECIFICATION SECTION 04810. REFER TO ROOM FINISH SCHEDULE FOR MASONRY TYPE.
1A. INTERIOR MASONRY WALL: SAME AS 1, EXCEPT EXTEND 4" MINIMUM ABOVE HIGHEST ADJACENT CEILING (BRACE AS REQUIRED).
1B. MASONRY INFILL WALL: SAME AS 1, FIELD VERIFY HEIGHT AND WIDTH OF OPENING TO BE FILLED. TOOTH-IN MASONRY, MATCHING EXISTING COURSING, WHEN EXPOSED AS FINAL FINISH. SEE WALL SECTIONS AND BUILDING SECTIONS FOR ADDITIONAL INFORMATION.
1R. FIRE RATED INTERIOR MASONRY WALL: SAME AS WALL TYPE 1, EXCEPT PROVIDE FIRE RATED TERMINATION AT FLOOR/ROOF DECK. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-D-0080). SEE DETAILS 2/A4.4, 3/A4.4 & 4/A4.4 FOR JOINT SYSTEMS.
2. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, BOTH SIDES OF 3 5/8" METAL STUDS AT 16"O.C., (UNLESS DIMENSIONED OTHERWISE) EXTEND TO DECK.
2A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 2 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.
2R. FIRE RATED, VENEER PLASTER/GYPSUM BASE PARTITION: SAME AS 2 EXCEPT PROVIDE TYPE "X" GYPSUM BASE (U.L. DESIGN NO. U465 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
2S. FIRE RATED, VENEER PLASTER/GYPSUM BASE SHAFTWALL PARTITION: 1" GYPSUM BOARD LINER PANELS INSERTED IN 4" C-H STUDS @ 24" O.C. w/ 1 LAYER OF 5/8" GYPSUM BASE ON FINISH SIDE w/ TWO-COAT VENEER PLASTER (U.L. DESIGN NO. U469 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
3. VENEER PLASTER/GYPSUM BASE - FURRED: TWO-COAT VENEER PLASTER (3/32" THICK) OVER 5/8" GYPSUM BASE, ON 1 1/2" METAL FURRING @ 16"O.C., EXTEND 4" MINIMUM ABOVE FINISH CEILING.
4. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, ONE SIDE OF 3 5/8" METAL STUDS @16" O.C., EXTEND 4" ABOVE CEILING LINE AND BRACE STUDS AS REQUIRED (EXTEND TO DECK AT EXPOSED CONSTRUCTION). OMIT VENEER PLASTER AT MIRRORED WALLS, TYP.
4A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 4 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.

WALL / PARTITION LEGEND & NOTES

- CONCRETE MASONRY UNITS (C.M.U.)
- CONCRETE MASONRY UNIT TOP FILL ON EXISTING MASONRY WALL. MATCH EXISTING WALL THICKNESS & EXTEND TO DECK (ASSUME TOP OF EXISTING WALL @ 8'-0" A.F.F.)
- VENEER PLASTER (OVER GYPSUM BASE) PARTITION
- EXISTING WALL / PARTITION

A. ALL C.M.U. IS 8" THICK NOMINAL, UNLESS OTHERWISE NOTED.

B. WHERE WALLS AND/OR PARTITIONS TERMINATE AT THE UNDERSIDE OF STRUCTURAL MEMBERS (I.E. BEAMS, JOISTS, ETC.), CONTINUE EACH SIDE OF SAID MEMBER WITH GYPSUM BOARD CONSTRUCTION EQUAL TO THE FIRE RATING AND/OR ACOUSTICAL VALUE (S.T.C.).

C. REFER TO REFLECTED CEILING PLANS FOR RATED WALL DESIGNATIONS.

D. HEAD OF WALL TERMINATION DETAILS, NOTED ABOVE, ARE GENERIC. REFER TO SPECIFIC DETAILS FOR MODIFICATIONS DUE TO FIELD CONDITIONS (i.e. BEAM OBSTRUCTIONS)

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. COORDINATE PHASING AND SEQUENCING OF PATCHING WORK WITH CONSTRUCTION MANAGER.
3. 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.
4. 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 ARCHITECT.
5. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
6. 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.
7. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

ROOM NUMBERING KEY

ROOM NAME & OWNER ASSIGNED ROOM NUMBER — ROOM NAME 111 A100 — REFERENCE NUMBER FOR SCHEDULING PURPOSES ONLY

	SHEET:	OF:
I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:	
	APP'D BY:	
	DATE:	
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE:	AS NOTED
	DWG NO:	B-151-76
	CARD NO:	CP03111

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

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Floor Plan - Zone 'A'

KEY PLAN
NO SCALE

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9-08-06	AS-BUILT
2-21-05	FIELD ORDER NO. 8
9-08-04	BULLETIN NO. 3
6-17-04	BULLETIN NO. 1
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE:	ISSUED FOR:
DRAWN	MWE
CHECKED	RJF
APPROVED	TAC

PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A1.1A

September 10, 2004

I.M. West Addition
Michigan State University
TMP Project No. 03118

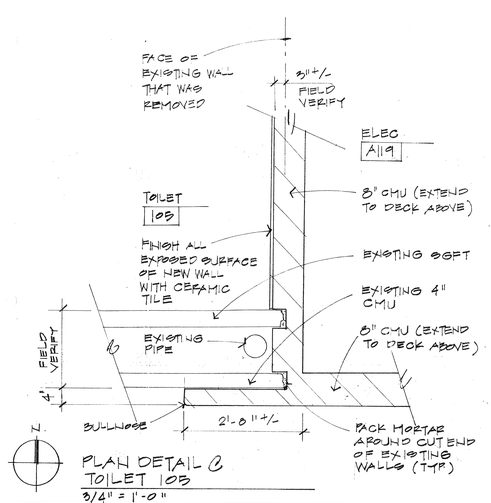
TMP Reply to Barton Malow / Clark RFI No. 0018:

1. Provide new 8-inch CMU wall between Women's' Toilet 105 and Electrical A119. Extend wall tight to underside of deck construction above. Enclose cut end of existing chase wall at southeast corner of Toilet Room 105 as indicated on attached sketch.
2. Provide ceramic tile finish (floor to ceiling) on new wall construction at Women's Toilet 105. Ceramic tile will be American Olean, 4-1/4" x 4-1/4", #95 Snow Mist.
3. Remove and reinstall toilet stall grab bars and other miscellaneous equipment as required by new construction.
4. Replacement wall is required by demolition contractor's error. Additional costs for replacement construction will not be borne by the Owner.

If you have further questions, please feel free to call.

Robert J. Farley, RA, CCS
Senior Associate / Construction Services

TMP Associates, Inc.



PLAN DETAIL @ TOILET 105
3/4" = 1'-0"

note: this drawing or partial drawing references the following sheet or detail: A1.1A	issued for: RFI NO. 18
project title: I.M. WEST - MICH. STATE UNIV.	project no. 03118
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	date 9.10.04 drawn RFK
	drawing no. RFI 18-1

September 10, 2004

I.M. West Addition
Michigan State University
TMP Project No. 03118

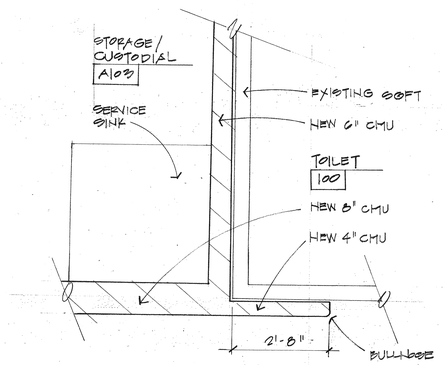
TMP Reply to Barton Malow / Clark RFI No. 0021:

1. Provide 6-inch CMU wall at east side of Storage/Custodial A103 to conceal unfinished side of existing SGFT partition, and to conceal new plumbing vent stack, per attached sketch.
2. Also note detail for new 8-inch CMU wall at south side of Storage/Custodial A103 to replace existing unstable wall removed during demolition.
3. Please submit itemized quotations for this additional work, for review and future Change Order.

If you have further questions, please feel free to call.

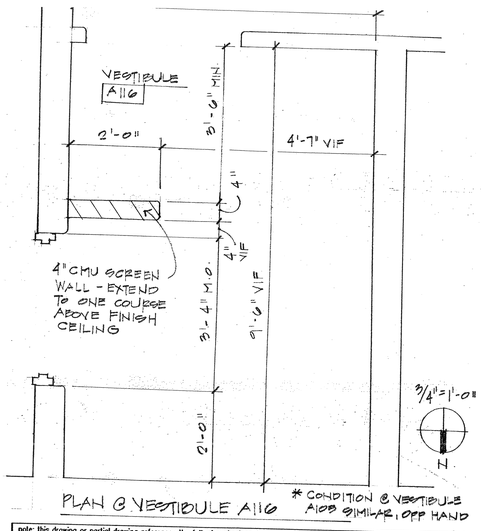
Robert J. Farley, RA, CCS
Senior Associate / Construction Services

TMP Associates, Inc.



PLAN DETAIL @ MEN'S TOILET 100
3/4" = 1'-0"

note: this drawing or partial drawing references the following sheet or detail: A1.1A	issued for: RFI NO. 21
project title: I.M. WEST - MICH. STATE UNIV.	project no. 03118
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	date 9.10.04 drawn RFK
	drawing no. RFI 21 - 1



PLAN @ VESTIBULE A116

* CONDITION @ VESTIBULE A108 SIMILAR, OPP HAND

note: this drawing or partial drawing references the following sheet or detail: A1.1A	issued for: FIELDORDER #8
project title: MSU - I.M. WEST ADDITION # 1	project no. CP03111
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	date 2.21.05 drawn RF
	drawing no. F08-A1

ITEM NO. 22: Refer to Drawing A1.1A (re-issued):

81

A. Delete work associated with Men's B.F. Toilet A102 and Women's B.F. Toilet A120 (Alternate No. 1).

B. Delete metal screening partitions and north exit doors of Ex. Locker Rms. A106 and A115.

C. Delete door nos. A106A, A107, A114 and A115A.

D. Delete terrazzo tile and mudset at existing trench drains as indicated.

E. Extend terrazzo tile along west wall of Ex. Locker Rm. A106 and east wall of Ex. Locker Rm. A115 as indicated.

F. Revise column enclosures as indicated.

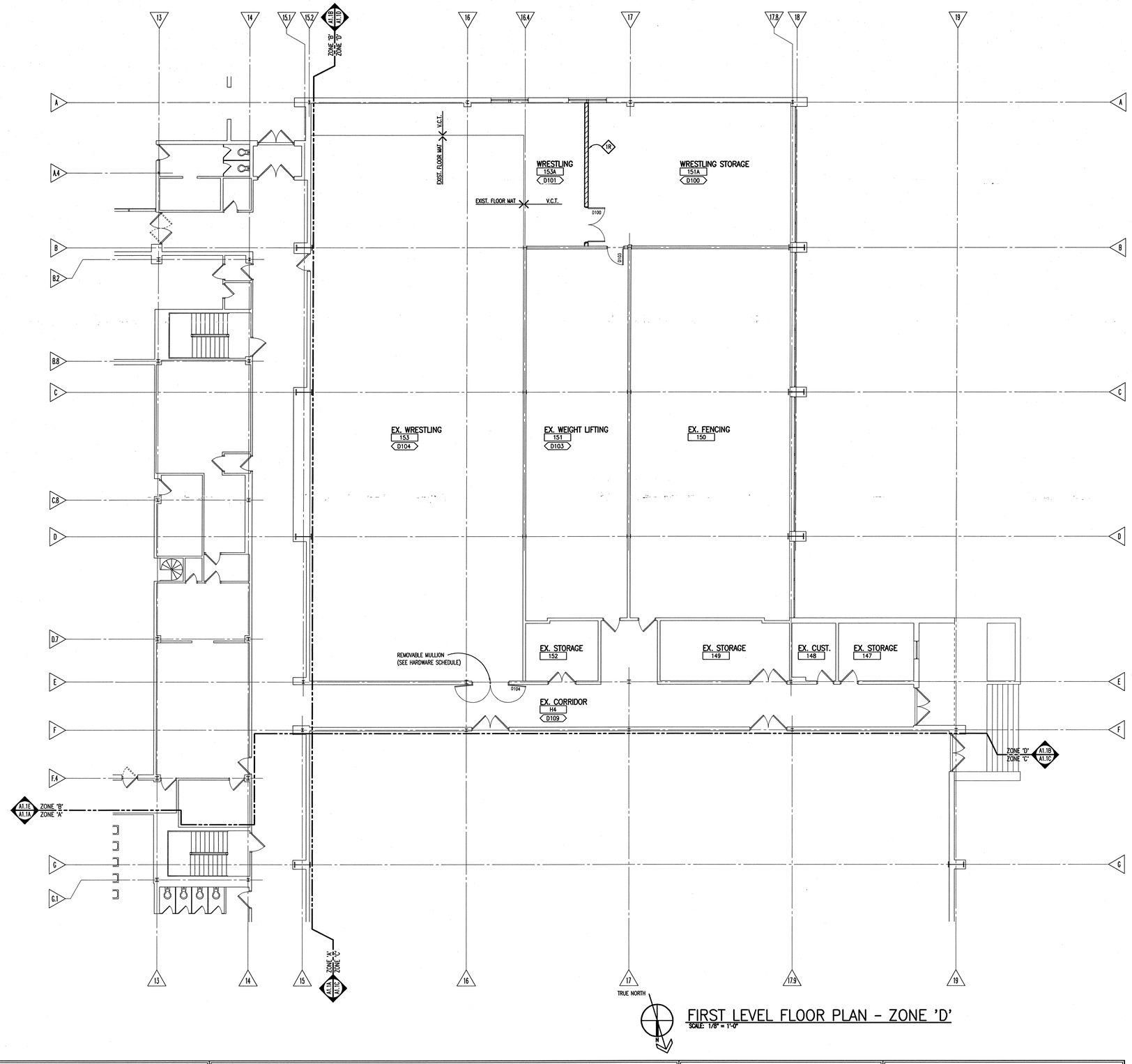
G. Revise wall type designation at Storage A110 as indicated.

H. Revise multicolor coating to regular paint around Storage A110 as indicated.

I. Revise triple tier lockers to metal in lieu of plastic at Lobby/Vending A125 and A129.

SHEET: 21A OF: 108

I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY — PHYSICAL PLANT DIVISION — ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111



FIRST LEVEL FLOOR PLAN - ZONE 'D'

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

GENERAL NOTES

1. REFER TO ROOM NO. A217 (ON A1.2A) & ROOM NO. A122 (SEE 2/A6.1) FOR CASEWORK.
2. VERIFY ALL DIMENSIONS IN FIELD.
3. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (i.e. GRAB BARS, TOWEL DISPENSERS, WALL STOPS, ETC.). REFER ALSO TO A9. SERIES AND A6. SERIES DRAWINGS.
4. APPLY CONTINUOUS SEALANT TO JOINTS BETWEEN DISSIMILAR MATERIALS.
5. FIELD VERIFY EXTENT AND LOCATIONS OF EXISTING SERVICES TO REMAIN OR TO BE MODIFIED.
6. ABOVE CEILING LINES, FRAME PARTITION CONSTRUCTION AROUND EXISTING PIPING, CONDUIT, DUCTWORK AND OTHER MISCELLANEOUS ITEMS TO REMAIN. SEAL AROUND ALL EXISTING CONSTRUCTION AS REQUIRED TO ACHIEVE AN ACOUSTICAL AND/OR FIRE SEPARATION.
7. REFER TO DRAWING LS.1, LS.2 & LS.3 FOR EXTENT OF REQUIRED FIRE SEPARATION WALLS. IDENTIFY, THEN PLUG, PATCH AND FILL-IN ANY VOIDS IN EXISTING WALLS TO REMAIN, IN BOTH EXPOSED AND CONCEALED AREAS, WITH MATERIALS COMPLYING WITH CUTTING AND PATCHING SPECIFICATIONS, SO AS TO ACHIEVE THE REQUIRED FIRE RESISTANCE RATING.
8. ALL DIMENSIONS GIVEN TO EXISTING BUILDING ELEMENTS ARE PLUS OR MINUS. VERIFY ALL SUCH DIMENSIONS IN FIELD.

WALL / PARTITION KEYNOTES

1. INTERIOR MASONRY WALL: WITH HORIZONTAL JOINT REINFORCING 16"O.C. (SEE PLAN FOR THICKNESS) EXTEND TO FLOOR/DECK. TERMINATE, SEAL AND BRACE WALL AS DESCRIBED IN SPECIFICATION SECTION 04810. REFER TO ROOM FINISH SCHEDULE FOR MASONRY TYPE.
1A. INTERIOR MASONRY WALL: SAME AS 1, EXCEPT EXTEND 4" MINIMUM ABOVE HIGHEST ADJACENT CEILING (BRACE AS REQUIRED).
1B. MASONRY INFILL WALL: SAME AS 1, FIELD VERIFY HEIGHT AND WIDTH OF OPENING TO BE FILLED. TOOTH-IN MASONRY, MATCHING EXISTING COURSING, WHEN EXPOSED AS FINAL FINISH. SEE WALL SECTIONS AND BUILDING SECTIONS FOR ADDITIONAL INFORMATION.
1R. FIRE RATED INTERIOR MASONRY WALL: SAME AS WALL TYPE 1, EXCEPT PROVIDE FIRE RATED TERMINATION AT FLOOR/ROOF DECK. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-D-0080). SEE DETAILS 2/M4.4, 3/M4.4 & 4/M4.4 FOR JOINT SYSTEMS.
2. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, BOTH SIDES OF 3 5/8" METAL STUDS AT 16"O.C., (UNLESS DIMENSIONED OTHERWISE) EXTEND TO DECK.
2A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 2 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.
2R. FIRE RATED, VENEER PLASTER/GYPSUM BASE PARTITION: SAME AS 2 EXCEPT PROVIDE TYPE 'X' GYPSUM BASE (U.L. DESIGN NO. U465 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
2S. FIRE RATED, VENEER PLASTER/GYPSUM BASE SHAFTWALL PARTITION: 1" GYPSUM BOARD LINER PANELS INSERTED IN 4" C-H STUDS @ 24" O.C. w/ 1 LAYER OF 5/8" GYPSUM BASE ON FINISH SIDE w/ TWO-COAT VENEER PLASTER (U.L. DESIGN NO. U469 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
3. VENEER PLASTER/GYPSUM BASE - FURRED: TWO-COAT VENEER PLASTER (3/32" THICK) OVER 5/8" GYPSUM BASE, ON 1 1/2" METAL FURRING @ 16"O.C., EXTEND 4" MINIMUM ABOVE FINISH CEILING.
4. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, ONE SIDE OF 3 5/8" METAL STUDS @16" O.C., EXTEND 4" ABOVE CEILING LINE AND BRACE STUDS AS REQUIRED (EXTEND TO DECK AT EXPOSED CONSTRUCTION). OMIT VENEER PLASTER AT MIRRORED WALLS, TYP.
4A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 4 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.

WALL / PARTITION LEGEND & NOTES

- CONCRETE MASONRY UNITS (C.M.U.)
- CONCRETE MASONRY UNIT TOP FILL ON EXISTING MASONRY WALL, MATCH EXISTING WALL THICKNESS & EXTEND TO DECK (ASSUME TOP OF EXISTING WALL @ 8'-0" A.F.F.)
- VENEER PLASTER (OVER GYPSUM BASE) PARTITION
- EXISTING WALL / PARTITION

A. ALL C.M.U. IS 8" THICK NOMINAL, UNLESS OTHERWISE NOTED.

B. WHERE WALLS AND/OR PARTITIONS TERMINATE AT THE UNDERSIDE OF STRUCTURAL MEMBERS (I.E. BEAMS, JOISTS, ETC.), CONTINUE EACH SIDE OF SAID MEMBER WITH GYPSUM BOARD CONSTRUCTION EQUAL TO THE FIRE RATING AND/OR ACOUSTICAL VALUE (S.T.C.).

C. REFER TO REFLECTED CEILING PLANS FOR RATED WALL DESIGNATIONS.

D. HEAD OF WALL TERMINATION DETAILS, NOTED ABOVE, ARE GENERIC. REFER TO SPECIFIC DETAILS FOR MODIFICATIONS DUE TO FIELD CONDITIONS (i.e. BEAM OBSTRUCTIONS)

PATCHING NOTES

1. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2. COORDINATE PHASING AND SEQUENCING OF PATCHING WORK WITH CONSTRUCTION MANAGER.
3. 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.
4. 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 ARCHITECT.
5. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
6. 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.
7. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

ROOM NUMBERING KEY

ROOM NAME & OWNER ASSIGNED ROOM NUMBER — ROOM NAME 111 — A100 — REFERENCE NUMBER FOR SCHEDULING PURPOSES ONLY

SHEET: OF:

I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

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

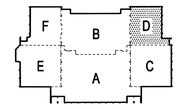
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Floor Plan - Zone 'D'



KEY PLAN
NO SCALE

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9-08-06	AS-BUILT
6-17-04	BULL. NO. 1 (REF. ONLY)
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW
DATE:	ISSUED FOR:
DRAWN	MWE
CHECKED	RJF
APPROVED	TAC

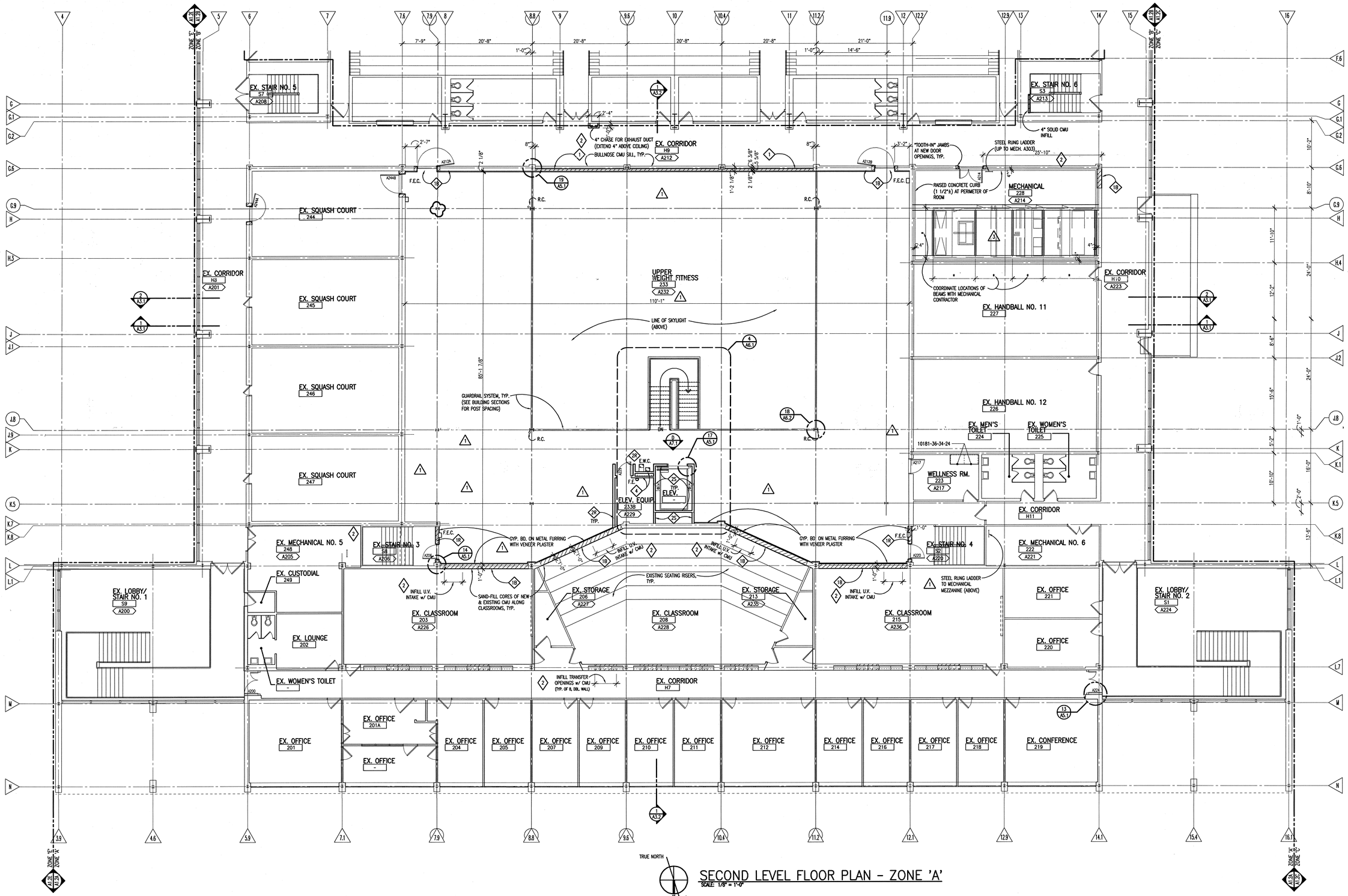
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A1.1D



TRUE NORTH

SECOND LEVEL FLOOR PLAN - ZONE 'A'

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

GENERAL NOTES

1. REFER TO ROOM NO. A217 (ON A1.2A) & ROOM NO. A122 (SEE 2/A6.1) FOR CASEWORK.
2. VERIFY ALL DIMENSIONS IN FIELD.
3. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (i.e. GRAB BARS, TOWEL DISPENSERS, WALL STOPS, ETC.). REFER ALSO TO A9. SERIES AND A6. SERIES DRAWINGS.
4. APPLY CONTINUOUS SEALANT TO JOINTS BETWEEN DISSIMILAR MATERIALS.
5. FIELD VERIFY EXTENT AND LOCATIONS OF EXISTING SERVICES TO REMAIN OR TO BE MODIFIED.
6. ABOVE CEILING LINES, FRAME PARTITION CONSTRUCTION AROUND EXISTING PIPING, CONDUIT, DUCTWORK AND OTHER MISCELLANEOUS ITEMS TO REMAIN. SEAL AROUND ALL EXISTING CONSTRUCTION AS REQUIRED TO ACHIEVE AN ACOUSTICAL AND/OR FIRE SEPARATION.
7. REFER TO DRAWING LS.1, LS.2 & LS.3 FOR EXTENT OF REQUIRED FIRE SEPARATION WALLS. IDENTIFY, THEN PLUG, PATCH AND FILL-IN ANY VOIDS IN EXISTING WALLS TO REMAIN, IN BOTH EXPOSED AND CONCEALED AREAS, WITH MATERIALS COMPLYING WITH CUTTING AND PATCHING SPECIFICATIONS, SO AS TO ACHIEVE THE REQUIRED FIRE RESISTANCE RATING.
8. ALL DIMENSIONS GIVEN TO EXISTING BUILDING ELEMENTS ARE PLUS OR MINUS. VERIFY ALL SUCH DIMENSIONS IN FIELD.

WALL / PARTITION KEYNOTES

1. INTERIOR MASONRY WALL: WITH HORIZONTAL JOINT REINFORCING 16"O.C. (SEE PLAN FOR THICKNESS) EXTEND TO FLOOR/DECK. TERMINATE, SEAL AND BRACE WALL AS DESCRIBED IN SPECIFICATION SECTION 04810. REFER TO ROOM FINISH SCHEDULE FOR MASONRY TYPE.
1A. INTERIOR MASONRY WALL: SAME AS 1, EXCEPT EXTEND 4" MINIMUM ABOVE HIGHEST ADJACENT CEILING (BRACE AS REQUIRED).
1B. MASONRY INFILL WALL: SAME AS 1 FIELD VERIFY HEIGHT AND WIDTH OF OPENING TO BE FILLED. TOOTH-IN MASONRY, MATCHING EXISTING COURSING, WHEN EXPOSED AS FINAL FINISH. SEE WALL SECTIONS AND BUILDING SECTIONS FOR ADDITIONAL INFORMATION.
1B. FIRE RATED INTERIOR MASONRY WALL: SAME AS WALL TYPE 1, EXCEPT PROVIDE FIRE RATED TERMINATION AT FLOOR/ROOF DECK. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-D-0080). SEE DETAILS 2/M4.4, 3/M4.4 & 4/M4.4 FOR JOINT SYSTEMS.
2. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, BOTH SIDES OF 3 5/8" METAL STUDS AT 16"O.C., (UNLESS DIMENSIONED OTHERWISE) EXTEND TO DECK.
2A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 2 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.
2B. FIRE RATED, VENEER PLASTER/GYPSUM BASE PARTITION: SAME AS 2 EXCEPT PROVIDE TYPE 'X' GYPSUM BASE (U.L. DESIGN NO. U465 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
2S. FIRE RATED, VENEER PLASTER/GYPSUM BASE SHAFTWALL PARTITION: 1" GYPSUM BOARD LINER PANELS INSERTED IN 4" C-H STUDS @ 24" O.C. w/ 1 LAYER OF 5/8" GYPSUM BASE ON FINISH SIDE w/ TWO-COAT VENEER PLASTER (U.L. DESIGN NO. U469 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
3. VENEER PLASTER/GYPSUM BASE - FURRED: TWO-COAT VENEER PLASTER (3/32" THICK) OVER 5/8" GYPSUM BASE, ON 1 1/2" METAL FURRING @ 16"O.C., EXTEND 4" MINIMUM ABOVE FINISH CEILING.
4. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, ONE SIDE OF 3 5/8" METAL STUDS @16" O.C., EXTEND 4" ABOVE CEILING LINE AND BRACE STUDS AS REQUIRED (EXTEND TO DECK AT EXPOSED CONSTRUCTION). OMIT VENEER PLASTER AT MIRRORED WALLS, TYP.
4A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 4 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.

WALL / PARTITION LEGEND & NOTES

- CONCRETE MASONRY UNITS (C.M.U.)
- CONCRETE MASONRY UNIT TOP FILL ON EXISTING MASONRY WALL, MATCH EXISTING WALL THICKNESS & EXTEND TO DECK (ASSUME TOP OF EXISTING WALL @ 8'-0" A.F.F.)
- VENEER PLASTER (OVER GYPSUM BASE) PARTITION
- EXISTING WALL / PARTITION

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B. WHERE WALLS AND/OR PARTITIONS TERMINATE AT THE UNDERSIDE OF STRUCTURAL MEMBERS (I.E. BEAMS, JOISTS, ETC.), CONTINUE EACH SIDE OF SAID MEMBER WITH GYPSUM BOARD CONSTRUCTION EQUAL TO THE FIRE RATING AND/OR ACOUSTICAL VALUE (S.T.C.).

C. REFER TO REFLECTED CEILING PLANS FOR RATED WALL DESIGNATIONS.

D. HEAD OF WALL TERMINATION DETAILS, NOTED ABOVE, ARE GENERIC. REFER TO SPECIFIC DETAILS FOR MODIFICATIONS DUE TO FIELD CONDITIONS (i.e. BEAM OBSTRUCTIONS)

PATCHING NOTES

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4. 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 ARCHITECT.
5. MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
6. 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.
7. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

ROOM NUMBERING KEY

ROOM NAME & OWNER ASSIGNED ROOM NUMBER — ROOM NAME 111 A100 — REFERENCE NUMBER FOR SCHEDULING PURPOSES ONLY

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
1191 WEST SQUARE LAKE ROAD · BOX 289
BLOOMFIELD HILLS · MICHIGAN · 48303
PH! · 248.338.4566 FX · 248.338.0223
EM · INFO @TMP-ARCHITECTURE.COM

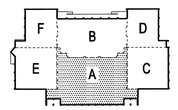
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Second Level Floor Plan - Zone 'A'



KEY PLAN
NO SCALE

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9-08-06	AS-BUILT
9-8-04	BULL. #3 (NOT REISSUED)
6-17-04	BULLETIN NO. 1
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW
DATE:	ISSUED FOR:
DRAWN	MWE
CHECKED	RJF
APPROVED	TAC

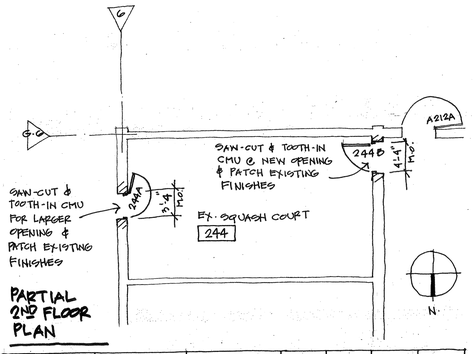
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A1.2A



PARTIAL 2ND FLOOR PLAN

OPENING		DOOR				FRAME				HEAD	SILL	U.L.	HARD.
NO.	SIZE	TYP.	MT.	GL.	FIN.	TYP.	MT.	GL.	FIN.	DETAIL	DETAIL	LABEL	
244A	3'-0"	B	HM	GL 1	PTD	1	HM	—	PTD	20/A9.2	6/A9.2		A
244B	4'-0"	D	HM	GL 2	PTD	1	HM	—	PTD	20/A9.2	6/A9.2	B	B

VERIFY OPENING HT. & COORDINATE WITH EXISTING MASONRY COURSING

note: this drawing or partial drawing references the following sheet or detail:
A1.2A

issued for:
C.M. ESTIMATE

project title
MSU - I.M. WEST COURTYARD ADDITION

project no.
03111

TMP ARCHITECTURE
TMP ASSOCIATES INC
1155 WEST SQUARE LAKE ROAD - BOX 289 - BLOOMFIELD HILLS - MICHIGAN - 48303
PH - 248.338.4565 FX - 248.338.0223 EM - INFO@TMP-ARCHITECTURE.COM

date: 2.24.05
drawn: RF
drawing no.

HARDWARE SETS FOR PROPOSED NEW DOORS AT EX. SQUASH COURT 244

HW SET: A (Door No. 244A):

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	ML2055	630	C-R
1	EA	WALL STOP	WS33X	626	IVE

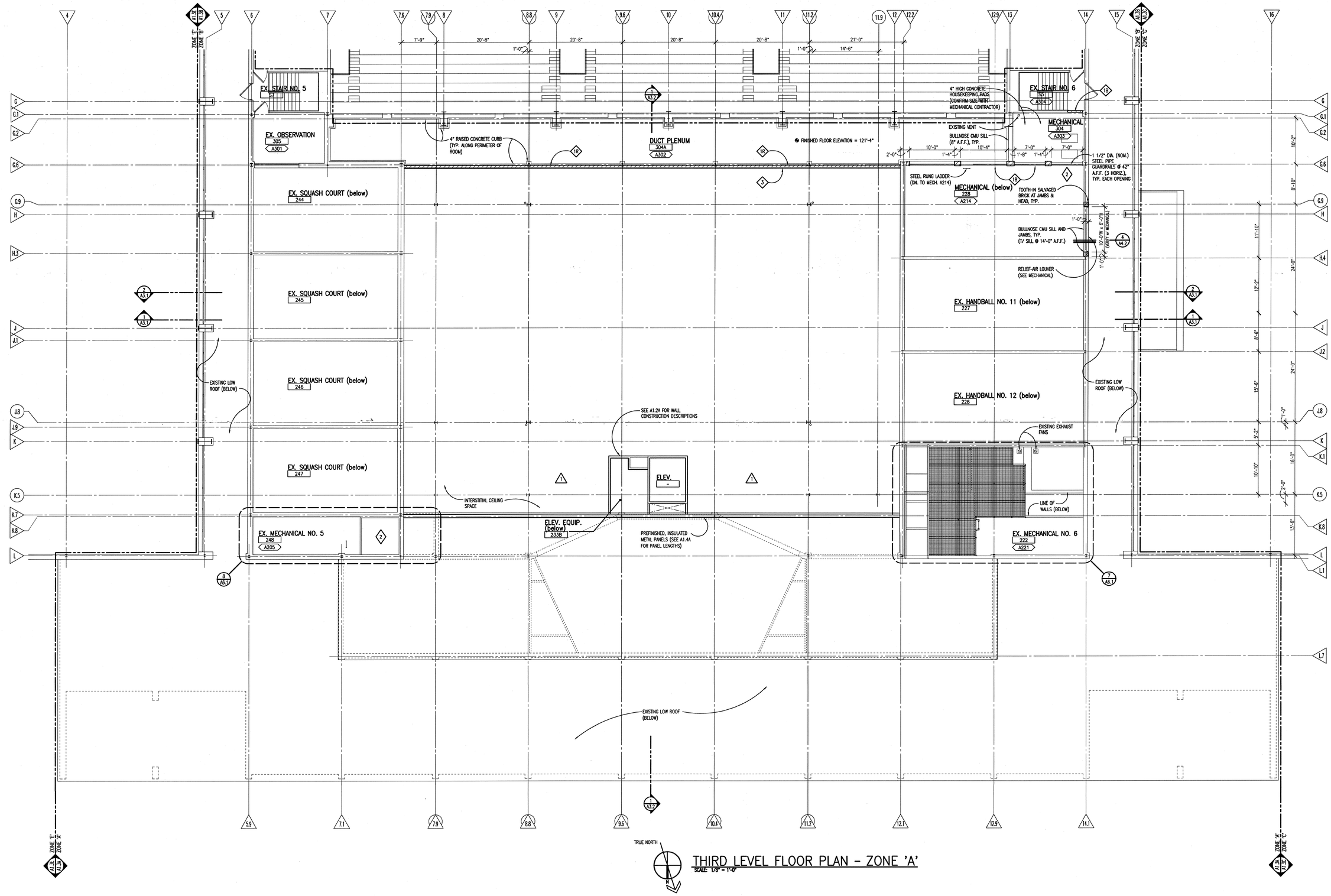
HW SET: B (Door No. 244B):

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	INSTITUTION LOCK	ML2032	630	C-R
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 34.5"	630	IVE
1	EA	WALL STOP	WS33X	626	IVE

I.M. WEST
ADDITION #1 (COURTYARD INFILL)

MICHIGAN STATE UNIVERSITY
PHYSICAL PLANT DIVISION
ENGINEERING & ARCHITECTURAL SERVICES

DRAWN BY:
APP'D BY:
DATE:
SCALE: AS NOTED
DWG NO: B-151-76
CARD NO: CP03111



THIRD LEVEL FLOOR PLAN - ZONE 'A'

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

GENERAL NOTES

1. REFER TO ROOM NO. A217 (ON A1.2A) & ROOM NO. A122 (SEE 2/A6.1) FOR CASEWORK.
2. VERIFY ALL DIMENSIONS IN FIELD.
3. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (i.e. GRAB BARS, TOWEL DISPENSERS, WALL STOPS, ETC.). REFER ALSO TO A9. SERIES AND A6. SERIES DRAWINGS.
4. APPLY CONTINUOUS SEALANT TO JOINTS BETWEEN DISSIMILAR MATERIALS.
5. FIELD VERIFY EXTENT AND LOCATIONS OF EXISTING SERVICES TO REMAIN OR TO BE MODIFIED.
6. ABOVE CEILING LINES, FRAME PARTITION CONSTRUCTION AROUND EXISTING PIPING, CONDUIT, DUCTWORK AND OTHER MISCELLANEOUS ITEMS TO REMAIN. SEAL AROUND ALL EXISTING CONSTRUCTION AS REQUIRED TO ACHIEVE AN ACOUSTICAL AND/OR FIRE SEPARATION.
7. REFER TO DRAWING LS.1, LS.2 & LS.3 FOR EXTENT OF REQUIRED FIRE SEPARATION WALLS. IDENTIFY, THEN PLUG, PATCH AND FILL-IN ANY VOIDS IN EXISTING WALLS TO REMAIN, IN BOTH EXPOSED AND CONCEALED AREAS, WITH MATERIALS COMPLYING WITH CUTTING AND PATCHING SPECIFICATIONS, SO AS TO ACHIEVE THE REQUIRED FIRE RESISTANCE RATING.
8. ALL DIMENSIONS GIVEN TO EXISTING BUILDING ELEMENTS ARE PLUS OR MINUS. VERIFY ALL SUCH DIMENSIONS IN FIELD.

WALL / PARTITION KEYNOTES

1. INTERIOR MASONRY WALL: WITH HORIZONTAL JOINT REINFORCING 16"O.C. (SEE PLAN FOR THICKNESS) EXTEND TO FLOOR/DECK. TERMINATE, SEAL AND BRACE WALL AS DESCRIBED IN SPECIFICATION SECTION 04810. REFER TO ROOM FINISH SCHEDULE FOR MASONRY TYPE.
1A. INTERIOR MASONRY WALL: SAME AS 1, EXCEPT EXTEND 4" MINIMUM ABOVE HIGHEST ADJACENT CEILING (BRACE AS REQUIRED).
1B. MASONRY INFILL WALL: SAME AS 1, FIELD VERIFY HEIGHT AND WIDTH OF OPENING TO BE FILLED. TOOTH-IN MASONRY, MATCHING EXISTING COURSING, WHEN EXPOSED AS FINAL FINISH. SEE WALL SECTIONS AND BUILDING SECTIONS FOR ADDITIONAL INFORMATION.
1R. FIRE RATED INTERIOR MASONRY WALL: SAME AS WALL TYPE 1, EXCEPT PROVIDE FIRE RATED TERMINATION AT FLOOR/ROOF DECK. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-D-0080). SEE DETAILS 2/A4.4, 3/A4.4 & 4/A4.4 FOR JOINT SYSTEMS.
2. VENEER PLASTER/GYPSUM BASE PARTITION: TWO-COAT VENEER PLASTER SYSTEM (3/32" THICK) OVER 5/8" GYPSUM BASE, BOTH SIDES OF 3 5/8" METAL STUDS AT 16"O.C., (UNLESS DIMENSIONED OTHERWISE) EXTEND TO DECK.
2A. VENEER PLASTER/GYPSUM BASE ACOUSTIC PARTITION: SAME AS 2 EXCEPT PROVIDE 3" OF ACOUSTIC INSULATION (STC 55, MIN.). SEAL ALL PENETRATIONS.
2R. FIRE RATED, VENEER PLASTER/GYPSUM BASE PARTITION: SAME AS 2 EXCEPT PROVIDE TYPE "X" GYPSUM BASE (U.L. DESIGN NO. U465 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
2S. FIRE RATED, VENEER PLASTER/GYPSUM BASE SHAFTWALL PARTITION: 1" GYPSUM BOARD LINER PANELS INSERTED IN 4" C-H STUDS @ 24" O.C. w/ 1 LAYER OF 5/8" GYPSUM BASE ON FINISH SIDE w/ TWO-COAT VENEER PLASTER (U.L. DESIGN NO. U469 - 1 HOUR) & 3" OF ACOUSTIC INSULATION. TERMINATE AT DECK w/ FIRE RATED JOINT SYSTEM (U.L. DESIGN NO. HW-S-0012).
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- EXISTING WALL / PARTITION

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7. TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

ROOM NUMBERING KEY

ROOM NAME & OWNER ASSIGNED ROOM NUMBER — ROOM NAME 111 — A100 — REFERENCE NUMBER FOR SCHEDULING PURPOSES ONLY

I.M. WEST ADDITION #1 (COURTYARD INFILL)	SHEET: OF:
	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY PHYSICAL PLANT DIVISION ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111

TMP ARCHITECTURE

TMP ASSOCIATES INC
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BLOOMFIELD HILLS - MICHIGAN - 48303
PH - 248.338.4561 FX - 248.338.0223
EM - INFO @TMP-ARCHITECTURE.COM

PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Third Level Floor Plan - Zone 'A'

KEY PLAN
NO SCALE

9-08-06	AS-BUILT
9-23-04	FIELD ORDER NO. 5 (NR)
6-17-04	BULLETIN NO. 1
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE: ISSUED FOR:

DRAWN MWE

CHECKED RJF

APPROVED TAC

PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A1.3A

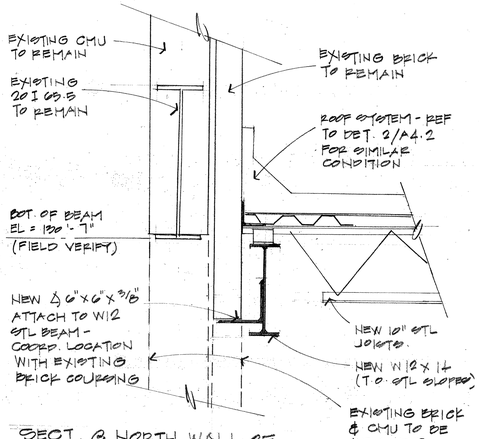
November 29, 2004

I.M. West Addition
Michigan State University
TMP Project No. 03118

TMP Reply to Barton Malow / Clark RFI No. 0068:

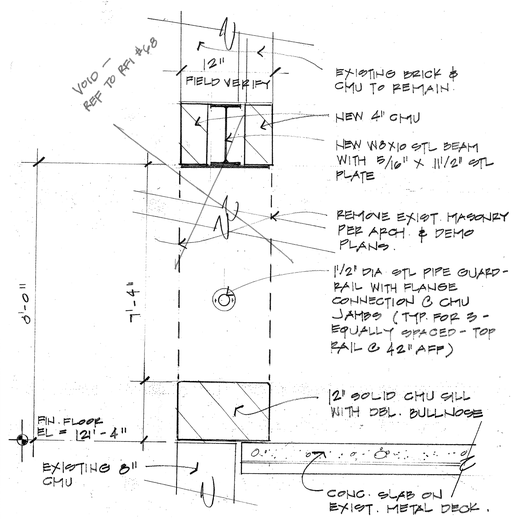
1. The two (2) 7'-0" wide masonry openings at the north wall of Mechanical A303 will extend up to the underside of existing structure. Therefore, new steel lintels at these two openings may be deleted. Masonry pier (with bullnose corners), sills and steel pipe guardrails will remain as originally detailed.

2. The 10'-0" wide and 10'-4" wide masonry openings at the north wall of Duct Plenum A302 will also extend up to the underside of existing structure. Existing CMU will remain bearing on the existing steel beam at these openings. To provide bearing for the existing face brick (formally supported at the roof/floor structure) furnish and install a 6" x 6" x 3/8" steel angle lintel as indicated on attached sketch. Lintel angle shall connect to the new W12x14 steel roof beam. Field verify elevation of angle to correspond with existing brick masonry coursing. Masonry piers (with bullnose corners), sills and steel pipe guardrails will remain as originally detailed.



SECT. @ NORTH WALL OF DUCT PLENUM A202
1 1/2" = 1'-0"

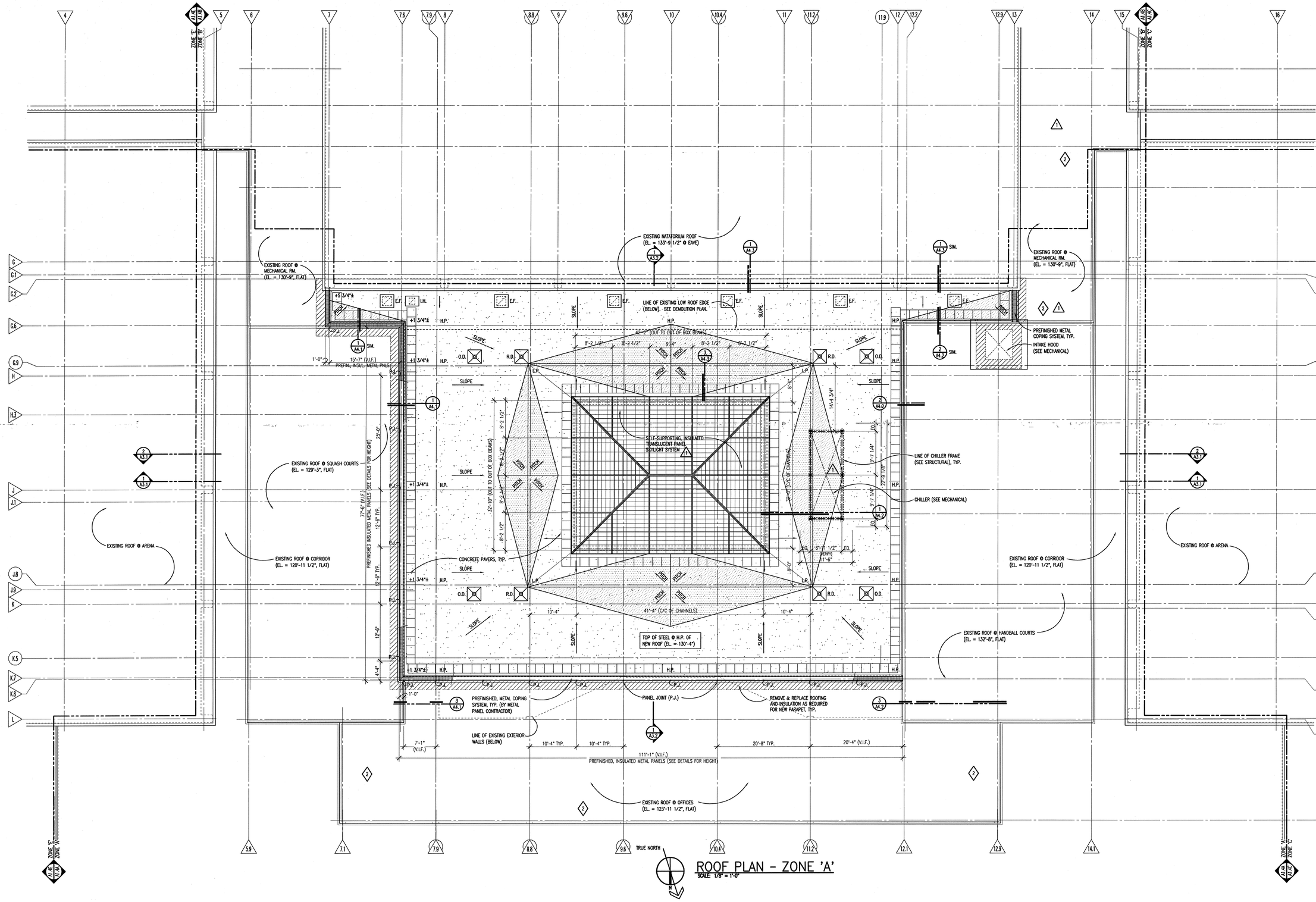
note: this drawing or partial drawing references the following sheet or detail:	issued for: RFI No. 0068
project title: I.M. WEST ADDITION - M.S.U.	project no. 03118
TMP ARCHITECTURE — TMP ASSOCIATES INC, 1191 WEST SQUARE LAKE ROAD - BOX 289 - BLOOMFIELD HILLS - MICHIGAN - 48303, PH - 248.338.4561 FX - 248.338.0223 EM - INFO@TMP-ARCHITECTURE.COM	date 11.29.04 / drawn RF
	drawing no. RFI 68-1



note: this drawing or partial drawing references the following sheet or detail: SECT. @ S. WALL OF MECH A214	issued for: RFI No. 011
project title: I.M. WEST ADDITION - M.S.U.	project no. 03118
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	date 8.6.04 / drawn RF
	drawing no. RFI 11-1

SHEET: 24A OF: 108

I.M. WEST ADDITION #1 (COURTYARD INFILL)	DRAWN BY:
	APP'D BY:
	DATE:
MICHIGAN STATE UNIVERSITY — PHYSICAL PLANT DIVISION — ENGINEERING & ARCHITECTURAL SERVICES	SCALE: AS NOTED
	DWG NO: B-151-76
	CARD NO: CP03111



ROOF PLAN - ZONE 'A'

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

LEGEND

R.D./O.D.	ROOF DRAIN OR OVERFLOW DRAIN	C.U.	CONDENSING UNIT AND SUPPORTS IN NEW ROOF AREA. (NOT USED)
E.F./R.V.	EXHAUST FAN OR RELIEF VENT IN NEW ROOF AREA	C.U.	CONDENSING UNIT AND SUPPORTS IN EXISTING ROOF AREA. SEE GENERAL NOTE 3. (NOT USED)
E.F./R.V./ F.A.I.	EXHAUST FAN, RELIEF VENT OR FRESH AIR INTAKE IN EXISTING ROOF AREA. SEE GENERAL NOTE 3.		INDICATES PITCH OF ROOF SURFACE TOWARD DRAINS
R.T.U.	ROOFTOP MECHANICAL UNIT IN NEW ROOF AREA. (NOT USED)		TAPERED INSULATION SADDLES.
R.T.U.	ROOFTOP MECHANICAL UNIT IN/ON EXISTING ROOF AREA. SEE GENERAL NOTE 3		INSULATED ROOF MEMBRANE ASSEMBLY (I.R.M.A.) ON UNIFORM THICKNESS INSULATION ON SLOPED METAL DECK.

GENERAL NOTES

1. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF PLUMBING VENTS, FLASH PER ROOF MANUFACTURER'S RECOMMENDATIONS.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS, IF ANY, IN NEW AND/OR EXISTING ROOFS.
3. INSTALL SUPPLEMENTAL STEEL FRAMING UNDER DECK PRIOR TO CUTTING HOLE IN DECK. REPAIR ROOFING AND INSULATION TO 2'-0" (MIN.) AROUND OPENING.
4. WHERE WOOD NAILERS ARE SHOWN IN PLANE OF ROOF INSULATION, CUT NAILERS AS REQUIRED TO MATCH INSULATION THICKNESS.
5. SEAL ALL PIPE AND CONDUIT PENETRATIONS THROUGH NEW OR EXISTING ROOFS PER ROOF MANUFACTURER'S RECOMMENDATIONS.

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TMP ARCHITECTURE

TMP ASSOCIATES INC
1191 WEST SQUARE LAKE ROAD · BOX 289
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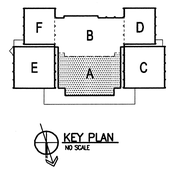
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

Roof Plan - Zone 'A'



KEY PLAN
NO SCALE

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9-08-06	AS-BUILT
6-17-04	BULLETIN NO. 1
3-26-04	ADDENDUM NO. 2
2-18-04	BIDS
1-28-04	FINAL REVIEW
1-5-04	OWNER REVIEW
11-19-03	D.D. REVIEW

DATE:	ISSUED FOR:
DRAWN	MWE
CHECKED	RJF
APPROVED	TAC

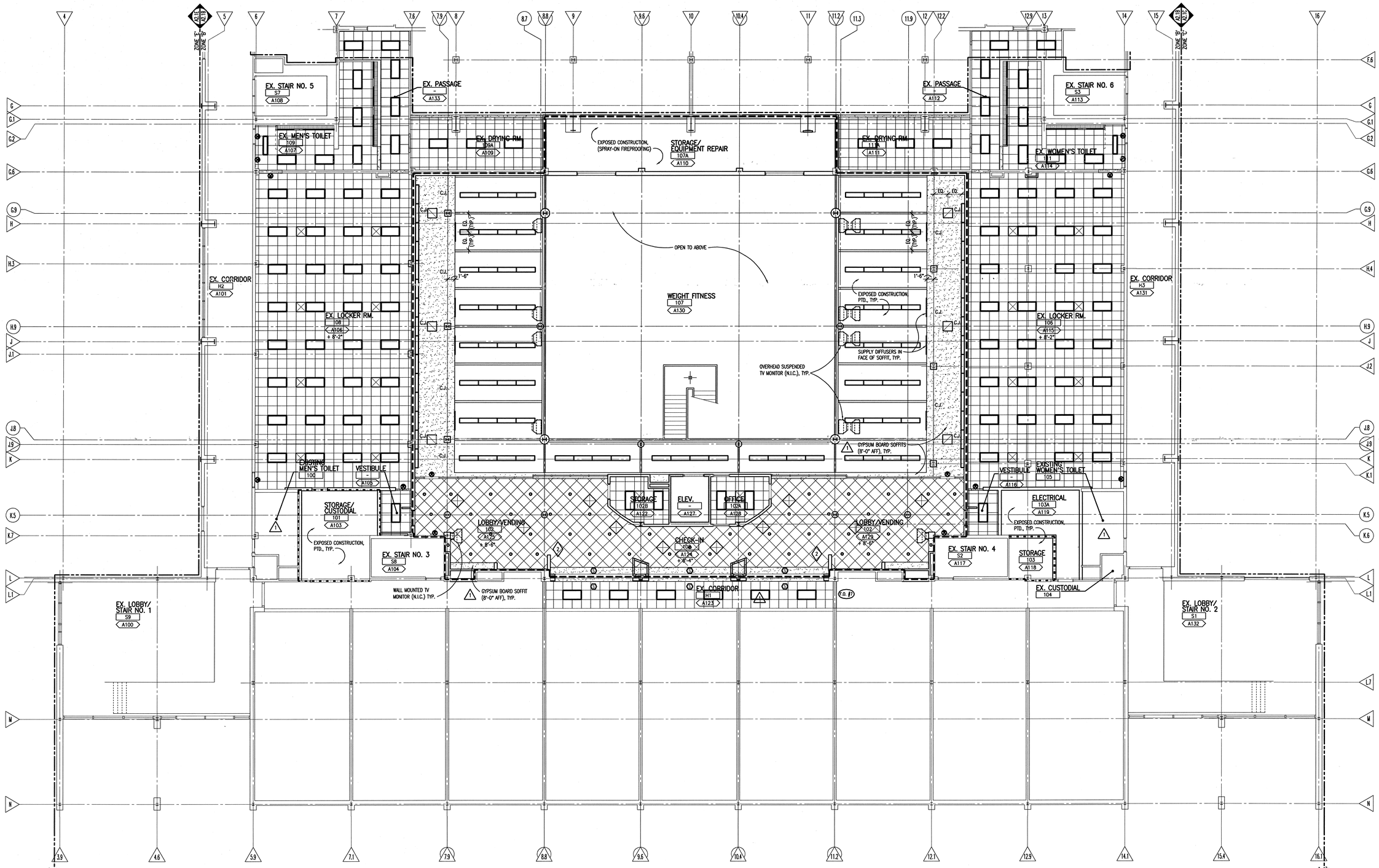
PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A1.4A



TRUE NORTH

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'A'

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

GENERAL NOTES

1. ALL GYPSUM BOARD FASCIAS @ SOFFITS, ADJACENT LAY-IN CEILINGS, SHALL EXTEND 4"MINIMUM ABOVE LAY-IN CEILINGS.
2. ALL GYPSUM BOARD FACIAS @ SOFFITS, ADJACENT EXPOSED CONSTRUCTION, SHALL EXTEND TO UNDERSIDE OF DECK.
3. PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (i.e. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.)
4. ELEVATIONS TO SOFFITS/CEILINGS ARE NOMINAL. ACTUAL ELEVATIONS ARE 3/8" HIGHER THAN THAT INDICATED (ALIGN WITH TOP OF MORTAR BED JOINTS, TYP.).

FIXTURE LEGEND

- RECESSED, FLUORESCENT TROFFER (2' x 4' & 1' x 4')
- FLUORESCENT COVE LIGHTING
- FLUORESCENT INDUSTRIAL FIXTURE (SEE ELECTRICAL FOR TYPE)
- SURFACE MOUNTED FLUORESCENT FIXTURE
- PENDANT MOUNTED FLUORESCENT FIXTURE (12'-0" A.F.F.)
- RECESSED, FLUORESCENT DOWNLIGHT
- H.I.D. DOWNLIGHT (SEE ELECTRICAL FOR MOUNTING TYPE)
- EXIT SIGN / LIGHT
- SMOKE DETECTOR
- EXHAUST/RETURN GRILLE
- SUPPLY DIFFUSER
- RETURN-AIR GRILLE
- PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
- SIDEWALL SPRINKLER HEAD

CEILING LEGEND

- 2' x 2' ACOUSTIC PANEL CEILING SYSTEM (SEE REFLECTED CEILING PLANS FOR HEIGHT)
- ALL GRIDS ARE CENTERED AND/OR SYMMETRICAL WITHIN ROOMS (U.O.N.)
- GYPSUM BOARD (G.B.), SEE PLANS FOR HEIGHT
- 2' x 2' LAY-IN CEILING SYSTEM (AT 45° ANGLE)

RATED WALL KEY

- 1 HOUR FIRE RATED WALL/PARTITION FOR HAZARDOUS SPACES
- 1 HOUR FIRE RATED WALL/PARTITION FOR SHAFT ENCLOSURE
- 2 HOUR FIRE RATED WALL/PARTITION

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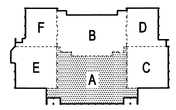
PROJECT TITLE

I.M. West Addition #1, Courtyard Infill

Michigan State University

SHEET TITLE

First Level Reflected Ceiling Plan - Zone 'A'



KEY PLAN
NO SCALE

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9-08-05	AS-BUILT
2-21-05	FIELD ORDER NO. 7
6-17-04	BULLETIN NO. 1
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11-19-03	D.D. REVIEW
DATE:	ISSUED FOR:
DRAWN	MRS, MWE
CHECKED	RJF
APPROVED	DWL

PROJECT NO.

CP03111

TMP PROJECT NO. 03118

SHEET NO.

A2.1A