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Architecture
Planning

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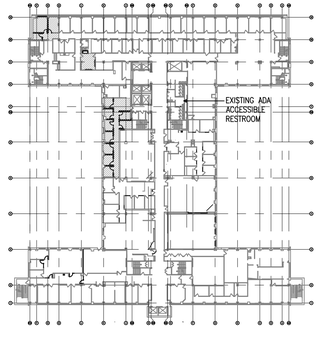
122 W Washington Ave. Suite 100
Madison, Wisconsin 53703

Dane County Dept. of Public Works
Highway & Transportation
1919 Alliant Energy Center Way
Madison, Wisconsin 53713

CHILD SUPPORT AGENCY REMODEL - SUITE 365
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING, JR. BLVD.
MADISON, WISCONSIN

DORSCHNER|ASSOCIATES
PUBLIC WORKS BID # 320028
D|A # 20005.00

MADISON, WISCONSIN



THIRD FLOOR PLAN

GENERAL NOTE:
1. ADA ACCESSIBLE ROUTE EXTENDS FROM BUILDING, DOWN ADA ACCESSIBLE RAMP TO ADA ACCESSIBLE PARKING STALL ON MARTIN LUTHER KING JR BOULEVARD.

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISHED FLOOR
AL	ALUMINUM
AP	ACCESS PANEL
CG	CORNER GUARD
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
EJ	EXPANSION JOINT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FO	FOUNDATION DRAIN SYSTEM FLUSHOUT
FRT	FIRE TREATED
FX–#	FIRE EXTINGUISHER AND TYPE
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
MB	MARKER BOARD
TB	TACK BOARD
BB	BULLETIN BOARD
M.O.	MASONRY OPENING
N.I.C.	NOT IN CONTRACT
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
OPP	OPPOSITE
PLAM	PLASTIC LAMINATE
REV	REVERSE
R.O.	ROUGH OPENING
S.S.	STAINLESS STEEL
TZO	TERRAZZO
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VCT	VINYL COMPOSITION TILE
WD	WOOD
WP	WATER PROOFING
WPT	WORK POINT

MAJOR USE & OCCUPANCY CLASSIFICATION: B
CONSTRUCTION CLASSIFICATION: IB
GROSS FLOOR AREA OF RENOVATION: 1,285 GSF
SPRINKLERED
MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 300'

INDEX OF DRAWINGS

WISCONSIN — DAWN M O'KROLEY — A-9446 — MADISON, WI — ARCHITECT — 8/20/20

WISCONSIN — ALAN M. CZARNECKI — E-18572 — DOUSMAN, WI — PROFESSIONAL ENGINEER — 8/20/20

WISCONSIN — JESSICA L. CULVER — 45760 — HOFFMAN ESTATES, IL — PROFESSIONAL ENGINEER — 8/20/20

ARCHITECTURAL SYMBOLS AND LEGEND

- X/XXX — DETAIL REFERENCE — SHEET REFERENCE — DETAIL NUMBER
- X/XXX — WALL SECTION REFERENCE — SHEET REFERENCE — DETAIL NUMBER
- X — XXXXX — WALL SECTION REFERENCE — SHEET REFERENCE — DETAIL NUMBER
- X — A1.0 — X — X — ELEVATION REFERENCE
- X — PARTITION TYPE REF. SEE SHEET A7.0
- NEW WALLS
- X — WINDOW TYPES SEE A7.0
- 1 HOUR FIRE RATED WALL
- 2 HOUR FIRE RATED WALL
- 100 — DOOR SWING w/NUMBER. SEE A7.0
- 100 — EXISTING DOOR SWING w/NUMBER. SEE A7.0
- 1 — REVISIONS
- FX–1 — RECESSED FIRE EXTINGUISHER
- FX–2 — SURFACE MOUNT FIRE EXTINGUISHER
- x70–1 — SPOT ELEVATION (FEET–INCHES)
- x70.83 — SPOT ELEVATION (FEET.DECIMAL)
- OFFICE 012 — ROOM NAME & NUMBER

DATE: 08.20.20
ISSUED FOR BID 04.27.21

KEY PLAN AND ADA ACCESSIBLE ROUTE

1 PARTIAL THIRD FLOOR DEMOLITION PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

DEMOLITION NOTES

1. REMOVE EXISTING CARPET, SALVAGE ANY LARGE SECTIONS FOR FUTURE REPAIRS & TURN OVER TO OWNER.
2. REMOVE AND REINSTALL RUBBER BASE AS REQUIRED FOR AREAS TO RECEIVE NEW CARPET, SEE FINISH PLAN.
3. DEMO PORTION OF ALUMINUM FRAME FOR INSTALLATION OF STRIKE AND NEW WORK.
4. REMOVE PLAM COUNTER
5. REMOVE WHITEBOARD, TURN OVER TO OWNER
6. REMOVE AND SALVAGE STONE STOOL, TURN OVER TO OWNER
7. NOT USED
8. REMOVE WOOD DOOR AND HM FRAME
9. REMOVE WHITEBOARD FOR REINSTALLATION, CONFIRM LOCATION WITH OWNER
10. REMOVE EXISTING EXTERIOR WINDOW COVERINGS
11. REMOVE SCREEN, SALVAGE FOR REINSTALLATION
12. DEMO PORTION OF ACOUSTIC CEILING TILE FOR REVISED CONFIGURATION
13. REMOVE AND REINSTALL ACOUSTIC CEILING TILE FOR INSTALLATION OF WORK

GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. REFER TO MEP FOR AREAS OF DEMOLITION FOR INSTALLATION OF WORK. REMOVE, SALVAGE AND REINSTALL ACOUSTIC CEILING TILE.
3. PATCH SURFACES DAMAGED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.
4. EXISTING FLOOR TO FLOOR CONCRETE STRUCTURE HEIGHT IS 11'-8" ON THE THIRD FLOOR.

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Dane County Dept. of Public Works
Highway and Transportation
Bid No. 320028

PROJECT

CHILD SUPPORT AGENCY
REMODEL – SUITE 365
CITY–COUNTY BUILDING
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

DRAWING

PARTIAL THIRD FLOOR DEMOLITION PLAN

DATE

08.20.20

D2.1

1 PARTIAL THIRD FLOOR DEMOLITION REFLECTED CEILING PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

REFLECTED CEILING PLAN SYMBOLS

- EXISTING ACOUSTIC CEILING TILE. REMOVE AND REINSTALL EXISTING ACOUSTIC CEILING TILE FOR INSTALLATION OF WORK
- DEMO LIGHT FIXTURE, SEE ELECTRICAL FOR MORE INFORMATION
- DEMO HVAC SUPPLY DIFFUSER, SEE MECHANICAL FOR MORE INFORMATION
- DEMO HVAC RETURN DIFFUSER, SEE MECHANICAL FOR MORE INFORMATION
- DEMO PENDANT LIGHT FIXTURE, SEE ELECTRICAL FOR MORE INFORMATION
- EXISTING PENDANT LIGHT FIXTURE, SEE ELECTRICAL FOR MORE INFORMATION
- DEMO ACOUSTICAL CEILING TILE, SEE MEP FOR MORE INFORMATION

DEMOLITION NOTES

1. REMOVE EXISTING CARPET, SALVAGE ANY LARGE SECTIONS FOR FUTURE REPAIRS & TURN OVER TO OWNER.
2. REMOVE AND REINSTALL RUBBER BASE AS REQUIRED FOR AREAS TO RECEIVE NEW CARPET, SEE FINISH PLAN.
3. DEMO PORTION OF ALUMINUM FRAME FOR INSTALLATION OF STRIKE AND NEW WORK.
4. REMOVE PLAM COUNTER
5. REMOVE WHITEBOARD, TURN OVER TO OWNER
6. REMOVE AND SALVAGE STONE STOOL, TURN OVER TO OWNER
7. NOT USED
8. REMOVE WOOD DOOR AND HM FRAME
9. REMOVE WHITEBOARD FOR REINSTALLATION, CONFIRM LOCATION WITH OWNER
10. REMOVE EXISTING EXTERIOR WINDOW COVERINGS
11. REMOVE SCREEN, SALVAGE FOR REINSTALLATION
12. DEMO PORTION OF ACOUSTIC CEILING TILE FOR REVISED CONFIGURATION
13. REMOVE AND REINSTALL ACOUSTIC CEILING TILE FOR INSTALLATION OF WORK

GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
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3. PATCH SURFACES DAMAGED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.
4. EXISTING FLOOR TO FLOOR CONCRETE STRUCTURE HEIGHT IS 11'-8" ON THE THIRD FLOOR.

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DRAWING

PARTIAL THIRD FLOOR
DEMOLITION REFLECTED
CEILING PLAN

DATE

08.20.20

D3.1

1 PARTIAL THIRD FLOOR PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

PHASED CONSTRUCTION SCHEDULE:

PHASING PLAN: SUBSTANTIALLY COMPLETE OFFICES 365 BA–I THROUGH CORRIDOR 365 BJ PRIOR TO DEMOLITION NEAR OFFICE 365 AH. TWO WEEKS OF CONCURRENT CONSTRUCTION IS ACCEPTABLE TO ALLOW ALL GWB INSTALLATION AND FINISHES TO OCCUR CONCURRENTLY.

GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. REFER TO MEP FOR AREAS OF DEMOLITION FOR INSTALLATION OF WORK. REMOVE, SALVAGE AND REINSTALL ACOUSTIC CEILING TILE.
3. PATCH SURFACES DAMAGED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.
4. EXISTING FLOOR TO FLOOR CONCRETE STRUCTURE HEIGHT IS 11'-8" ON THE THIRD FLOOR.

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210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

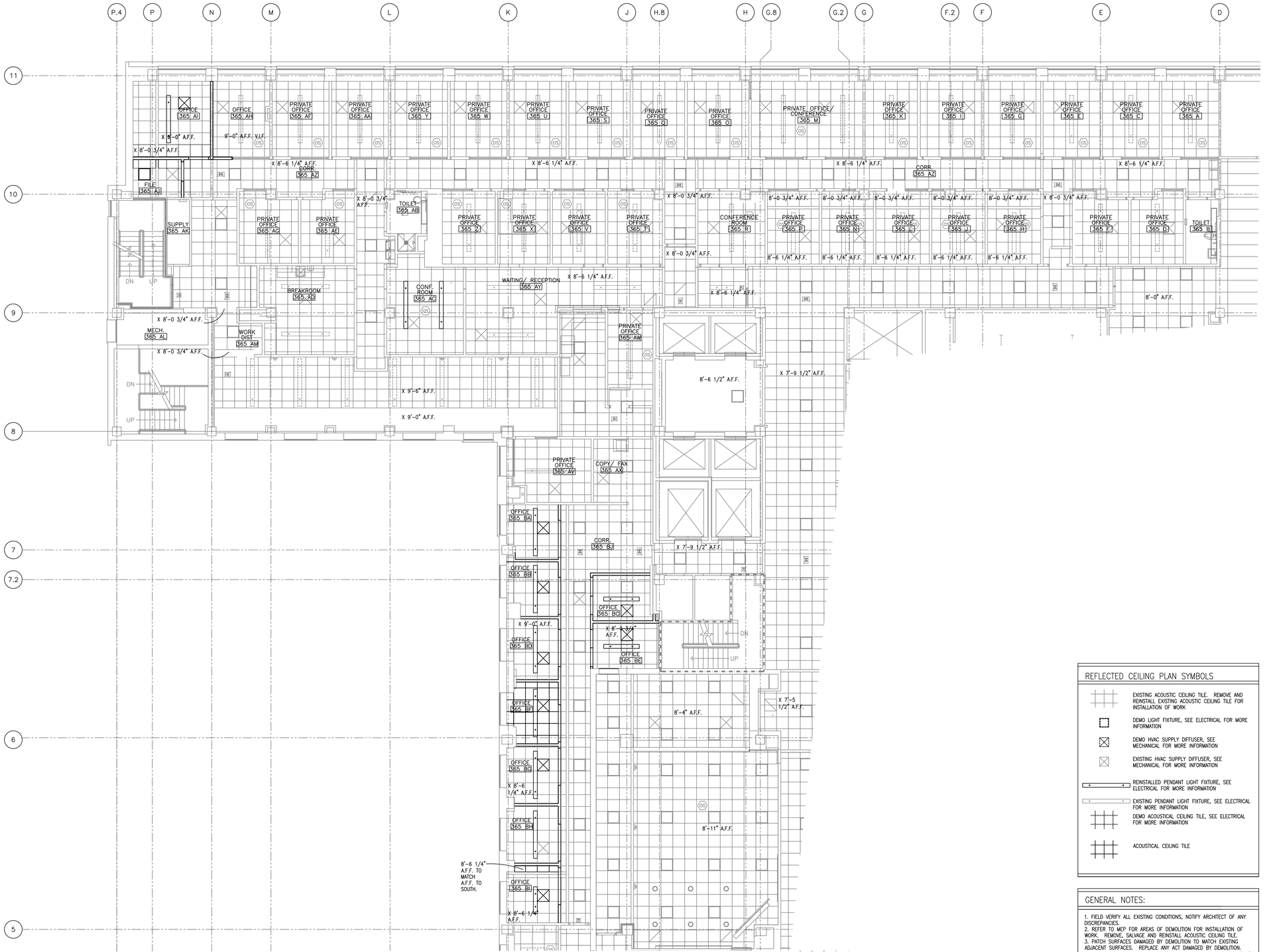
DRAWING

PARTIAL THIRD FLOOR PLAN

DATE

08.20.20

A2.1



1 PARTIAL THIRD FLOOR REFLECTED CEILING PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

REFLECTED CEILING PLAN SYMBOLS

- EXISTING ACOUSTIC CEILING TILE. REMOVE AND REINSTALL EXISTING ACOUSTIC CEILING TILE FOR INSTALLATION OF WORK
- DEMO LIGHT FIXTURE, SEE ELECTRICAL FOR MORE INFORMATION
- DEMO HVAC SUPPLY DIFFUSER, SEE MECHANICAL FOR MORE INFORMATION
- EXISTING HVAC SUPPLY DIFFUSER, SEE MECHANICAL FOR MORE INFORMATION
- REINSTALLED PENDANT LIGHT FIXTURE, SEE ELECTRICAL FOR MORE INFORMATION
- EXISTING PENDANT LIGHT FIXTURE, SEE ELECTRICAL FOR MORE INFORMATION
- DEMO ACOUSTICAL CEILING TILE, SEE ELECTRICAL FOR MORE INFORMATION
- ACOUSTICAL CEILING TILE

GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. REFER TO MEP FOR AREAS OF DEMOLITION FOR INSTALLATION OF WORK. REMOVE, SALVAGE AND REINSTALL ACOUSTIC CEILING TILE.
3. PATCH SURFACES DAMAGED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES. REPLACE ANY ACT DAMAGED BY DEMOLITION.
4. EXISTING FLOOR TO FLOOR CONCRETE STRUCTURE HEIGHT IS 11'-8" ON THE THIRD FLOOR.

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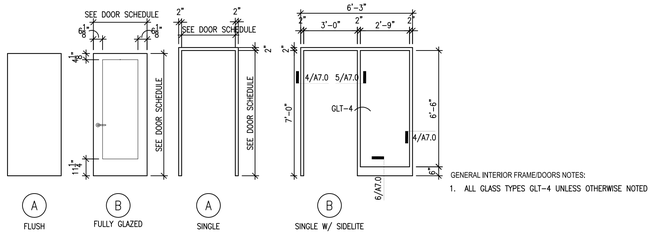
PARTIAL THIRD FLOOR
REFLECTED CEILING PLAN

DATE

08.20.20

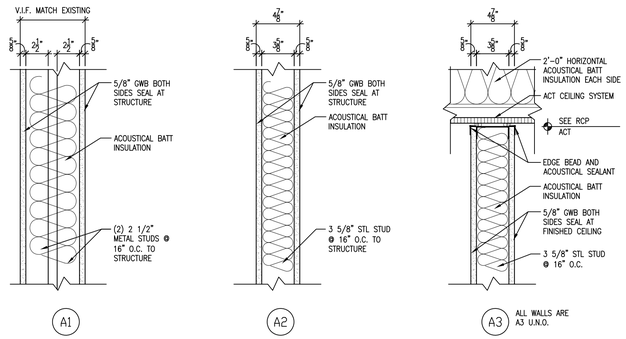
A3.1



GENERAL INTERIOR FRAME/DOORS NOTES:

1. ALL GLASS TYPES GLT-4 UNLESS OTHERWISE NOTED

1 DOOR AND FRAME ELEVATIONS
1/4"=1'-0"



2 PARTITION TYPES
1 1/2"=1'-0"

DOOR AND FRAME SCHEDULE

DOOR NO.	QNTY	DOOR SIZE W	DOOR SIZE H	DOOR T	DOOR MATERIAL	DOOR ELEV	DOOR GLASS	DOOR LOUVER OR UNDERCUT	FRAME MATL	FRAME ELEV	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FIRE LABEL	HDWR GROUP	REMARKS
365AH	1	3-0	7-0	–	WD	A	–	–	AL	17/A7.0	12/A7.0	13/14/A7.0	–	–	1	–
365AI	1	3-0	7-0	–	WD	B	GLT-4	–	AL	A	12/A7.0	13/A7.0	–	–	1	–
365AJ	1	3-0	7-0	–	WD	A	–	–	AL	A	12/A7.0	13/A7.0	–	–	2	–
365BA	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BB	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BC	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BD	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	3	–
365BE	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BF	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BG	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BH	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–
365BI	1	3-0	7-0	–	WD	A	–	–	HM	B	4/A7.0	4/5A7.0	6/A7.0	–	1	–

GENERAL NOTES:

1. PAINT HM FRAMES/DOORS TO MATCH OWNER'S SAMPLE
2. ALL ALUM. DOORS, FRAMES AND WINDOW FRAMES TO BE ALUMINUM FINISH TO MATCH EXISTING
3. WOOD DOORS TO MATCH OWNER'S SAMPLE
4. REFER TO SHEET A7.0 FOR HOLLOW METAL AND ALUMINUM FRAME ELEVATIONS.

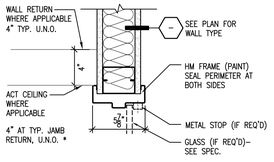
LEGEND

AL	ALUMINUM
HM	HOLLOW METAL
WD	WOOD
UC	UNDERCUT

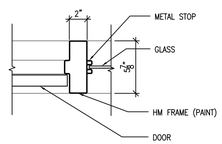
REMARKS:

1. PAINT ALL HM FRAMES IN PROJECT AREA
2. CLOTHES/ROBE HOOK ON BACK OF OFFICE DOORS.

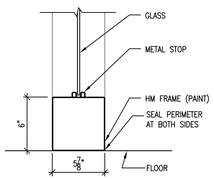
3 NOT USED



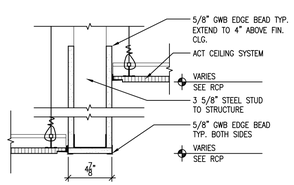
4 HM DOOR JAMB/HEAD DETAIL
1 1/2"=1'-0"



5 HM JAMB DETAIL
1 1/2"=1'-0"



6 HM SILL DETAIL
1 1/2"=1'-0"



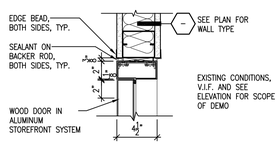
7 BULKHEAD DETAIL
1 1/2"=1'-0"

8 NOT USED

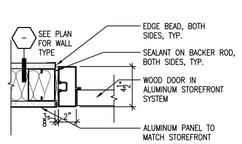
9 NOT USED

10 NOT USED

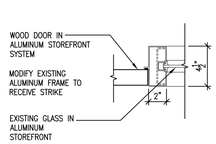
11 NOT USED



12 DOOR HEAD DETAIL
1 1/2"=1'-0"

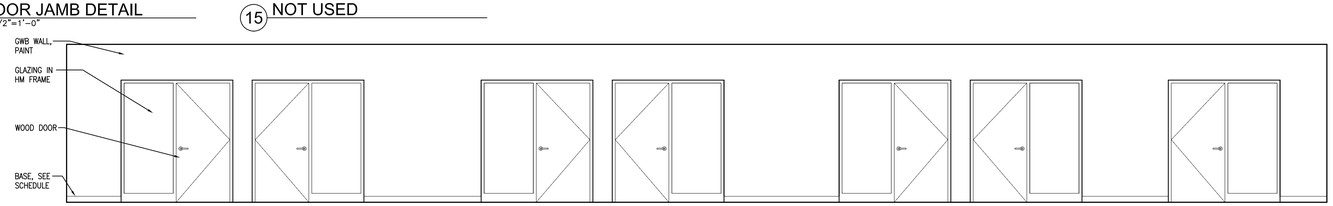


13 DOOR JAMB DETAIL
1 1/2"=1'-0"

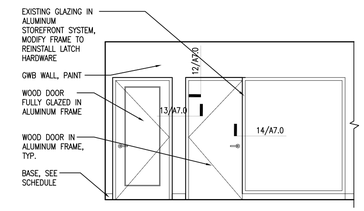


14 DOOR JAMB DETAIL
1 1/2"=1'-0"

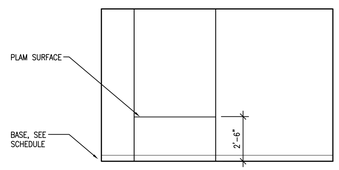
15 NOT USED



16 NOT USED



17 INTERIOR ELEVATION
1/4"=1'-0"



18 INTERIOR ELEVATION
1/4"=1'-0"

19 INTERIOR ELEVATION
1/4"=1'-0"

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210 MARTIN LUTHER KING,
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DRAWING
INTERIOR ELEVATIONS,
PARTITION TYPES, DETAILS
& DOOR SCHEDULE

DATE
08.20.20

A7.0

1 PARTIAL THIRD FLOOR FINISH PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

GENERAL FINISH NOTES:

1. PAINT ALL EXISTING HM FRAMES IN THE AREA OF WORK, BOTH SIDES.
2. EXISTING PAINTED CABINET UNIT HEATERS TO REMAIN
3. PAINT ALL GWB SOFFITS IN THE AREA OF WORK PT-1
4. NEW RUBBER BASE SCHEDULED IN EACH ROOM. SALVAGE AND REINSTALLATION OF EXISTING RUBBER BASE IS ACCEPTABLE WHEN FEASIBLE, FINAL APPROVAL BY ARCHITECT.

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DRAWING

PARTIAL THIRD FLOOR
FINISH PLAN

DATE

08.20.20

A9.1

FIRE PROTECTION SYMBOLS, ABBREVIATIONS, SCHEDULES & SHEET INDEX

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS INDICATED HERE ARE USED IN THE DRAWINGS AND MAY NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE DRAWINGS.

FIRE PROTECTION ABBREVIATIONS

AC	-	AIR COMPRESSOR	L	-	LAVATORY
AP	-	ACCESS PANEL	LBS	-	POUNDS
AD	-	AREA DRAIN	LB/HR	-	POUNDS PER HOURS
AE	-	ANAEROBIC PIPING OR ANESTHESIA EVACUATION	LF	-	LINEAR FOOT
AFF	-	ABOVE FINISHED FLOOR	LPA	-	LINE PRESSURE ALARM
AFG	-	ABOVE FINISHED GRADE	LPG	-	LIQUID PROPANE GAS
AHJ	-	AUTHORITY HAVING JURISDICTION	LPM	-	LITERS PER MINUTE
ARCH	-	ARCHITECTURAL	LP	-	LIQUID PROPANE
ASSY	-	ASSEMBLY	LPT	-	LOW POINT
ATM	-	ATMOSPHERE	LSK	-	LAB SINK
AUTO	-	AUTOMATIC	LT	-	LAUNDRY TUB
AUX	-	AUXILIARY	LW	-	LAUNDRY WASTE OR LAB WASTE
AVG	-	AVERAGE			
			M	-	METER
B/S	-	BELOW SLAB	MAU	-	MAKEUP AIR UNIT
BFP	-	BACKFLOW PREVENTER	MAX	-	MAXIMUM
BHP	-	BRAKE HORSEPOWER	MB	-	MOP BASIN
BLDG	-	BUILDING	MBTU	-	1,000 BRITISH THERMAL UNITS
BOB	-	BOTTOM OF BEAM	MBH	-	THOUSANDS OF BTU PER HOUR
BOP	-	BOTTOM OF PIPE	MC	-	MECHANICAL CONTRACTOR
BOT	-	BOTTOM	MD	-	MAIN DRAIN
BPW	-	BED PAN WASHER	MECH	-	MECHANICAL
BRG	-	BATHROOM GROUP	MEP	-	MECHANICAL, ELECTRICAL, AND PIPING
BSMT	-	BASEMENT	MER	-	MECHANICAL EQUIPMENT ROOM
BT	-	BATHTUB	MEZZ	-	MEZZANINE
BTU	-	BRITISH THERMAL UNITS	MFR	-	MANUFACTURER
BTUH	-	BRITISH THERMAL UNITS PER HOUR	MH	-	MANHOLE
BV	-	BALL VALVE	MIN	-	MINIMUM OR MINUTES
BWV	-	BACKWATER VALVE	MISC	-	MISCELLANEOUS
			mm	-	MILLIMETER
CA	-	COMPRESSED AIR	MS	-	MOP SINK
CALC	-	CALCULATE	MTD	-	MOUNTED
CAP	-	CEILING ACCESS PANEL	MTG	-	MOUNTING
CFG	-	CUBIC FEET PER HOUR			
CFM	-	CUBIC FEET PER MINUTE	NA	-	NOT APPLICABLE
CFS	-	CUBIC FEET PER SECOND	N&C	-	NIPPLE AND CAP
CG	-	COMPOUND GAUGE	N.C.	-	NORMALLY CLOSED
CI	-	CAST IRON	NIC	-	NOT IN CONTRACT
CLG	-	CEILING	NO	-	NUMBER
CLK	-	CLINICAL SINK	N.O.	-	NORMALLY OPEN
cm	-	CENTIMETER	NPCW	-	NON-POTABLE COLD WATER
CO	-	CLEANOUT	NPHW	-	NON-POTABLE HOT WATER
COL	-	COLUMN	NPHWR	-	NON-POTABLE HOT WATER RETURN
COMPR	-	COMPRESSOR	NPS	-	NOMINAL PIPE SIZE
CONC	-	CONCRETE	NPW	-	NON-POTABLE WATER
COND	-	CONDUCTOR	NTS	-	NOT TO SCALE
CONN	-	CONNECTION			
CONTR	-	CONTRACTOR			
CTE	-	CONNECT TO EXISTING	OBV	-	OIL BASIN VENT
CTR	-	CENTER	OC	-	ON CENTER
CU	-	COPPER	OD	-	OUTSIDE DIAMETER
CV	-	CHECK VALVE	OFOI	-	OWNER FURNISHED, OWNER INSTALLED
CW	-	COLD WATER	OHD	-	OPEN HUB DRAIN
CWFU	-	COLD WATER FIXTURE UNITS	OS&Y	-	OUTSIDE SCREW AND YOKE
CWV	-	CLEARWATER VENT	OSD	-	OPEN SITE DRAIN
CWW	-	CLEARWATER WASTE			
DCV	-	DOUBLE CHECK VALVE	PBV	-	PRESSURE BALANCING VALVE
DCW	-	DOMESTIC COLD WATER	PC	-	PLUMBING CONTRACTOR
DCWXR	-	DOMESTIC COLD WATER EXPRESS RISER	PCU	-	PATIENT CARE UNIT
DET	-	DETAIL	PCF	-	POUNDS PER CUBIC FOOT
DI	-	DEIONIZED WATER	PD	-	PRESSURE DROP
DIA	-	DIAMETER	PG	-	PRESSURE GAUGE
DIM	-	DIMENSION	PH	-	PHASE
DN	-	DOWN	PITCH	-	PITCHES UP OR DOWN
DR	-	DRAIN	PIV	-	POST INDICATOR VALVE
DS	-	DOWNSPOUT OR RAIN LEADER DESIGNATION	PKG	-	PACKAGE
DSDB	-	DIALYSIS SUPPLY AND DRAIN BOX	PLBG	-	PLUMBING
DT	-	DRAIN TILE	POC	-	POINT OF CONNECTION
DTW	-	DOMESTIC TEMPERED WATER	PP	-	POLYPROPYLENE
DV	-	DRAIN VALVE	PPH	-	POUNDS PER HOUR
DW	-	DISHWASHER	PPM	-	PARTS PER MILLION
DWG	-	DRAWING	PRESS	-	PRESSURE
			PRV	-	PRESSURE RELIEF VALVE
E	-	EXISTING	PSF	-	POUNDS PER SQUARE FOOT
EC	-	ELECTRICAL CONTRACTOR	PSI	-	POUNDS PER SQUARE INCH
EFF	-	EFFICIENCY	PSIA	-	POUNDS PER INCH ABSOLUTE
EJ	-	EXPANSION JOINT	PSIG	-	POUNDS PER SQUARE INCH GAUGE
ELEC	-	ELECTRICAL	PVC	-	POLYVINYL CHLORIDE
ELEV	-	ELEVATION			
EOD	-	EMERGENCY OVERFLOW DRAIN PIPING	QTY	-	QUANTITY
EORD	-	EMERGENCY OVERFLOW ROOF DRAIN			
EQUIP	-	EQUIPMENT	RD	-	ROOF DRAIN
ES	-	EMERGENCY SHOWER	REC	-	RECESSED
ET	-	EXPANSION TANK	RF	-	ROOF
ETR	-	EXISTING TO REMAIN	RI	-	ROUGH-IN
EVAC	-	EVACUATION PIPING	RN	-	RISER NIPPLE
EXP	-	EXPANSION	RO	-	REVERSE OSMOSIS
EXST	-	EXISTING	ROR	-	REVERSE OSMOSIS RETURN
			ROS	-	REVERSE OSMOSIS SUPPLY
F	-	FAHRENHEIT	ROB	-	ROD OUT BASIN
FA	-	FIRE ALARM	RP	-	RECIRCULATING PUMP
FACP	-	FIRE ALARM CONTROL PANEL	RPM	-	REVOLUTIONS PER MINUTE
FBO	-	FURNISHED BY OTHERS	RPZ	-	REDUCED PRESSURE ZONE VALVE
FDC	-	FIRE DEPARTMENT CONNECTION	RTU	-	ROOF TOP UNIT
FFE	-	FINISHED FLOOR ELEVATION	RV	-	RELIEF VALVE
FIXT	-	FIXTURE	RW	-	RECLAIMED WATER
FH	-	FUME HOOD			
FLR	-	FLOOR	SCH	-	SCHEDULE
FP	-	FIRE PROOF	SF	-	SQUARE FOOT
FPM	-	FEET PER MINUTE	SH	-	SHOWER
FPS	-	FEET PER SECOND	SHT	-	SHEET
FT	-	FEET	SK	-	SINK
FTG	-	FOOTING	SOG	-	SLAB ON GRADE
			SP	-	STANDPIPE
G	-	GAS	SPEC	-	SPECIFICATION
GA	-	GAGE	SQ	-	SQUARE
GAL	-	GALLON	S/S	-	STAINLESS STEEL
GALV	-	GALVANIZED	STD	-	STANDARD
GC	-	GENERAL CONTRACTOR	STM	-	STORM SEWER
GPH	-	GALLONS PER HOUR			
GPM	-	GALLONS PER MINUTE	T&P	-	TEMPERATURE AND PRESSURE
GTV	-	GATE VALVE	TB	-	THRUST BLOCK
			TBR	-	TO BE REMOVED
HB	-	HOSE BIBB	TDFU	-	TOTAL DRAIN FIXTURE UNITS
HD	-	HUB DRAIN	TEMP	-	TEMPERATURE
HP	-	HORSEPOWER OR HIGH POINT	TH	-	THERMOMETER
HR	-	HOUR	TOB	-	TRIPLE OIL BASIN
HS	-	HOSE STATION	TOF	-	TOP OF FOOTING
HW	-	HOT WATER	TOG	-	TOP OF GRATE
HWFU	-	HOT WATER FIXTURE UNIT	TOP	-	TOP OF PIPE
HWR	-	HOT WATER RETURN	TOS	-	TOP OF SLAB
HYD	-	HYDRAULIC	TYP	-	TYPICAL
Hz	-	HERTZ			
			UG	-	UNDERGROUND
IC	-	INSULATING COUPLING	UNO	-	UNLESS OTHERWISE NOTED
ID	-	INSIDE DIAMETER			
IE	-	INVERT ELEVATION	VEL	-	VELOCITY
IN	-	INCHES	VERT	-	VERTICAL
INSUL	-	INSULATION	VIF	-	VERIFY IN FIELD

FIRE PROTECTION PIPING FITTINGS, VALVES, AND SPECIALTIES

	ANGLE VALVE (AV)		HORN
[A]	ABORT SWITCH (DEADMAN TYPE)		IONIZATION DETECTOR (SMOKE)
	BACKFLOW PREVENTER (BFP or RPZ)		HORN W/ STROBE LIGHT
	BALANCING VALVE (BV)	[P]	MANUAL PULL STATION
	BALL VALVE		OS&Y VALVE
	BEAM PENETRATION		PHOTOELECTRIC DETECTOR
	BUTTERFLY VALVE (BFV)		PIPE ANCHOR (PA)
	CAP ON END OF PIPE		PLUG VALVE (PV)
	CEILING CLEAN AGENT NOZZLE	PIV	POST INDICATOR VALVE
	CHECK VALVE (CV)	[VPS]	POWER SUPPLY
T	CLEAN AGENT STORAGE TANK	PA	PREACTION VALVE
CP	CONTROL PANEL		PRESSURE GAUGE WITH VALVE (PG)
	CONTROL VALVE	PS	PRESSURE SWITCH (PS)
D	DELUGE VALVE		PRESSURE-REDUCING VALVE (PRV)
DPV	DRY PIPE VALVE		PUMP (SCHEMATIC)
	FIRE DEPARTMENT CONNECTION	<R	RATE OF RISE DETECTOR
	FIRE DEPARTMENT HOSE VALVE	[VRD]	REMOTE DISPLAY
FDV	FIRE DEPARTMENT VALVE		RISER DOWN (ELBOW)
FHC	FIRE HOSE CABINET		RISER UP (ELBOW)
[FSA]	FIRE STATUS ANNUNCIATOR		ROTATING BEACON
FS	FLOW SWITCH		SOLENOID VALVE (SV)
FPT	FLUSH FIRE PUMP TEST HEADER		SUB-FLOOR CLEAN AGENT NOZZLE
	FREE-STANDING FIRE DEPARTMENT CONNECTION (FIRE HYDRANT)	TS	TAMPER SWITCH
	FREE-STANDING FIRE PUMP TEST HEADER		THERMOSTATIC MIXING VALVE
	GAS VALVE (GV)		UNION (SCREWED)
	GATE VALVE (GV)		VALVE
	GLOBE VALVE (GLV)		VALVE IN RISER
[D]	HEAT DETECTOR		WARNING LIGHT

SPRINKLER HEAD TYPES

	CONCEALED SPRINKLER HEAD		SEMI RECESSED SPRINKLER HEAD
	PENDENT ON/OFF SPRINKLER HEAD		SIDEWALL SPRINKLER HEAD
	PENDENT SPRINKLER HEAD		UPRIGHT SPRINKLER HEAD
	SECURITY PENDENT SPRINKLER HEAD		CONCEALED SIDEWALL SPRINKLER HEAD

GENERAL SYMBOLS

#	REVISION CLOUD WITH TAG
# / ####	VIEW CALLOUT
# / ####	SECTION VIEW
- / ---	VIEW REFERENCE
	ELEVATION MARKER
	POINT OF CONNECTION (POC)
	POINT OF DISCONNECTION
#	NEW PLAN KEYED NOTE
#	DEMOLITION PLAN KEYED NOTE
TAG / TAG	PIPE TAG
	PIPING, EQUIPMENT, DEVICES, ETC. TO BE DEMOLISHED
	EXISTING PIPING, OR EQUIPMENT TO REMAIN
	NEW PIPING OR EQUIPMENT
◄ ►	FLOW DIRECTION ARROW

FIRE PROTECTION SYSTEM LABELS

FM	FIRE MAIN
STP	STANDPIPE
CSP	COMBINATION SPRINKLER STANDPIPE
SP	SPRINKLER
DP	DRAIN PIPE

FIRE PROTECTION GENERAL NOTES

A. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE EXECUTION OF THIS WORK AND SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THE CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED.

B. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF ALL SPRINKLER HEADS AND PIPING WITH STRUCTURAL ELEMENTS, MECHANICAL, PLUMBING, ELECTRICAL EQUIPMENT AND CEILING CONFIGURATION INDICATED ON DRAWINGS. WHERE NECESSARY SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS TO ASSURE REQUIRED DISCHARGE PATTERNS AROUND OBSTRUCTIONS AND DIFFERENT CEILING ELEVATIONS TO YIELD A PROPER DENSITY FOR THE DESIGNED HAZARD.

C. SPRINKLER LOCATIONS SHOWN ON THESE PLANS ARE SUGGESTED LOCATIONS FOR COORDINATION PURPOSES AND DO NOT RELIEVE THE SPRINKLER CONTRACTOR FROM PROVIDING NECESSARY SPRINKLER QUANTITIES AND LOCATIONS FOR A FULLY SPRINKLED BUILDING. LOCATIONS INDICATED SHALL BE FOLLOWED, AND SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER LOCATIONS, QUANTITIES AND SPACING AS REQUIRED TO PROVIDE A FULLY SPRINKLED BUILDING ACCORDING TO REQUIREMENTS OF NFPA 13, MADISON FIRE MARSHAL AND OTHER APPLICABLE CODES.

D. ALL PIPING, FITTINGS AND JOINTS IN SPRINKLER AND STANDPIPE SYSTEMS SHALL CONFORM TO NFPA 13, NON-METALLIC PIPE AND FITTINGS ARE UNACCEPTABLE.

E. VALVES WILL BE READILY ACCESSIBLE FROM A SAFE HEIGHT AND ARE TO BE CLEAR OF ALL OBSTRUCTIONS AND THEIR OPERATION SHALL NOT BE ENCUMBERED BY ANY DEVICE OR EQUIPMENT.

F. INSTALL ALL OVERHEAD HANGERS AND SUPPORTS PRIOR TO SPRAY FIREPROOFING OR DRYWALL CEILING.

G. SPRINKLER SYSTEM ZONES ARE SHOWN ON DRAWINGS FOR COORDINATION PURPOSES. SPRINKLER CONTRACTOR SHALL FOLLOW ZONING AS CLOSELY AS POSSIBLE, AND SHALL REQUEST IN WRITING ANY VARIATION FROM INDICATED ZONING.

H. THE SPACE ABOVE THE CEILING IS LIMITED AND THE INSTALLATION OF WORK WILL BE TIGHT. DUE TO THIS, IT IS IMPORTANT THAT THE SPRINKLER CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK WITH THE CEILING SYSTEM HEIGHT AND CONSTRUCTION THE STRUCTURAL SYSTEM, THE LIGHTING FIXTURES, THE SPRINKLER HEADS/MAINS AND THE PLUMBING PIPES. ROUTE PIPING AS HIGH AS POSSIBLE. MAINTAIN PROPER SERVICE ACCESS CLEARANCES. ACCURATE SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FIELD INSTALLATION.

I. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT ROUTING OR ALL REQUIRED OFFSETS, ACCESSORIES OR APPURTENANCES. CONTRACTOR SHALL PROVIDE AS REQUIRED TO INSTALL A COMPLETE AND COORDINATED JOB, INCLUDING ANY ADDITIONAL ITEMS REQUIRED TO MEET ACTUAL FIELD CONDITIONS AND EQUIPMENT SELECTED.

J. SPRINKLER PROTECTION FOR ELECTRICAL ROOMS, TELE/COM ROOMS AND ANY ASSOCIATED ROOM PRIMARILY WITH ELECTRICAL EQUIPMENT SHALL BE PROTECTED WITH SIDEWALL SPRINKLER HEADS. SPRINKLER PIPING SHALL NOT BE ROUTED OVERHEAD THROUGH ANY OF THESE ROOMS. STUB INTO ROOMS FOR SIDEWALL HEADS.

K. PROVIDE UPRIGHT SPRINKLER HEADS WITH HEAD GUARDS UNDER ALL EXPOSED DUCTWORK GREATER THAN 48" IN WIDTH.

L. WHERE ACOUSTICAL CEILING TILES ARE PROVIDED, ALL SPRINKLERS SHALL BE INSTALLED IN CENTER OF CEILING TILES +/- ½ INCH.

M. SPRINKLER CONTRACTOR SHALL HYDROSTATICALLY TEST ALL SPRINKLER AND STANDPIPE PIPING IN ACCORDANCE WITH NFPA 13 REQUIREMENTS. NEW SPRINKLER PIPING SHALL BE TESTED.

N. SPRINKLER CONTRACTOR SHALL PERFORM ANY FIRESTOPPING ASSOCIATED WITH HIS WORK. FIRESTOPPING REQUIREMENTS AND SPECIFICATIONS ARE INDICATED IN SPECIFICATION DIVISION 7.

DESIGN CRITERIA

APPLICABLE CODES	1. 2015 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS 2. 2009 INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS 3. NFPA 1, 2015 EDITION 4. NFPA 13, 2013 EDITION 5. NFPA 14, 2013 EDITION 6. NFPA 24, 2013 EDITION 7. NFPA 72, 2013 EDITION 8. NFPA 101, 2015 EDITION WITH LOCAL AMENDMENTS

FIRE PROTECTION SHEET INDEX

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ISSUED

ISSUED FOR BID 04.27.21

Dane County Dept. of Public Works
Highway and Transportation
Bid No. 320029

PROJECT
CHILD SUPPORT AGENCY
REMODEL - SUITE 365
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING, JR.
BLVD., MADISON, WI

DRAWING
FIRE PROTECTION
SYMBOLS &
ABBREVIATIONS

DATE
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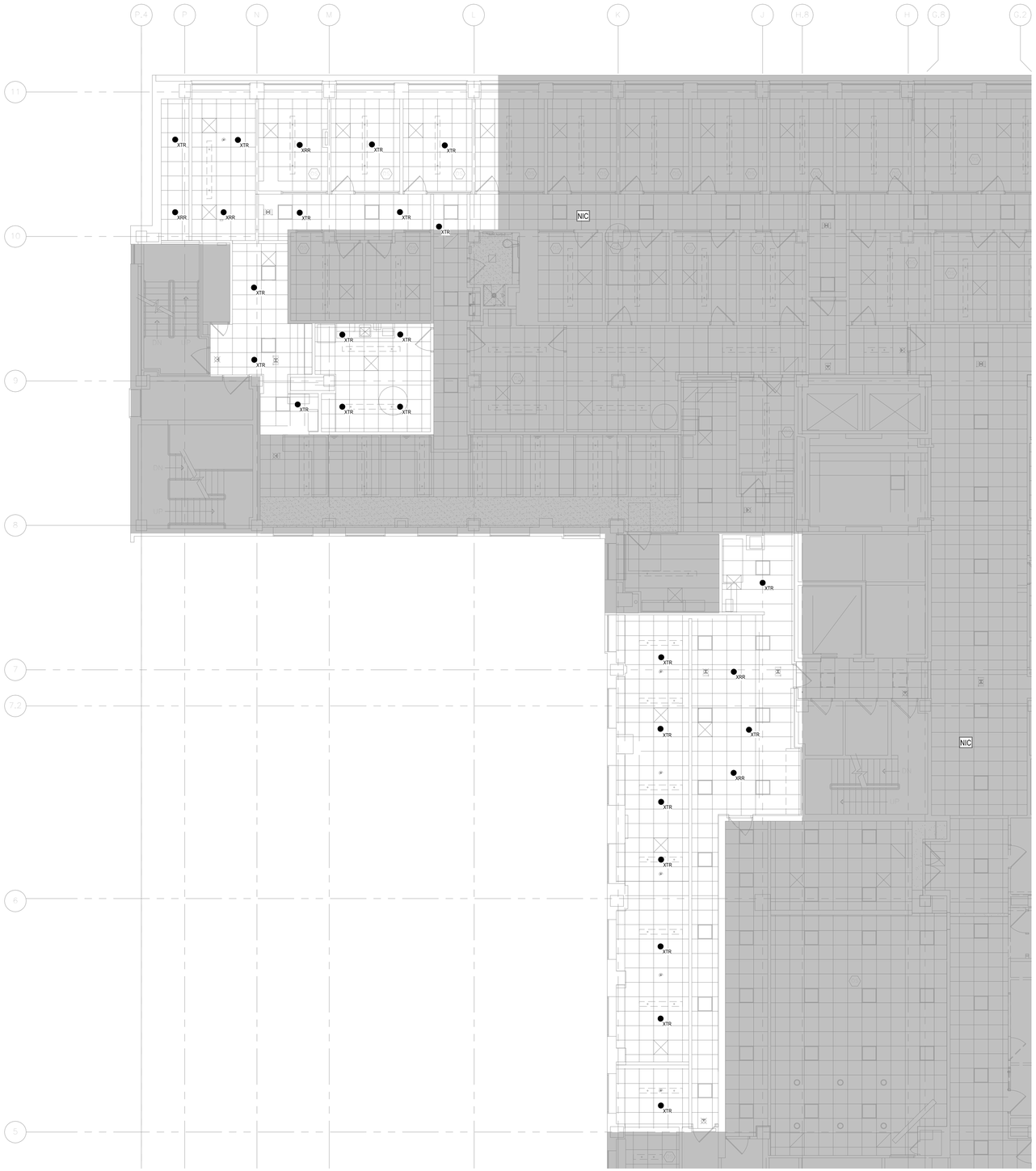

1 FIRE PROTECTION DEMOLITION FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH

TRUE NORTH

EXISTING PROJECT CONDITIONS

INFORMATION PERTAINING TO EXISTING PROJECT CONDITIONS, SUCH AS LOCATIONS OF ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, APPEARS ON PROJECT DRAWINGS. THIS INFORMATION IS BASED ON AVAILABLE RECORDS AS WELL AS INFORMATION COLLECTED WITH REASONABLE CARE AT THE PROJECT SITE. CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR VERIFYING DIMENSIONS AND RELATED INFORMATION AT THE PROJECT SITE PRIOR TO PROCURING ANY MATERIALS, PRODUCTS OR EQUIPMENT TO PERFORM THEIR WORK.

FIRE PROTECTION ANNOTATIONS	
XTR	EXISTING TO REMAIN
XRR	EXISTING TO BE REMOVED AND REPLACED
XR	EXISTING THAT HAS BEEN RELOCATED
N	NEW TO MATCH EXISTING

GENERAL NOTES:

1. WHERE ACOUSTICAL CEILING TILES ARE PROVIDED, ALL SPRINKLERS SHALL BE INSTALLED IN CENTER OF CEILING TILES +/- ½ INCH.

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DRAWING
PARTIAL FIRE
PROTECTION
DEMOLITION FLOOR
PLAN
DATE
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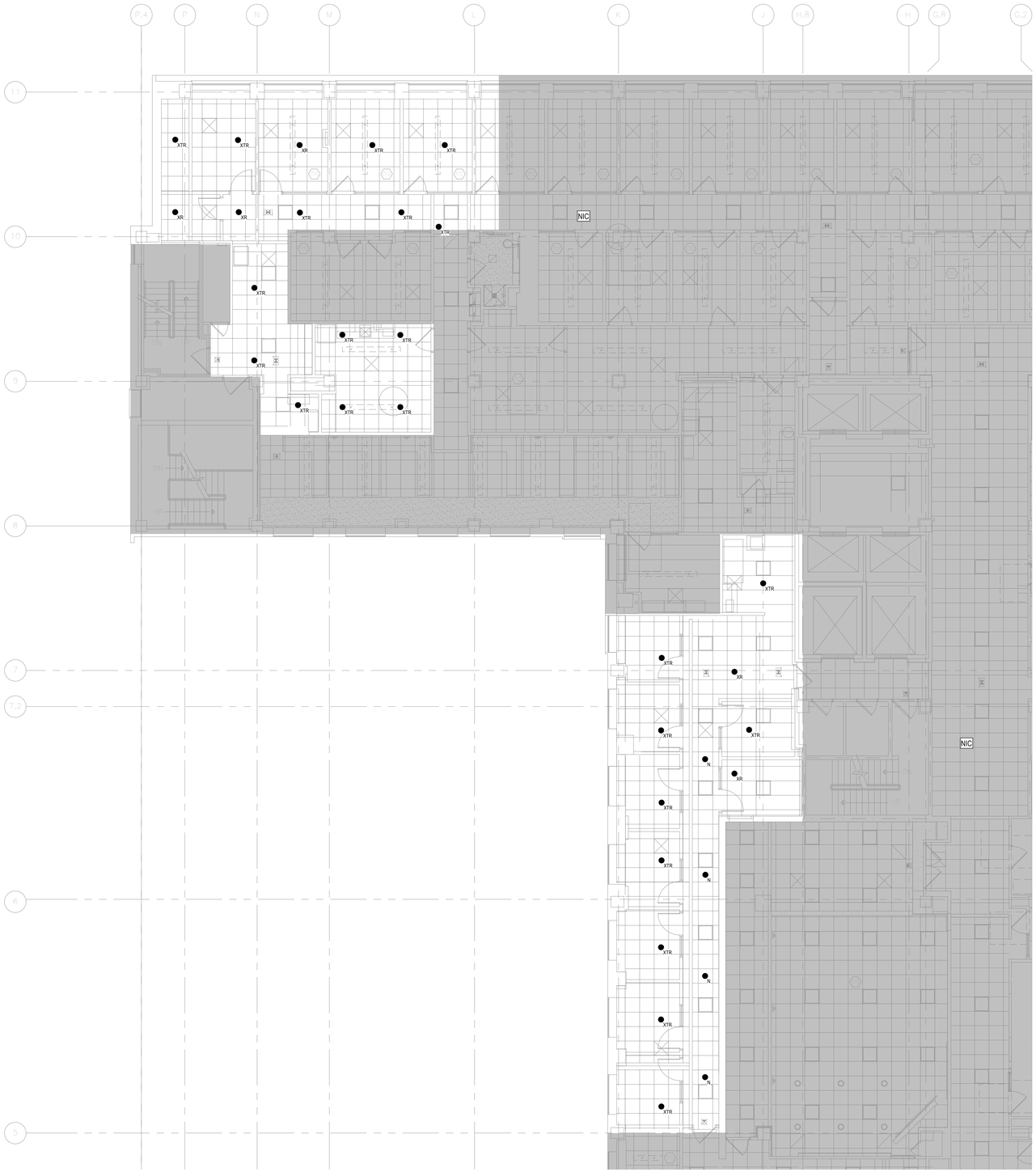

A1 FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH

TRUE NORTH

EXISTING PROJECT CONDITIONS

INFORMATION PERTAINING TO EXISTING PROJECT CONDITIONS, SUCH AS LOCATIONS OF ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, APPEARS ON PROJECT DRAWINGS. THIS INFORMATION IS BASED ON AVAILABLE RECORDS AS WELL AS INFORMATION COLLECTED WITH REASONABLE CARE AT THE PROJECT SITE. CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR VERIFYING DIMENSIONS AND RELATED INFORMATION AT THE PROJECT SITE PRIOR TO PROCURING ANY MATERIALS, PRODUCTS OR EQUIPMENT TO PERFORM THEIR WORK.

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XRR	EXISTING TO BE REMOVED AND REPLACED
XR	EXISTING THAT HAS BEEN RELOCATED
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DRAWING
PARTIAL FIRE
PROTECTION FLOOR
PLAN

DATE
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MECHANICAL SYMBOLS AND ABBREVIATIONS

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS INDICATED HERE ARE USED IN THE DRAWINGS AND MAY NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE DRAWINGS.

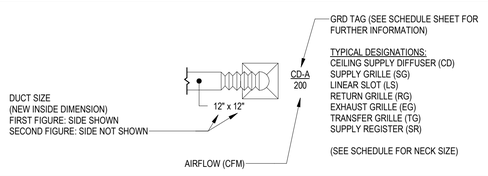
MECHANICAL ABBREVIATIONS

AC	-	AIR CONDITIONING UNIT/AIR COMPRESSOR	LAT	-	LEAVING AIR TEMPERATURE
ACC	-	AIR COOLED CONDENSER	LB/HR	-	POUNDS PER HOUR
ACCU	-	AIR COOLED CONDENSING UNIT	LF	-	LINEAR FEET
ACU	-	AIR CONDITIONING UNIT	LP	-	LOUVERED PENTHOUSE
AD	-	ACCESS DOOR	LTG	-	LIGHTING
ADJ	-	ADJUSTABLE	LWT	-	LEAVING WATER TEMPERATURE
AFF	-	ABOVE FINISHED FLOOR			
AHU	-	AIR HANDLING UNIT	MAU	-	MAKE-UP AIR UNIT
AL	-	ALUMINUM	MAX	-	MAXIMUM
ALT	-	ALTERNATE	MBH	-	THOUSANDS OF BTU PER HOUR
AMD	-	AIR MIXING DEVICE	MC	-	MECHANICAL CONTRACTOR
AP	-	ACCESS PANEL	MCA	-	MINIMUM CIRCUIT AMPACITY
APD	-	AIR PRESSURE DROP	MCC	-	MOTOR CONTROL CENTER
APPROX	-	APPROXIMATE	MCC	-	MOTOR CONTROL CENTER
ARCH	-	ARCHITECTURAL	MEP	-	MECHANICAL, ELECTRICAL AND PLUMBING
ARU	-	AIR ROTATION UNIT	MER	-	MECHANICAL EQUIPMENT ROOM
AS	-	AIR SEPARATOR	MEZZ	-	MEZZANINE
AT	-	AIR TERMINAL DEVICE	MFR	-	MANUFACTURER
AVG	-	AVERAGE	MIN.	-	MINIMUM
			MISC.	-	MISCELLANEOUS
			MOD	-	MOTOR OPERATED DAMPER
B	-	BOILER			
BAS	-	BUILDING AUTOMATION SYSTEM			
BBS	-	BOILER BLOWDOWN SEPARATOR	NA	-	NOT APPLICABLE
BC	-	BOOSTER COIL	NC	-	NORMALLY CLOSED
BFS	-	BOILER FEEDWATER SYSTEM	NIC	-	NOT IN CONTRACT
BOB	-	BOTTOM OF BEAM	NO	-	NORMALLY OPEN
BOD	-	BOTTOM OF DUCT	NPS	-	NOMINAL PIPE SIZE
BOP	-	BOTTOM OF PIPE	NPSH	-	NET POSITIVE SUCTION HEAD
BTU	-	BRITISH THERMAL UNITS	NPT	-	NATIONAL PIPE THREAD
BTUH	-	BRITISH THERMAL UNITS PER HOUR	NR	-	NEAR
			NTS	-	NOT TO SCALE
C	-	CONVECTOR			
CAV	-	CONSTANT AIR VOLUME	OC	-	ON CENTER
CC	-	COOLING COIL	OED	-	OPEN END DUCT
CFH	-	CUBIC FEET PER HOUR	OLP	-	OVERLOAD PROTECTION
CFM	-	CUBIC FEET PER MINUTE	OV	-	OUTLET VELOCITY
CH	-	CHILLER			
CL	-	CENTERLINE	P	-	PUMP
CLG	-	CEILING	PC	-	PLUMBING CONTRACTOR
COND	-	CONDENSATE	PCF	-	POUNDS PER CUBIC FOOT
CONTR	-	CONTRACTOR	PD	-	PRESSURE DROP
COP	-	COEFFICIENT OF PERFORMANCE	PH	-	PHASE
CP	-	CONDENSATE PUMP	PLBG	-	PLUMBING
CRU	-	CONDENSATE RETURN UNIT	POC	-	POINT OF CONNECTION
CT	-	COOLING TOWER	PPH	-	POUNDS PER HOUR
CU	-	COPPER	PRV	-	PRESSURE RELIEF VALVE
CUH	-	CABINET UNIT HEATER	PSF	-	POUNDS PER SQUARE FOOT
			PSI	-	POUNDS PER SQUARE INCH
DAP	-	DUCT ACCESS PANEL	PSIA	-	POUNDS PER SQUARE INCH ABSOLUTE
DB	-	DRY BULB	PSIG	-	POUNDS PER SQUARE INCH GAUGE
DC	-	DUST COLLECTOR	PVC	-	POLYVINYL CHLORIDE
DDC	-	DIRECT DIGITAL CONTROL			
DEG	-	DEGREES	RAHU	-	ROOFTOP AIR HANDLING UNIT
DH	-	DEHUMIDIFIER	RCP	-	RADIANT CEILING PANEL
DIA	-	DIAMETER	REF	-	ROOF EXHAUST FAN
DIM	-	DIMENSION	REQD	-	REQUIRED
DN	-	DOWN	RF	-	ROOF
DWG	-	DRAWING	RF	-	RELIEF FAN
DX	-	DIRECT EXPANSION	RH	-	RELIEF HOOD
			RH	-	RELATIVE HUMIDITY
EAT	-	ENTERING AIR TEMPERATURE	RPM	-	REVOLUTIONS PER MINUTE
EBB	-	ELECTRIC BASEBOARD	RTU	-	ROOFTOP UNIT
EC	-	ELECTRICAL CONTRACTOR	RV	-	ROOF VENTILATOR
EDR	-	EQUIVALENT DIRECT RADIATION			
EF	-	EXHAUST FAN			
EFF	-	EFFICIENCY	S/S	-	STAINLESS STEEL
EH	-	EXHAUST HOOD	SA	-	SOUND ATTENUATOR
EJ	-	EXPANSION JOINT	SCH	-	SCHEDULE
ELEC	-	ELECTRICAL	SF	-	SUPPLY FAN
ELEV	-	ELEVATION	SHT	-	SHEET
EM	-	EMERGENCY	SMD	-	SMOKE MOTORIZED DAMPER
ESP	-	EXTERNAL STATIC PRESSURE	SP	-	STATIC PRESSURE
ET	-	EXPANSION TANK	SPEC	-	SPECIFICATION
ETR	-	EXISTING TO REMAIN	SQ	-	SQUARE
EUH	-	ELECTRIC UNIT HEATER	STD	-	STANDARD
EWT	-	ENTERING WATER TEMPERATURE	STRUCT	-	STRUCTURAL
EXH	-	EXHAUST			
EXIST	-	EXISTING	T	-	TANK
EXP	-	EXPANSION	T STAT	-	THERMOSTAT
			T&P	-	TEMPERATURE AND PRESSURE
			TBR	-	TO BE REMOVED
F	-	FAHRENHEIT	TC	-	TEMPERATURE CONTROL
F	-	FILTER	TEMP	-	TEMPERATURE
F&T	-	FLOAT AND THERMOSTATIC	TOB	-	TOP OF BEAM
FC	-	FORWARD CURVED	TOD	-	TOP OF DUCT
FCU	-	FAN COIL UNIT	TOP	-	TOP OF PIPE
FD	-	FLOOR DRAIN	TOS	-	TOP OF SLAB
FLA	-	FULL LOAD AMPS	TSP	-	TOTAL STATIC PRESSURE
FLR	-	FLOOR	TXV	-	THERMAL EXPANSION VALVE
FM	-	FACTORY MUTUAL	TYP	-	TYPICAL
FOP	-	FUEL OIL PUMP			
FOT	-	FUEL OIL TANK			
FPD	-	FLUID PRESSURE DROP	UC	-	UNDERCUT DOOR
FPI	-	FINS PER INCH	UH	-	UNIT HEATER
FPM	-	FEET PER MINUTE	UNO	-	UNLESS OTHERWISE NOTED
FPS	-	FEET PER SECOND	UST	-	UNDERGROUND STORAGE TANK
FT	-	FEET	UV	-	UNIT VENTILATOR
FTG	-	FOOTING			
FTR	-	FIN TUBE RADIATION	V	-	VOLTS
			V	-	VALVE
GA	-	GAUGE	VAV	-	VARIABLE AIR VOLUME
GAL	-	GALLON	VEL	-	VELOCITY
GALV	-	GALVANIZED	VF	-	VENTILATION FAN
GBD	-	GRAVITY BACKDRAFT DAMPER	VFD	-	VARIABLE FREQUENCY DRIVE
GC	-	GENERAL CONTRACTOR	VP	-	VELOCITY PRESSURE
GF	-	GAS FURNACE	VP	-	VACUUM PUMP
GPH	-	GALLONS PER HOUR	VTR	-	VENT THRU ROOF
GPM	-	GALLONS PER MINUTE			
GV	-	GRAVITY VENTILATOR			
			W/	-	WITH
H	-	HUMIDIFIER	W/O	-	WITHOUT
HC	-	HEATING COIL	WB	-	WET BULB
HP	-	HEAT PUMP	WC	-	WATER COLUMN
HP	-	HORSEPOWER	WG	-	WATER GAUGE
HRC	-	HEAT RECOVERY COIL			
HRD	-	HEAT RECLAIM DEVICE	X	-	EXISTING
HX	-	HEAT EXCHANGER			
IAH	-	INTAKE AIR HOOD			
ID	-	INSIDE DIAMETER			
IE	-	INVERT ELEVATION			
IF	-	INLINE FAN			
IFH	-	INFRARED HEATER			
IN	-	INCHES			

MECHANICAL SYSTEM ABBREVIATIONS

PIPING SYSTEMS			DUCT SYSTEMS		
CA	-	COMPRESSED AIR	EA	-	EXHAUST AIR
CWS	-	CONDENSER WATER SUPPLY	OA	-	OUTSIDE AIR
CWR	-	CONDENSER WATER RETURN	RA	-	RETURN AIR
CHWS	-	CHILLED WATER SUPPLY	SA	-	SUPPLY AIR
CHWR	-	CHILLED WATER RETURN	TA	-	TRANSFER AIR
D	-	DRAIN LINE			
PW	-	POTABLE WATER			
FOF	-	FUEL OIL FILL			
FOS	-	FUEL OIL SUPPLY			
FOR	-	FUEL OIL RETURN			
FOV	-	FUEL OIL VENT			
HPS	-	HEAT PUMP WATER SUPPLY			
HPR	-	HEAT PUMP WATER RETURN			
HWS	-	HOT WATER SUPPLY			
HWR	-	HOT WATER RETURN			
HPS	-	HIGH PRESSURE STEAM			
HPC	-	HIGH PRESSURE STEAM CONDENSATE			
HS	-	HYDRONIC SUPPLY (DUAL TEMPERATURE SYSTEM)			
HR	-	HYDRONIC RETURN (DUAL TEMPERATURE SYSTEM)			
LPS	-	LOW PRESSURE STEAM			
LPC	-	LOW PRESSURE STEAM CONDENSATE			
NG	-	NATURAL GAS			
NPW	-	NON-POTABLE WATER			
PC	-	PUMPED CONDENSATE			
RHG	-	REFRIGERANT HOT GAS			
RL	-	REFRIGERANT LIQUID			
RS	-	REFRIGERANT SUCTION			
V	-	VENT LINE			
(X) ABBV	-	EXISTING SYSTEM			

GRILLE, REGISTER, AND DIFFUSER NOTATION



	-	RECTANGULAR SUPPLY GRILLE, REGISTER, OR DIFFUSER (HORIZONTAL MOUNT)		-	SUPPLY GRILLE, REGISTER, OR DIFFUSER (VERTICAL MOUNT)
	-	ROUND SUPPLY GRILLE, REGISTER, OR DIFFUSER (HORIZONTAL MOUNT)		-	RETURN OR EXHAUST GRILLE OR REGISTER (VERTICAL MOUNT)
	-	RECTANGULAR RETURN GRILLE OR REGISTER (HORIZONTAL MOUNT)	DG	-	DOOR TRANSFER GRILLE
	-	RECTANGULAR EXHAUST GRILLE OR REGISTER (HORIZONTAL MOUNT)	UC	-	UNDERCUT DOOR

MECHANICAL DUCTWORK SPECIALTIES

	-	MANUAL VOLUME DAMPER	F/S	-	COMBINATION FIRE/SMOKE DAMPER
M	-	MOTORIZED DAMPER		-	DUCT ACCESS DOOR
B	-	BACKDRAFT DAMPER		-	FLEX DUCT (DOUBLE & SINGLE LINE)
FD	-	FIRE DAMPER		-	IN-DUCT HEATING / COOLING COIL
	-	SMOKE DAMPER		-	LINED DUCTWORK

GENERAL SYMBOLS

#	-	REVISION CLOUD WITH TAG
# ###	-	VIEW CALLOUT
# ###	-	SECTION VIEW
	-	ELEVATION MARKER
	-	POINT OF CONNECTION
	-	POINT OF DISCONNECTION
# #	-	KEYED NOTE - CIRCLE = NEW CONSTRUCTION - HEXAGON = DEMOLITION
VAV-1	-	MECHANICAL EQUIPMENT TAG
TAG TAG	-	PIPE OR DUCT TAG
	-	PIPING, DUCTWORK, EQUIPMENT, DEVICES, ETC. TO BE DEMOLISHED
	-	EXISTING PIPING, DUCTWORK, OR EQUIPMENT TO REMAIN
	-	NEW PIPING, DUCTWORK, OR EQUIPMENT
	-	BREAK LINE
	-	AIRFLOW DIRECTION ARROW
	-	FLOW DIRECTION ARROW

DUCTWORK FITTINGS & SYMBOLS

	RECTANGULAR / ROUND BRANCH TAKEOFF	
	TEE (FOR LOW PRESSURE SUPPLY AIR DUCTWORK ONLY)	
	ECCENTRIC TRANSITION	
	CONCENTRIC TRANSITION	
	SUPPLY AIR OR OUTSIDE AIR RISE	
	SUPPLY AIR OR OUTSIDE AIR DROP	
	RETURN AIR RISE	
	RETURN AIR DROP	
	EXHAUST AIR RISE	
	EXHAUST AIR DROP	
	RADIUS ELBOW	
	SQUARE ELBOW	
	DUCT CROSSING	
	DUCT SLOPE IN DIRECTION OF RISE	

MECHANICAL PIPING FITTINGS, VALVES, AND SPECIALTIES

	-	BALANCING VALVE		-	PIPE ELBOW DOWN
	-	BALL VALVE		-	PIPE ELBOW UP
	-	BUTTERFLY VALVE		-	PIPE TEE DOWN
	-	BUTTERFLY VALVE WITH ACTUATOR		-	PIPE TEE UP
	-	CHECK VALVE		-	PIPE UNION
	-	DRAIN VALVE WITH CAPPED END	AV	-	AUTOMATIC AIR VENT
	-	GATE VALVE	MV	-	MANUAL AIR VENT
	-	GLOBE VALVE		-	BALL JOINT
	-	ISOLATION (SHUTOFF) VALVE	EJ	-	EXPANSION JOINT
	-	PIPE STRAINER		-	FLEX CONNECTION
### PSI	-	PRESSURE REDUCING VALVE	FM	-	FLOW METER
### PSI	-	PRESSURE RELIEF VALVE	FS	-	FLOW SWITCH
	-	PUMP		-	PETES PLUG
	-	TRIPLE DUTY VALVE		-	PRESSURE GAUGE
	-	2-WAY CONTROL VALVE	PS	-	PRESSURE SWITCH
	-	3-WAY CONTROL VALVE	XX	-	STEAM TRAP (XX) IB = INVERTED BUCKET T = THERMOSTATIC T&B = FLOAT AND THERMOSTATIC
	-	CAPPED PIPE		-	THERMOMETER
F	-	FLOW SENSOR	T	-	TEMPERATURE SENSOR

MECHANICAL CONTROLS

T ##.###	-	SPACE THERMOSTAT/TEMPERATURE SENSOR WITH ASSOCIATED EQUIPMENT TAG	CO	-	CARBON MONOXIDE SENSOR
H	-	SPACE HUMIDISTAT	CO_2	-	CARBON DIOXIDE SENSOR
P	-	PRESSURE SENSOR	NO_2	-	NITROGEN DIOXIDE SENSOR
SD	-	DUCT SMOKE DETECTOR			
S	-	SPEED SWITCH			
S	-	STARTER			

MECHANICAL SHEET INDEX

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210 MARTIN LUTHER KING, JR.
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DRAWING
MECHANICAL SYMBOLS
& ABBREVIATIONS

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GENERAL PROJECT NOTES

1. ALL WORK SHALL COMPLY WITH THE 2015 INTERNATIONAL BUILDING CODE WITH WISCONSIN AMMENDMENTS, 2015 INTERNATIONAL MECHANICAL CODE WITH WISCONSIN AMMENDMENTS AND ALL APPLICABLE STANDARDS.
2. DIMENSIONS SHALL BE FIELD-VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJECTS INVOLVING RENOVATION, COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE BUILDING STRUCTURE AND ARCHITECTURAL FEATURES, SPRINKLER PIPING, LIGHTS, PLUMBING, AND ELECTRICAL CONDUIT.
3. DRAWINGS ARE DIAGRAMMATIC IN NATURE. COORDINATE EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT SO ALL SERVICEABLE COMPONENTS CAN BE EASILY ACCESSED BY REMOVING CEILING TILES ONLY. REMOVAL OR RELOCATION OF LIGHTING FIXTURES FOR SERVICE ACCESS IS NOT ACCEPTABLE. THE CONTRACTOR SHALL RE-INSTALL EQUIPMENT THAT HAS INADEQUATE OR UNSAFE ACCESSIBILITY. PROVIDE ALL TRANSITIONS, TURNING VANES, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES, UPSTREAM OF SPLIT. REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
4. PRIOR TO BID, COORDINATE ALL MECHANICAL WORK WITH ELECTRICAL WORK AND OTHER TRADES. SEE SPECIFICATIONS FOR REQUIREMENTS.
5. GENERAL CONTRACTOR IS RESPONSIBLE TO HAVE QUALIFIED SUBCONTRACTORS PERFORMING ALL WORK. CONTRACTORS AND FOREMEN PERFORMING WORK UNDER THIS DIVISION SHALL MEET THE SPECIFIED MINIMUM QUALIFICATIONS AND LICENSE REQUIREMENTS. QUALIFICATIONS SHALL BE SUBMITTED FOR REVIEW BY A/E PRIOR TO SHOP DRAWING PHASE AND PRIOR TO ANY WORK BEING PERFORMED BY CONTRACTOR. NO PAYMENTS WILL BE AUTHORIZED BY ENGINEER FOR WORK PERFORMED BY SUBCONTRACTING FIRMS OR FOREMEN THAT DO NOT MEET THE MINIMUM QUALIFICATIONS.
6. WHERE CROWDED LOCATIONS EXIST OR WHERE THERE IS A POSSIBILITY OF CONFLICT BETWEEN TRADES, CONTRACTOR SHALL PREPARE COMPOSITE DRAWINGS SHOWING THE EXACT LOCATION OF PIPES, DUCTS, CONDUIT AND EQUIPMENT. DRAWINGS SHALL BE BASED ON FIELD MEASUREMENTS AND, AFTER CONSULTATION AND AGREEMENT BETWEEN THE TRADES, SHALL BE APPROVED BY THE ARCHITECT/ENGINEER BEFORE INSTALLATION OF THE WORK.
7. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ENGINEER AND GENERAL CONTRACTOR ON REQUIREMENTS FOR STRUCTURAL SUPPORT AND FRAMING FOR ALL MECHANICAL EQUIPMENT AND SYSTEMS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND VERIFYING STRUCTURAL SUPPORT AND FRAMING.
8. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS AND COORDINATION WITH ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO STRUCTURAL, LIGHTING, ELECTRICAL, PLUMBING, AND OTHER EXISTING AND NEW WORK. VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO PURCHASING EQUIPMENT. ALL DISCREPANCIES OR POTENTIAL PROBLEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING. PROVIDE ADDITIONAL MATERIALS AND LABOR TO RELOCATE OR REPLACE MECHANICAL WORK AS REQUIRED TO ALLOW SPACE FOR THE WORK OF ALL TRADES.
9. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS BASED UPON INFORMATION OBTAINED WITHOUT REMOVING CEILING TILES OR WALLS. THEREFORE, THE CONTRACTOR SHALL INCLUDE IN THEIR BID CONTINGENCY COSTS TO ADDRESS CONFLICTS BETWEEN DESIGN AND EXISTING CONDITIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED BY OTHER TRADES DUE TO SUBSTITUTION OF OTHER THAN SCHEDULED EQUIPMENT. WHEN EQUIPMENT FURNISHED IS DIFFERENT THAN INDICATED, THE COST OF ADDITIONAL ELECTRICAL SERVICE, STRUCTURAL AND RELATED WORK SHALL BE PAID BY THIS CONTRACTOR.
11. ALL SERVICES TO EXISTING BUILDINGS SHALL BE MAINTAINED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED. IF NECESSARY, INTERRUPTIONS TO EXISTING SERVICES SHALL BE SCHEDULED FOR TIMES OTHER THAN NORMAL OPERATING HOURS (SUCH AS NIGHTS AND WEEKENDS). SUCH INTERRUPTIONS TO SERVICES SHALL NOT BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE AND PROPER COORDINATION WITH OTHER TRADES. PRE-WORK SHALL BE PERFORMED TO MAKE THE SHUTDOWN PERIOD AS BRIEF AS POSSIBLE.
12. ALL CHANGES MADE IN THE FIELD SHALL BE RECORDED ON AS-BUILT DRAWINGS, SHOP DRAWINGS, AND MAINTENANCE MANUALS. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO PURCHASING EQUIPMENT AND PRIOR TO CUTTING OPENINGS.
13. SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED FOR ALL MECHANICAL WORK INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, EQUIPMENT, AND AIR DISTRIBUTION DEVICES PRIOR TO ANY FABRICATION OR INSTALLATION. ALL SHOP DRAWINGS SHALL BE SUBMITTED IN A FORMAT THAT IS IN STRICT ACCORDANCE WITH SPECIFICATIONS.
14. LOCATE EQUIPMENT TO ACHIEVE MANUFACTURER'S RECOMMENDED ACCESS AND CLEARANCE FOR OPERATION AND MAINTENANCE. COORDINATE EQUIPMENT LOCATIONS WITH WORK OF OTHER TRADES. DO NOT INFRINGE ON THE OPERATION AND MAINTENANCE SPACES OF EQUIPMENT INSTALLED BY OTHER TRADES. WHERE CONFLICT OCCURS, COORDINATE WITH OTHER TRADES TO LOCATE OR RELOCATE EQUIPMENT TO RESOLVE CONFLICT AND MAINTAIN REQUIRED ACCESS.
15. ALL CONNECTIONS TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
16. ALL EQUIPMENT, PIPING AND VALVES SHALL HAVE SPECIFIED IDENTIFICATION LABELS AND AS INDICATED.
17. DUCT OPENING TYPES THROUGH BUILDING CONSTRUCTION SHALL BE SUITED TO PRESERVE FLOOR, WALL, OR DUCT/PIPE SYSTEM RATINGS.
18. COORDINATE DUCTWORK WITH EXISTING CEILING SUPPORT CABLES.
19. DUCT CONSTRUCTION SHALL BE SHEET METAL AND IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD. DUCT SIZES SHOWN ARE MINIMUM INSIDE CLEAR DIMENSIONS.
20. ALL SUPPLY AIR DUCT BENDS FROM THE VERTICAL TO THE HORIZONTAL AND ANGLED TURNS OF DUCTWORK SHALL BE RADIUS ELBOWS. WHERE A RADIUS ELBOW WILL NOT FIT, ELBOW SHALL HAVE TURNING VANES INSTALLED.
21. BEVELED TAKE-OFFS AND DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTWORK LEADING FROM MAIN TRUNK LINES.
22. COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES. VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS AND OTHER AIR DISTRIBUTION DEVICES.
23. PROVIDE AIR TURNING VANES IN ALL 90-DEGREE RECTANGULAR DUCT ELBOWS.
24. SEE SPECIFICATIONS FOR GAUGES, THICKNESS, BRACING, REQUIREMENTS, ETC., OF DUCTWORK.
25. LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.
26. ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
27. ALL BARE METAL SURFACES SHALL BE PRIMED TO PREVENT ANY RUST, INCLUDING, BUT NOT LIMITED TO, ANGLE FRAMING, UNIT SUPPORTS, MOUNTING HARDWARE, ETC. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
28. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING OR MAINTENANCE OF ALL MECHANICAL EQUIPMENT. PROVIDE ACCESS PANELS AS REQUIRED FOR ALL VALVES, DAMPERS, CONTROLS, OR OTHER EQUIPMENT.
29. PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTING TO EACH FAN, AIR HANDLING UNITS, AND FAN COIL UNITS.
30. MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC., AND ALL FIRE RATED, AND FIRE/SMOKE RATED PARTITIONS, TO ALLOW FOR INSPECTIONS OF RATED WALLS.
31. ALL MATERIALS AND EQUIPMENT INSTALLED IN RETURN AIR PLENUMS SHALL BE NON-COMBUSTIBLE AND UL APPROVED FOR USE IN A RETURN AIR PLENUM SPACE. ALL WIRING SHALL BE NON-COMBUSTIBLE OR SHALL BE ENCLOSED IN METAL CONDUIT OR PROTECTED BY A SHEET METAL COVER SECURED WITH METAL FASTENERS.
32. WATER PRESSURE DROPS THROUGH COIL CONTROL VALVES SHALL NOT EXCEED 5 PSI.
33. SLEEVE AND SEAL ALL PIPING PENETRATIONS THROUGH BUILDING PARTITIONS. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN CHILLED WATER AND HOT WATER PIPING.
34. PIPING, DUCTWORK, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO ELECTRICAL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, OR MOTOR CONTROL CENTERS SHALL NOT BE INSTALLED WITHIN THE REQUIRED SPACE FOR WORKING CLEARANCES OR DEDICATED SPACES OF THE ELECTRICAL EQUIPMENT, EXTENDING IN FRONT OF AND FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC-110.26.
35. GENERAL DEMOLITION NOTE: INFORMATION TAKEN FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
36. ALL EQUIPMENT, DUCTWORK, ETC., TO BE REMOVED SHALL REMAIN PROPERTY OF THE OWNER OR DISPOSED OF LEGALLY, AS DIRECTED BY OWNER.
37. PROVIDE SELECTIVE CEILING DEMOLITION TO PLACE NEW DUCTWORK AND DIFFUSERS. REPLACE DAMAGED CEILING TILES AND GRIDS IN DEMOLITION AREA. NEW CEILING TILES SHALL MATCH THOSE BEING REPLACED.
38. PROVIDE TEST AND BALANCE OF ANY AND ALL SYSTEMS SERVING SPACES WITHIN THE LIMITS OF CONSTRUCTION. TEST AND BALANCE SHALL BE CONDUCTED PER MECHANICAL SPECIFICATIONS. THE FINAL TEST AND BALANCE REPORT SHALL BE SUBMITTED AND REVIEWED.

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ISSUED

ISSUED FOR BID 04.27.21

Dane County Dept. of Public Works
Highway and Transportation
Bid No. 320029

PROJECT
CHILD SUPPORT AGENCY
REMODEL - SUITE 365
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING, JR.
BLVD., MADISON, WI

DRAWING
MECHANICAL GENERAL NOTES

DATE
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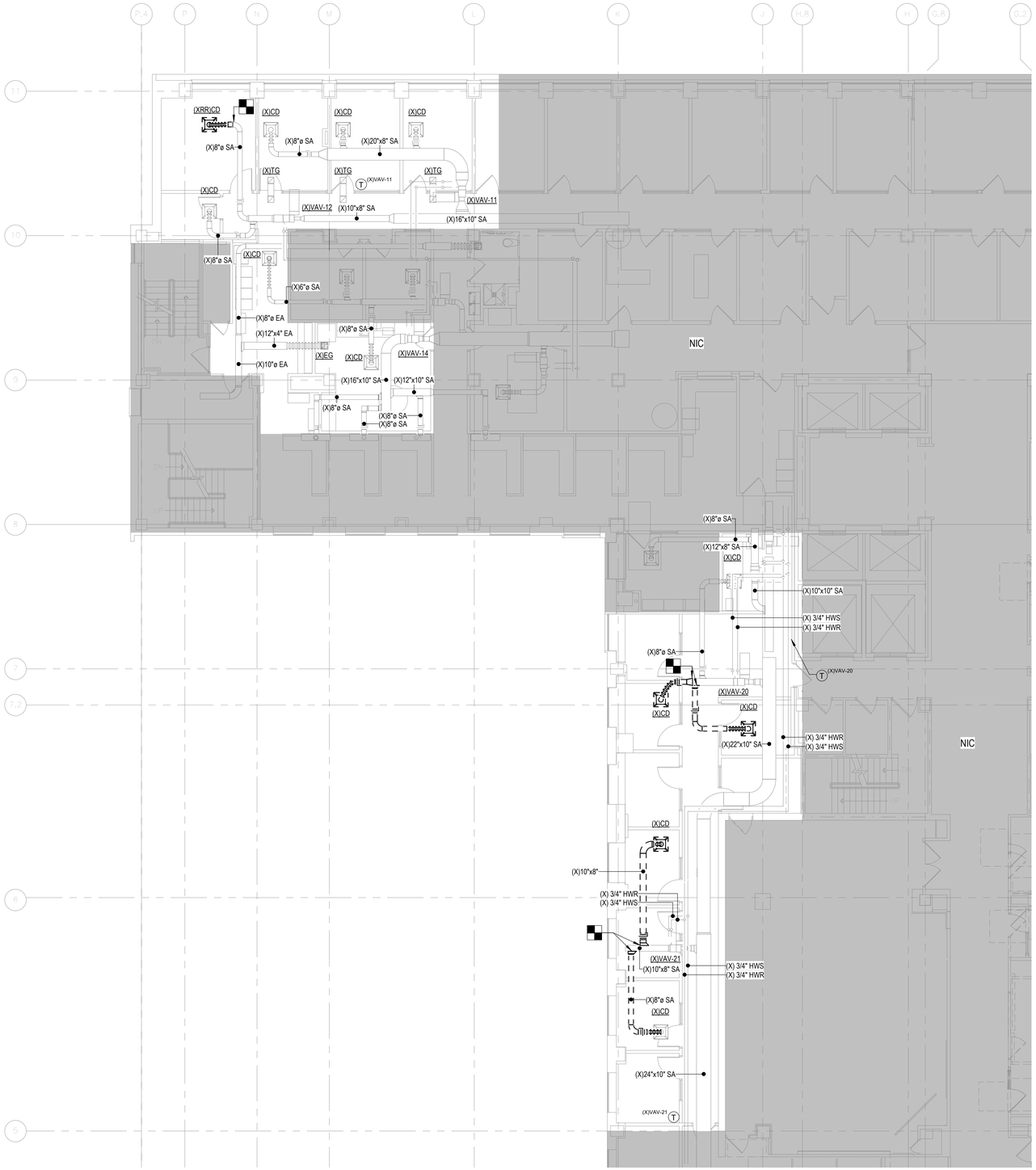

1 PARTIAL MECHANICAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH

TRUE NORTH

EXISTING PROJECT CONDITIONS

INFORMATION PERTAINING TO EXISTING PROJECT CONDITIONS, SUCH AS LOCATIONS OF ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, APPEARS ON PROJECT DRAWINGS. THIS INFORMATION IS BASED ON AVAILABLE RECORDS AS WELL AS INFORMATION COLLECTED WITH REASONABLE CARE AT THE PROJECT SITE. CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR VERIFYING DIMENSIONS AND RELATED INFORMATION AT THE PROJECT SITE PRIOR TO PROCURING ANY MATERIALS, PRODUCTS OR EQUIPMENT TO PERFORM THEIR WORK.

MECHANICAL ANNOTATIONS	
X	EXISTING TO REMAIN
XRR	EXISTING TO BE REMOVED AND REPLACED
XR	EXISTING THAT HAS BEEN RELOCATED

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DRAWING

PARTIAL MECHANICAL DEMOLITION FLOOR PLAN

DATE

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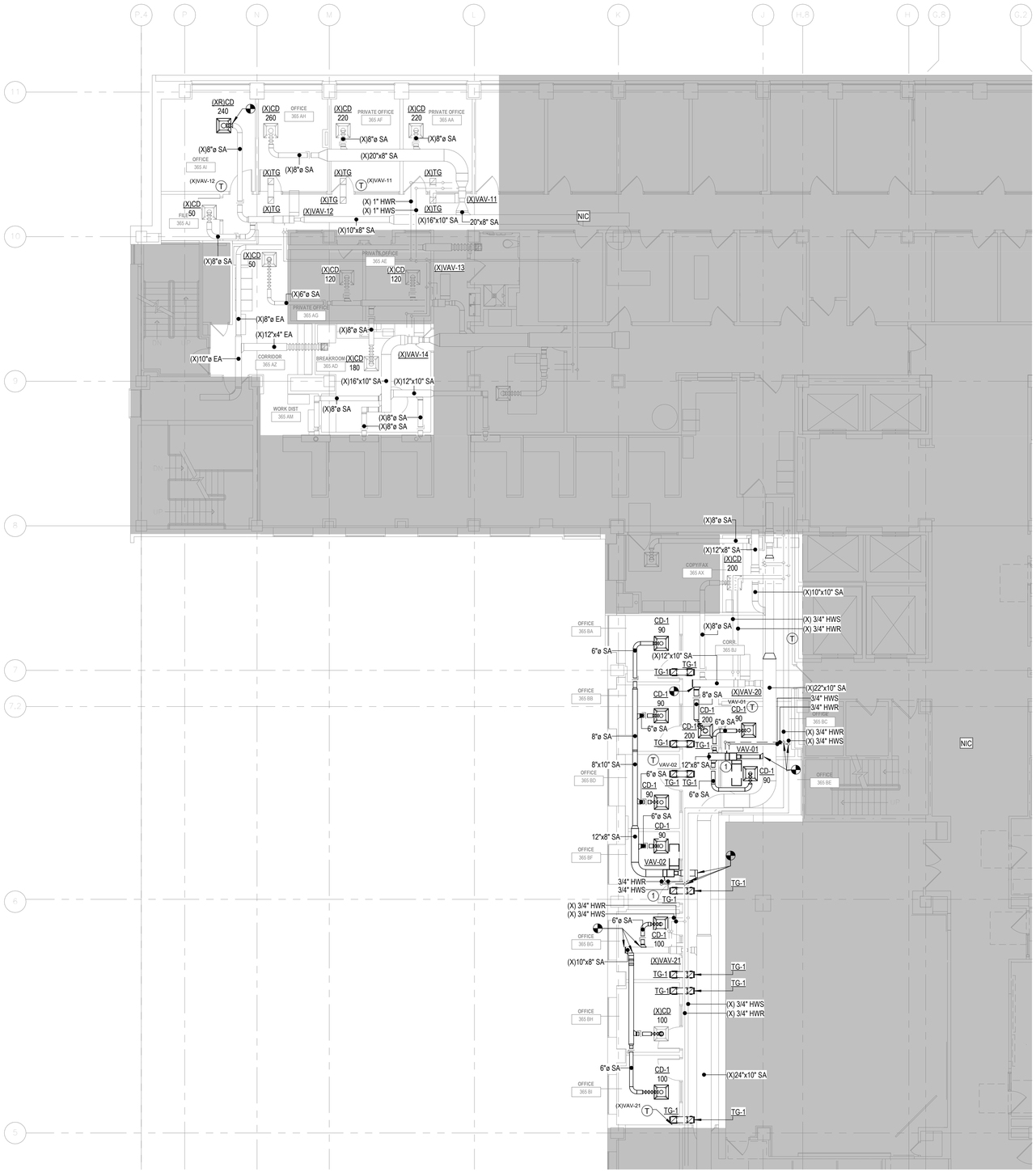

A1 PARTIAL MECHANICAL THIRD FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH

TRUE NORTH

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EXISTING PROJECT CONDITIONS

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MECHANICAL ANNOTATIONS	
X	EXISTING TO REMAIN
XRR	EXISTING TO BE REMOVED AND REPLACED
XR	EXISTING THAT HAS BEEN RELOCATED

KEYED NOTES THIS SHEET:

1. CONNECT NEW 3/4-INCH HWS AND HWR PIPING FROM EXISTING PIPING TO NEW VAV BOX PER DETAIL.

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PARTIAL MECHANICAL
FLOOR PLAN

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GRILLE, REGISTER, AND DIFFUSER SCHEDULE

NOTES:

1. [NOTE]

TAG	DESCRIPTION	MAX AIRFLOW (CFM)	DUCT CONNECTION SIZE			MODULE SIZE		MAX NC	MODEL	MANUFACTURER
			ROUND INLET DIAMETER	INLET WIDTH	INLET HEIGHT	LENGTH	WIDTH			
(XR)CD	SQUARE PLAQUE CEILING DIFFUSER	0	8"			24"	24"	0	-	-
(XRR)CD	SQUARE PLAQUE CEILING DIFFUSER	0	8"			24"	24"	0	-	-
CD-1	SQUARE PLAQUE CEILING DIFFUSER	100	6"			24"	24"	25	SPD	PRICE
TG-1	45 DEGREE DEFLECTION	250		10"	10"	12"	12"	20	530	PRICE

VAV BOX HOT WATER REHEAT SCHEDULE

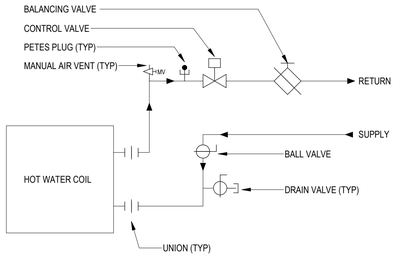
GENERAL NOTES:

A. HEATING CAPACITY BASED ON MAXIMUM HEATING AIRFLOW.

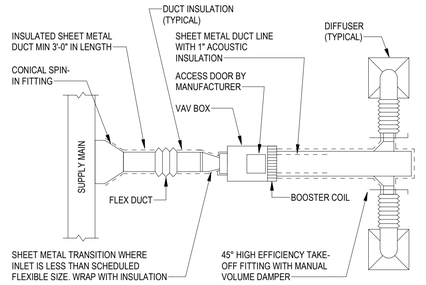
TAG	SERVED BY	INLET DIA.	MINIMUM AIRFLOW SETPOINTS	MAXIMUM AIRFLOW SETPOINTS		HOT WATER HEATING COIL									NOTES
			OCCUPIED (CFM)	COOLING (CFM)	HEATING (CFM)	CAPACITY (BTUH)	EAT (°F)	LAT (°F)	FLOW (GPM)	EWT (°F)	LWT (°F)	ROWS	WPD (FT-H2O)	APD (IN-WG)	FLUID TYPE	
VAV-01	(X)AHU	6"	80	180	150	7	55	99	0.7	180	160	1	0.3	0.04	WATER	--
VAV-02	(X)AHU	6"	100	360	200	9	55	95	0.9	180	160	1	0.4	0.1	WATER	--

EXISTING VAV BOX SCHEDULE

UNIT NO.	SERVICE	EXISTING CFM	NEW CFM	NEW MINIMUM CFM
(X)VAV-11	NOT IN SCOPE	585 CFM		
(X)VAV-12	365 AI, 365 AJ	330 CFM	290 CFM	100 CFM
(X)VAV-13	365AZ, 365 AM, 635 AD,	440 CFM	440 CFM	100 CFM
(X)VAV-14	NOT IN SCOPE	840 CFM		
(X)VAV-20	365 AX, 365 BJ	525 CFM	400 CFM	260 CFM
(X)VAV-21	365 BI, 365 BH, 365 BG	350 CFM	300 CFM	100 CFM



1 HOT WATER PIPING TO VAV BOX



NOTES:
1. DUCT CONNECTION TO BOX SHALL NOT HAVE ANY BENDS WITHIN THREE DUCT DIAMETERS UPSTREAM OF VAV BOX.
2. MAXIMUM LENGTH OF FLEXIBLE DUCT NOT TO EXCEED 6'-0" TO SUPPLY GRILLES, TYPICAL.
3. FLEXIBLE AIR DUCT CONNECTION NOT MANDATORY TO INLET TO NON-FAN POWERED BOXES, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0".
4. BRANCH DUCT SERVING AN INDIVIDUAL BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT AS SHOWN ON THE PLANS DOES NOT EXCEED 10'-0". FOR LARGER LENGTHS, INCREASE THE DUCT SIZE AND PROVIDE A DUCT TRANSITION TO MAINTAIN DUCT STATIC PRESSURE DROP AT OR BELOW 0.2"/100'.

2 TYPICAL VAV BOX INSTALLATION

4/26/2021 10:54:49 AM

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CHILD SUPPORT AGENCY
REMODEL - SUITE 365
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING, JR.
BLVD., MADISON, WI

DRAWING
MECHANICAL
SCHEDULES AND
DETAILS

DATE
08.20.20

M6.1

ABBREVIATIONS

A	AMP
ACT	ABOVE COUNTER TOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
AQ	AQUA-STAT
AS	AS SHOWN
AU	AT UNIT
B, JB	JUNCTION BOX
BCP	BOILER CONTROL PANEL
BD#	BUS DUCT, # INDICATES BUS DUCT DESIGNATION
BFG	BELOW FINISHED GRADE
BOL	BUILT-IN OVERLOAD
C	CONTACTOR
CB, C/B	CIRCUIT BREAKER(S)
CCB	COMBINATION CIRCUIT BREAKER FULL VOLTAGE STARTER
CDT	CONDUIT
CEF	CEILING EXHAUST FAN
CF	COMBINATION FUSIBLE FULL VOLTAGE STARTER
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CPT	CONTROL POWER TRANSFORMER
CS	COMBINATION STARTER
CU	COPPER
CUH	CABINET UNIT HEATER
D, DS	DISCONNECT SWITCH
DD	DOUBLE DUPLEX
DM	DOOR MANUFACTURER
DN	DOWN
DRWGS	DRAWINGS
EC	BY ELECTRICAL CONTRACTOR
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EM	EMERGENCY
EP	EXPLOSION PROOF
ER	EXISTING TO BE REMOVED
ERL	EXISTING RELOCATED (NEW LOCATION)
ET	ELAPSED TIMER
ETL	EXISTING TO BE RELOCATED (OLD LOCATION)
EUH	ELECTRIC UNIT HEATER
EWH	ELECTRIC WALL HEATER
EX	EXISTING TO REMAIN
F	FURNISHED BY
FS	FLOW SWITCH
FZS	FREEZE STAT
G, GFI	GROUND FAULT INTERRUPTER TYPE
GC	PROJECT GENERAL CONTRACTOR
GND, GRND	GROUND
GS	MAGNETIC STARTER
GV	GATE VALVE
H, HV	HEATING/VENTILATING CONTRACTOR
HOA	HAND/OFF/AUTO SELECTOR SWITCH
HP	HORSEPOWER
H/S	HORN/STROBE
I	INSTALLED BY
IG	ISOLATED GROUND
IL	INTERLOCK
IS	IN STARTER COVER
IU	IN UNIT
KS	KEY SWITCH
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LD	LOAD (KW OR HP)
LVT	LINE VOLTAGE THERMOSTAT (120V)
MCB	MAIN CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MLO	MAIN LUGS ONLY
MR#	MULTI-RECEPTACLE, # INDICATES MULTI-RECEPTACLE DESIGNATION
MS	MANUAL STARTER
MSB	MAIN SWITCHBOARD
MSP	MANUAL SWITCH WITH PILOT LIGHT
MT	EMPTY
MTD	MOUNTED
NC	NEAR CIRCULATOR (REFER TO HVAC & PLUMBING DRAWINGS FOR EXACT LOCATION.)
NIC	NOT IN CONTRACT
NP	NEAR PUMP (REFER TO HVAC & PLUMBING DRAWINGS FOR EXACT LOCATION.)
NTS	NOT TO SCALE
NU	NEAR UNIT (REFER TO HVAC & PLUMBING DRAWINGS FOR EXACT LOCATION.)
OOS	ON/OFF SWITCH
OU	ON UNIT
P#	PHOTOCELL, # INDICATES PHOTOCELL DESIGNATION
PBL	PUSH BUTTON WITH PILOT LIGHT
PBS	PUSH BUTTON STATION
PC	PLUMBING CONTRACTOR
PCP	PRE-WIRED CONTROL PANEL
PE	PNEUMATIC ELECTRIC SWITCH
PEC	PROJECT ELECTRICAL CONTRACTOR
PL	PILOT LIGHT
PRV	POWER ROOF VENTILATOR
PW	PART WINGING STARTER
R	RECEPTACLE
RAF	RETURN AIR FAN
RAI	REMAIN AS IS
RAT	REVERSE ACTING THERMOSTAT
RMN	EXISTING TO REMAIN
RMV	EXISTING TO BE REMOVED
RPL	EXISTING TO BE REPLACED
RVS	REDUCED VOLTAGE STARTER
S	STERILIZER
SAV	SOLENOID AIR VALVE
SC	STERILIZER CONTROLS
SF	SUPPLY FAN
SP	SHOCKPROOF
SPC	SPACE
SPR	SPARE
SPS	SELECTOR SWITCH
SS	SPEED SWITCH
S/S	SPEAKER/STROBE
SSP	START-STOP WITH PILOT LIGHT
STAT	THERMOSTAT
SVS	SUPERVISORY SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCH GEAR
TC	TIME CLOCK
TCC	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
TL#	TRACK LIGHT, # INDICATES TRACK LIGHT DESIGNATION
TO	TYPICAL OUTLET
TS	TAMPER SWITCH
TV	TELEVISION
UFD	UNDERFLOOR DUCT
UG	UNDERGROUND
UGD	UNDERGROUND DUCT
UH	UNIT HEATER
UO	UNIQUE OUTLET
UOI	UNLESS OTHERWISE INDICATED
USS	UNIT SUBSTATION
V	VENDOR SUPPLYING EQUIPMENT
W	WIRED BY
W/	WITH
WP	WEATHERPROOF
WT	WIRING TROUGH
XFMR	TRANSFORMER

FIRE ALARM SYMBOLS

- FACP — NEW FIRE ALARM CONTROL PANEL
- FACP — EXISTING FIRE ALARM CONTROL PANEL
- FAAP — NEW FIRE ALARM ANNUNCIATOR PANEL
- FAAP — EXISTING FIRE ALARM ANNUNCIATOR PANEL
- NEW FIRE ALARM PULL STATION 48" AFF
- EXISTING FIRE ALARM PULL STATION
- NEW (HORN/STROBE) (SPEAKER/STROBE) 80" AFF TO BOTTOM OF BOX OR 6" DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
- EXISTING (HORN/STROBE) (SPEAKER/STROBE)
- NEW PULL STATION WITH NEW (HORN/STROBE) (SPEAKER/STROBE) 80" AFF ABOVE
- EXISTING FIRE ALARM PULL STATION WITH EXISTING (HORN/STROBE) (SPEAKER/STROBE) ABOVE
- S — NEW (INTELLIGENT) (CONVENTIONAL) PHOTOELECTRIC SMOKE DETECTOR
- SER — NEW (INTELLIGENT) (CONVENTIONAL) PHOTOELECTRIC SMOKE DETECTOR FOR ELEVATOR RECALL
- SSC — NEW (INTELLIGENT) (CONVENTIONAL) PHOTOELECTRIC SMOKE DETECTOR SELF CONTAINED
- EXISTING (INTELLIGENT) (CONVENTIONAL) SMOKE DETECTOR
- H — NEW (INTELLIGENT) (CONVENTIONAL) 135°F FIXED & RATE OF RISE (15°F/M) (20°F/M) UNLESS NOTED ON THE PLANS
- EXISTING (INTELLIGENT) (CONVENTIONAL) HEAT DETECTOR
- DS — NEW (INTELLIGENT) (CONVENTIONAL) PHOTOELECTRIC DUCT SMOKE DETECTOR
- DS — EXISTING (INTELLIGENT) (CONVENTIONAL) DUCT SMOKE DETECTOR
- MM — NEW ADDRESSABLE MONITOR MODULE
- CM — NEW ADDRESSABLE CONTROL MODULE
- TS — NEW SPRINKLER TAMPER SWITCH (PROVIDE ADDRESSABLE MODULE)
- TS — EXISTING SPRINKLER TAMPER SWITCH
- FS — NEW SPRINKLER FLOW SWITCH (PROVIDE ADDRESSABLE MODULE)
- FS — EXISTING SPRINKLER FLOW SWITCH
- DH — NEW MAGNETIC DOOR HOLDER (SEN) SENTRONIC
- DH — EXISTING MAGNETIC DOOR HOLDER (SEN) SENTRONIC
- ES — NEW ELECTRIC DOOR STRIKE
- ES — EXISTING ELECTRIC DOOR STRIKE
- NEW FIRE ALARM STROBE - ADA RATED 80" TO BOTTOM OF BOX OR 6" DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
- NEW FIRE FIGHTER'S TELEPHONE JACK
- FSS — NEW FIRE SUPPRESSION CONTROL PANEL
- FSS — EXISTING FIRE SUPPRESSION CONTROL PANEL (CONNECT TO NEW SYSTEM)
- R — EXISTING (FAN SHUT DOWN) (OTHER) RELAY
- R — (FAN SHUT DOWN) (OTHER) RELAY
- J — JUNCTION BOX
- PE — PRESSURE SWITCH
- SD — SMOKE DAMPER
- RTS/I — REMOTE TEST SWITCH AND/OR INDICATOR

ELECTRICAL SYMBOLS

- INDUSTRIAL STRIP FIXTURE
- RECESSED, SURFACE OR PENDANT FIXTURE
- WALL BRACKET FIXTURE
- TRACK LIGHTING
- RECESSED FIXTURE
- SURFACE FIXTURE
- ♀ OR ◒ — WALLWASH FIXTURE
- WALL MOUNTED FIXTURE
- EMERGENCY BATTERY UNIT - CEILING MOUNTED
- EMERGENCY BATTERY UNIT - WALL MOUNTED
- MOUNTED EXIT SIGN - CEILING MOUNTED
- MOUNTED EXIT SIGN - WALL MOUNTED
- CEILING MOUNTED EXIT SIGN & EMERGENCY BATTERY COMBO UNIT - CEILING MOUNTED
- CEILING MOUNTED EXIT SIGN & EMERGENCY BATTERY COMBO UNIT - WALL MOUNTED
- CEILING FAN
- C — CONTACTOR
- TC — TIME CLOCK
- OS — OCCUPANCY SENSOR (AUTO OFF / AUTO FULL ON) - CEILING MOUNTED
- A OS — OCCUPANCY SENSOR (AUTO OFF / AUTO 50% ON) - CEILING MOUNTED
- VS — VACANCY SENSOR (AUTO OFF / MANUAL ON BY MANUAL SWITCH) - CEILING MOUNTED
- DS — DAYLIGHT SENSOR
- DO — DAYLIGHT SENSOR WITH OCCUPANCY SENSOR (AUTO OFF / AUTO FULL ON)
- (*) — SINGLE POLE TOGGLE SWITCH - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - (3) THREE WAY - (4) FOUR WAY - (K) KEY - (P) PILOT LIGHT - (OS) OCCUPANCY SENSOR (AUTO OFF / AUTO FULL ON) - (VS) VACANCY SENSOR (AUTO OFF / MANUAL ON)
- (*) — DUAL LEVEL SWITCH - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - (3) THREE WAY - (4) FOUR WAY - (K) KEY - (P) PILOT LIGHT - (OS) OCCUPANCY SENSOR (AUTO OFF / AUTO FULL ON) - (VS) VACANCY SENSOR (AUTO OFF / MANUAL ON)
- (*) — DIMMER SWITCH - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - (3) THREE WAY - (4) FOUR WAY - (OS) OCCUPANCY SENSOR (AUTO OFF / AUTO FULL ON) - (VS) VACANCY SENSOR (AUTO OFF / MANUAL ON)
- A (*) — LOW VOLTAGE SWITCH - SINGLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - ON/OFF PUSH BUTTON SWITCH WITH (OS) OCCUPANCY SENSOR (AUTO OFF / FULL ON) - (OSA) OCCUPANCY SENSOR (AUTO OFF / AUTO 50% ON) - (VS) VACANCY SENSOR (AUTO OFF / MANUAL ON)
- B (*) — LOW VOLTAGE SWITCH - SINGLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - ON/OFF/DIMMER PUSH BUTTON SWITCH WITH (OS) OCCUPANCY SENSOR (AUTO OFF / FULL ON) - (OSA) OCCUPANCY SENSOR (AUTO OFF / AUTO 50% ON) - (VS) VACANCY SENSOR (AUTO OFF / MANUAL ON)
- C# — LOW VOLTAGE SWITCH - SINGLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - 1 TO 4 ZONE(S) ON/OFF PUSH BUTTON SWITCH(ES) - NUMBER (#) INDICATES THE TOTAL NUMBER OF ZONES AND ON/OFF PUSH BUTTONS.
- D# — LOW VOLTAGE SWITCH - SINGLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - 1 TO 4 ZONE(S) ON/OFF/DIMMER PUSH BUTTON SWITCH(ES) - NUMBER (#) INDICATES THE TOTAL NUMBER OF ZONES AND ON/OFF/DIM PUSH BUTTONS.
- E — LOW VOLTAGE SWITCH - SINGLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - ON/OFF PUSH BUTTON WITH PRESET STEP LEVEL DIMMING
- F — LOW VOLTAGE SWITCH - SINGLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - ON/OFF/DIMMER PUSH BUTTON WITH PRESET 4 LEVEL DIMMING
- G — LOW VOLTAGE SWITCH - SINGLE OR DOUBLE GANG - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - TOUCH SCREEN GRAPHIC INTERFACE WITH MULTI-ZONE AND SCENE CONTROLS

- (*) / (*) — SWITCH AND DUPLEX RECEPTACLE - DOUBLE GANG BOX - MOUNT 48" ABOVE FLOOR TO TOP OF BOX - (3) THREE WAY - (4) FOUR WAY - (OS) OCCUPANCY SENSOR (AUTO OFF / AUTO FULL ON) - (VS) VACANCY SENSOR (AUTO OFF / MANUAL ON) - (GFI) GROUND FAULT CIRCUIT INTERRUPTER
- (*) — DUPLEX RECEPTACLE - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED - (GFI) GROUND FAULT CIRCUIT INTERRUPTER - (WP) WEATHER PROOF
- DOUBLE DUPLEX RECEPTACLE - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- (*) — DUPLEX RECEPTACLE - MOUNT HORIZONTAL ABOVE COUNTER - (GFI) GROUND FAULT CIRCUIT INTERRUPTER
- DOUBLE DUPLEX RECEPTACLE - MOUNT ABOVE COUNTER
- FB — FLOOR BOX
- PT — POKE-THRU
- DG — DEAD FRONT GFCI
- SPECIAL OUTLET
- MOTOR
- DISCONNECT SWITCH
- JUNCTION BOX
- PUSHBUTTON - MOUNT 48" TO TOP OF BOX
- MULTI-OUTLET ASSEMBLY
- SPD — SURGE PROTECTION DEVICE
- ELECTRICAL PANEL
- MGB — MAIN GROUND BUS
- TGB — TELECOM GROUND BUS
- TELEPHONE OUTLET - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX - (W) WALL PHONE MOUNT 48" TO TOP OF BOX (C) ABOVE COUNTER OR HEIGHT AS INDICATED
- VOICE/DATA OUTLET - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX (C) ABOVE COUNTER OR HEIGHT AS INDICATED
- VIDEO OUTLET - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX (C) ABOVE COUNTER OR HEIGHT AS INDICATED
- DATA OUTLET - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX (C) ABOVE COUNTER OR HEIGHT AS INDICATED
- WAP — WIRELESS ACCESS POINT
- TV — TELEVISION OUTLET - MOUNT 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- M — MICROPHONE JACK
- SPEAKER - CEILING MOUNT - FLUSH
- SPEAKER - CEILING MOUNT - SURFACE
- SPEAKER - WALL MOUNTED
- VE — VOICE EVACUATION SPEAKER
- ARA — AREA OF RESCUE ASSISTANCE DEVICE - (AP) ANNUNCIATOR PANEL (PH) PUSH FOR HELP (PS) POWER SUPPLY - SEE SECTION 27 41 00 AND RISER ON SHEET E***
- CLOCK - MOUNT 18" BELOW FINISHED CEILING OR HEIGHT INDICATED
- BELL
- DETAIL NUMBER
- NOTE OR DETAIL SYMBOL
- SHEET LOCATION

LIGHT FIXTURE SCHEDULE

DES	PERFORMANCE DATA		DESCRIPTION	LIGHT FIXTURE		VOLT	LED DRIVER		MOUNT	CEILING TYPE	DEPTH	OPTIONS / ACCESSORIES	ACCEPTABLE MANUFACTURERS	SEE NOTE
	LUMENS	SYSTEM WATTAGE		MANUFACTURER	CATALOG SERIES		INTEGRAL	REMOTE						
A	4000	51	LINEAR LED	AXIS	202LEDSL80/20-1000-90-35-PL-4-AP-UNV-DP-CT1536	120	X		P	LG	-			
B	3400	30	2X2 FLAT PANEL	METALUX	22CZ-LD5-34-UNV-L835-CD1-U	120	X		R	LG	2"			
C	800	102	LINEAR LED	AXIS	202LEDSL80/20-1000-90-35-PL-8-AP-UNV-DP-CT1536	120	X		P	LG	-			

NOTE: SEE SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION REGARDING FIXTURE AND INSTALLATION REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES REFERENCED BY THE COLUMN TITLED "OPTIONS / ACCESSORIES". MANUFACTURES LISTED AS ACCEPTABLE SHALL MEET ALL REQUIREMENTS AND FEATURES INDICATED. ACCEPTABLE MANUFACTURERS MUST MEET THE PHOTOMETRIC PERFORMANCE OF THE LISTED UNIT.

CEILING TYPE ABBREVIATIONS:

DW = DRYWALL
ES = EXPOSED STRUCTURE
LG = LAY-IN GRID
P = PENDANT
PL = PLASTER
PO = POLE
R = RECESSED
S = SURFACE
V = VARIES
W = WALL MOUNTED

ELECTRICAL SHEET INDEX

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210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
ELECTRICAL SYMBOLS,
ABBREVIATIONS AND SHEET
INDEX

DATE
08.20.20

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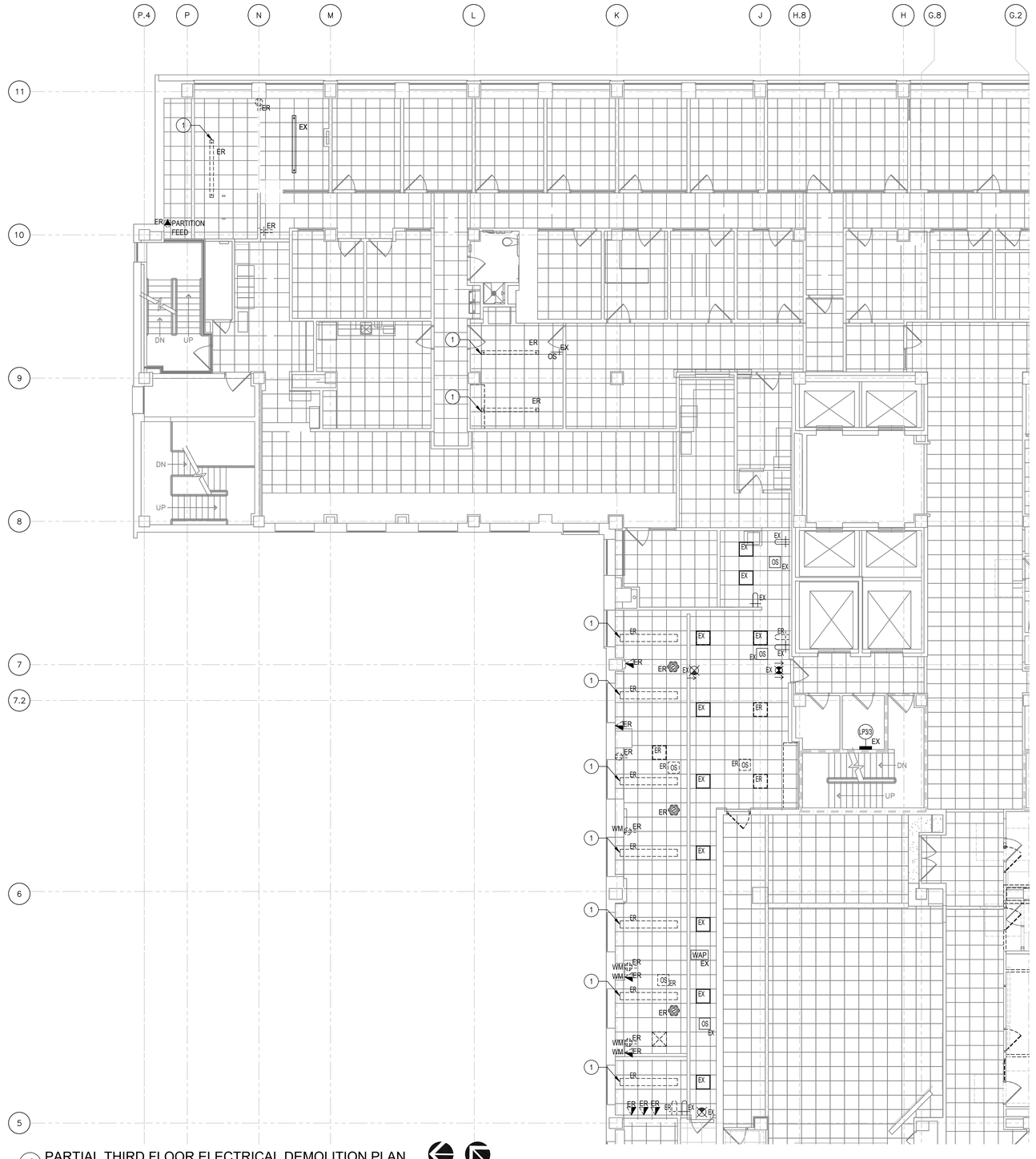
KEYED NOTES THIS SHEET

1 SALVAGE FOR REUSE.



1 PARTIAL THIRD FLOOR ELECTRICAL DEMOLITION PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

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PARTIAL THIRD FLOOR
ELECTRICAL DEMOLITION
PLAN

DATE

08.20.20

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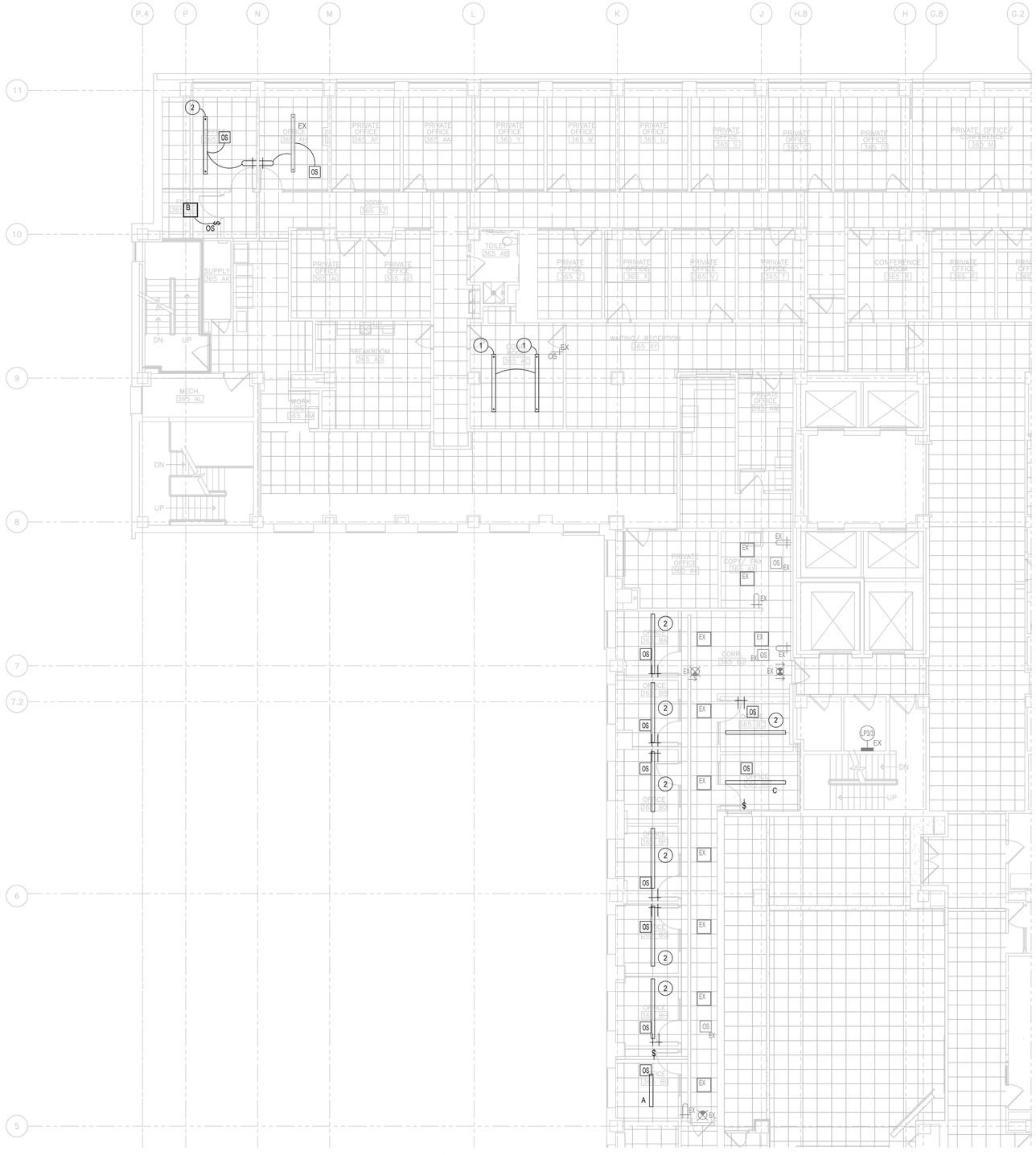
GENERAL NOTES

1. WIRE NEW LIGHTING TO EXISTING CIRCUITS SERVING AREA.

KEYED NOTES THIS SHEET

1. REINSTALL EXISTING FIXTURES ORIENTED EAST AND WEST.
2. SALVAGED FIXTURE REINSTALLED.



1 PARTIAL THIRD FLOOR LIGHTING PLAN
1/8"=1'-0"

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DRAWING
PARTIAL THIRD FLOOR
LIGHTING PLAN

DATE
08.20.20

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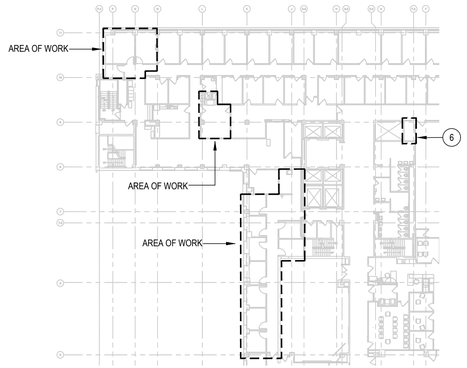

2 PARTIAL THIRD FLOOR TELECOM KEY PLAN
1/32"=1'-0"

PLAN NORTH

TRUE NORTH

KEYED NOTES THIS SHEET:

1. WIRE TO INDIVIDUAL CIRCUIT RELEASED BY DEMOLITION.
2. NEW HDMI FEMALE JACK FLUSH IN WALL.
3. 1-HDMI CABLE IN 1½" C.
4. TERMINATE HDMI CABLE ON FEMALE JACK IN PROJECTOR MOUNTING PLATE.
5. TERMINATE LOCAL RECEPTACLE CIRCUIT ON DUPLEX RECEPTACLE IN PROJECTOR MOUNTING PLATE.
6. EXISTING TELECOM ROOM SERVING PROJECT AREA. ADD 48 PORT PATCH PANEL IN EXISTING RACK AND TERMINATE ALL NEW CABLES ON IT.

PANEL LP3/3

225 AMPS MAIN LUG | 208Y/120 VOLT, THREE PHASE, FOUR WIRE | LOCATION: SEE PLAN

MOUNTING TYPE: SURFACE | SHORT CIRCUIT INTERRUPTING RATING: 10 K.A.I.C

CIRCUIT BKR.		LOAD DESCRIPTION	LOAD TYPE	CIRCUIT	#	PHASE LOADS A	B	C	#	CIRCUIT	LOAD TYPE	LOAD DESCRIPTION	CIRCUIT BKR.	
AMPS	POLES			WATTS						WATTS			AMPS	POLES
20	1	5 RECEPTACLES	R	1000	1	0			2					
20	1	6 RECEPTACLES	R	1200	3		0		4					
20	1	6 RECEPTACLES	R	1200	5			0	6					
20	1	4 RECEPTACLES	R	800	7	0			8					
20	1	7 RECEPTACLES	R	1400	9		0		10					
					11			0	12					
					13	0			14					
					15		0		16					
					17			0	18					
					19	0			20					
					21		0		22					
					23			0	24					
					25	0			26					
					27		0		28					
					29			0	30					
					31	0			32					
					33		0		34					
					35			0	36					
					37	0			38					
					39		0		40					
					41			0	42					
						0	0	0				PANEL TOTAL LOAD =	0.0	KW
													0.0	AMP

NOTES:

1) SHARED NEUTRALS ARE NOT ACCEPTABLE THOUGHOUT THIS PROJECT. EACH BREAKER MUST HAVE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT.
2) ADD BREAKERS IN EXISTING SQUARE D NQOB PANEL.
3) XXX

1 PARTIAL THIRD FLOOR POWER/SYSTEMS PLAN
1/8"=1'-0"

PLAN NORTH

TRUE NORTH

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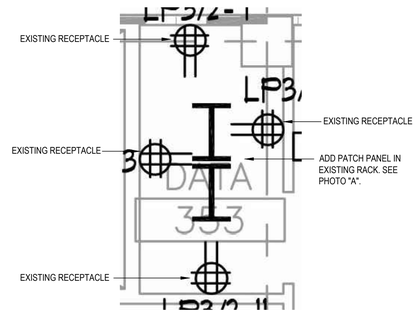
DRAWING

PARTIAL THIRD FLOOR
POWER/SYSTEMS PLAN

DATE

08.20.20

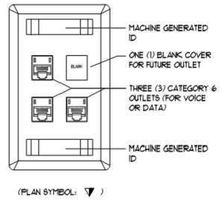
E1.2



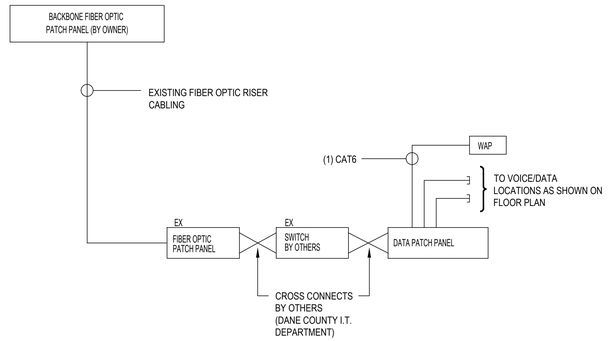
3 EXISTING TELECOM ROOM
N/A

2 PHOTO "A"
N/A

1 PHOTO "B"
N/A



5 TYPICAL WORKSTATION DATA OUTLET DETAIL
N/A



4 DATA RISER DIAGRAM - CAT 6 PERFORMANCE
N/A

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ISSUED

ISSUED FOR BID 04.27.21

Dane County Dept. of Public Works
Highway and Transportation
Bid No. 320028

PROJECT
CHILD SUPPORT AGENCY REMODEL – SUITE 365
CITY–COUNTY BUILDING
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

DRAWING
ELECTRICAL DETAILS

DATE
08.20.20

E1.3