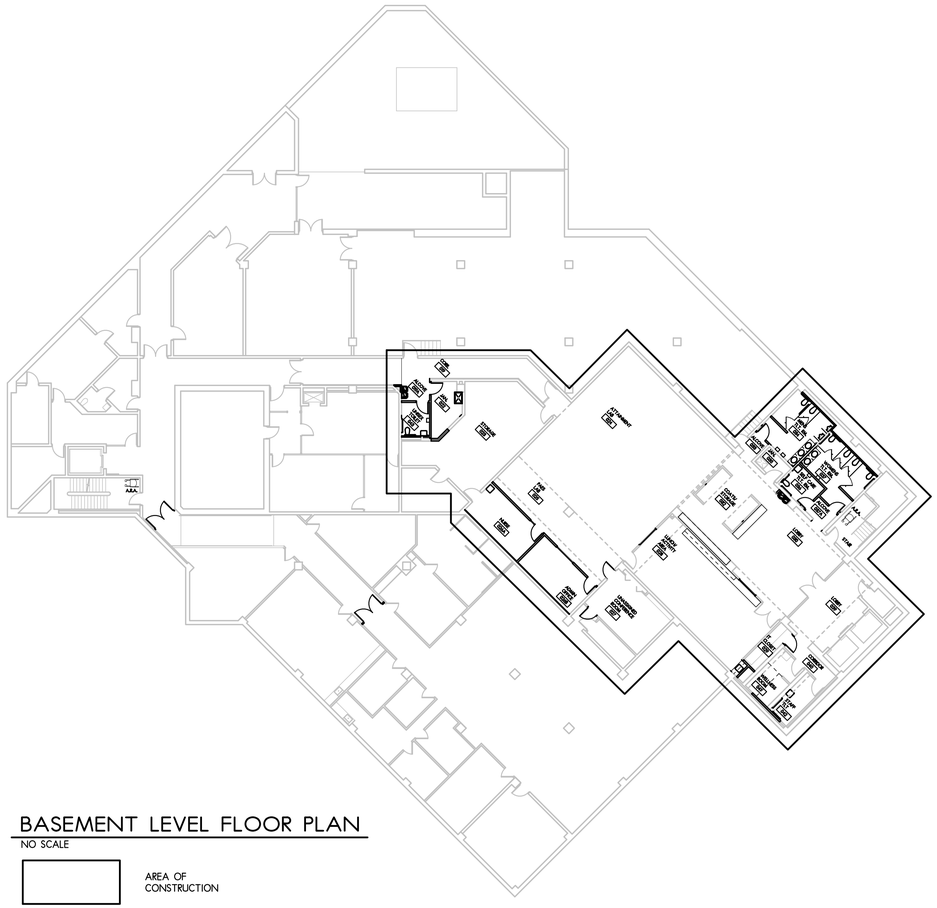
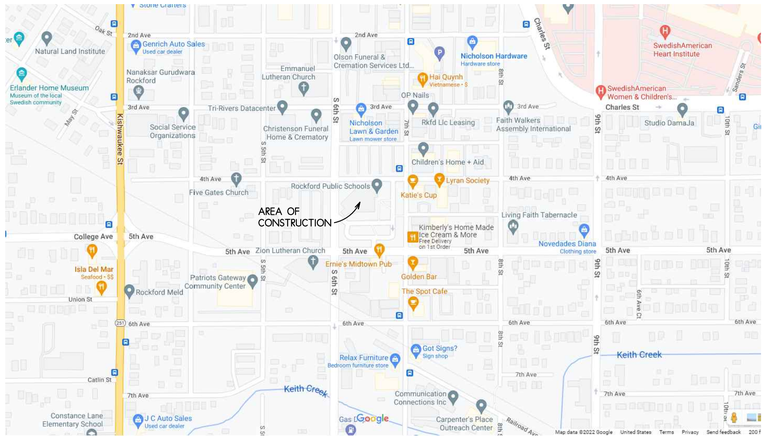


BASEMENT LEVEL FLOOR PLAN
NO SCALE

AREA OF CONSTRUCTION



Project Location Map

IFB 22-49 P2112

ADMIN. BSMT. RENOVATION FOR :

RPS DIST. 205

501 7TH ST. RKFD. IL. 61104

Larson & Darby Group
Architecture Engineering Interiors

CONSTRUCTION DOCUMENTS
APRIL 13, 2022

Larson & Darby Group
Architecture Engineering Interiors

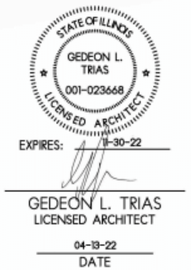
AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN: JWI | CHK'D: PAW | APPRV'D: GT

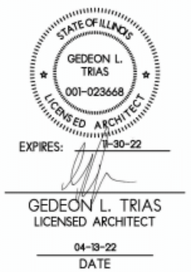
DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER CS

PROJECT TEAM



ARCHITECTURAL

LARSON & DARBY GROUP
4949 HARRISON AVENUE SUITE 100
ROCKFORD, ILLINOIS 61108
PHONE: 815 484-0739
IL. DESIGN FIRM NO.: 184.000280-0007



INTERIORS

LARSON & DARBY GROUP
4949 HARRISON AVENUE SUITE 100
ROCKFORD, ILLINOIS 61108
PHONE: 815 484-0739
IL. DESIGN FIRM NO.: 184.000280-0007

PLUMBING

CS2 DESIGN GROUP, LLC
837 OAKTON STREET
ELK GROVE VILLAGE, ILLINOIS 60007
IL. DESIGN FIRM NO.: 184.001565

FIRE PROTECTION

CS2 DESIGN GROUP, LLC
837 OAKTON STREET
ELK GROVE VILLAGE, ILLINOIS 60007

HVAC

CS2 DESIGN GROUP, LLC
837 OAKTON STREET
ELK GROVE VILLAGE, ILLINOIS 60007
IL. DESIGN FIRM NO.: 184.001565

ELECTRICAL

CS2 DESIGN GROUP, LLC
837 OAKTON STREET
ELK GROVE VILLAGE, ILLINOIS 60007
IL. DESIGN FIRM NO.: 184.001565

SHEET INDEX

COMPLIANCE STATEMENT

I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT [410 ILCS 25] AND THE ILLINOIS ACCESSIBILITY CODE, [71 IL. ADM. CODE 400). ADA HAS NEITHER A SUBMITTAL REVIEW, NOR AN INSPECTION PROCESS TO INTERPRET DISABILITY LAWS. AS PART OF THE CIVIL RIGHTS ACT AND NOT A CODE. ADA COMPLIANCE CAN NOT BE CERTIFIED. TO THE BEST OF MY ABILITY AND KNOWLEDGE, I HAVE INTERPRETED AND ATTEMPTED TO COMPLY WITH ALL ADA STANDARDS, 42 U.S.C. SECTION 12101 ET SEQ. THIS IS PERCEIVED COMPLIANCE, NOT CERTIFICATION.

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
JWI	PAW	GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER G0.1

ABBREVIATIONS

A

AB	ANCHOR BOLT
ACCU	AIR COOLED CONDENSING UNIT
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE, ADJACENT
A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL, ALUM	ALUMINUM
ALR	ARCHITECTURAL LOUVER
ALT	ALTERNATE
AMP	AMPERE
ANOD	ANODIZE, ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE, APPROXIMATELY
ARCH	ARCHITECT
ASC	ABOVE SUSPENDED CEILING
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
AWI	ARCHITECTURAL WOODWORKING INSTITUTE
AWP	ACOUSTIC WALL PANEL
AWS	AMERICAN WELDING SOCIETY

B

B&B	BALLED & BURLAPPED
BB	BALL BEARING
BFF	BELOW FINISHED FLOOR
BIT	BITUMINOUS
BLDG	BUILDING
BM	BEAM, BENCHMARK
BP	BASE PLATE, BEARING PLATE
BRG	BEARING
BSMT	BASEMENT
BTR	BETTER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
BTWN	BETWEEN

C

CB	CATCH BASIN, CERAMIC BASE, CHALKBOARD
CBB	CEMENTITIOUS BACKER BOARD
CC	CUBICLE CURTAIN
CD	COILING DOOR
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CI	CAST IRON, CURB INLET
CIP	CAST IRON PIPE, CAST-IN-PLACE
CJ	CONSTRUCTION JOINT, CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLL	CONTRACT LIMIT LINE
CLR	CLEAR
COMP	COMPOSITE, COMPUTER
CM	CASEWORK/MILLWORK
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, CARBON MONOXIDE, CASED OPENING
COL	COLUMN
CONC	CONCRETE
COND	CONDENSER, CONDITION
CONF	CONFERENCE
CONN	CONNECT, CONNECTION
CONT	CONTINUE, CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CP	CONCRETE PIPE, CONTROL PANEL
CPT	CARPET
CPTT	CARPET TILE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CSR	CLOSET SHELF & ROD
CT	CERAMIC TILE, CURRENT TRANSFORMER
CTR	CENTER
CTRL	CONTROL
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CUH	CABINET UNIT HEATER
CUV	CABINET UNIT VENTILATOR
CW	COLD WATER, CLOCKWISE
CYL	CYLINDER

D

D	DEEP, DEPTH, PENNY (NAIL)
DAT	DATUM
dB	DECIBEL
D-B	DESIGN-BUILD
DBL	DOUBLE
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLISH, DEMOLITION, DEMONSTRATION
DET	DETAIL
DFT	DRY FILM THICKNESS
DHI	DOOR HARDWARE INSTITUTE
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DL	DEAD LOAD
DR	DOOR, DRAIN
DS	DOWNSPOUT
DT	DRAIN TILE
DW	DOMESTIC WATER, DISHWASHER
DWG	DRAWING
DWV	DRAIN, WASTE, & VENT

E

E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE, EXHAUST FAN
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMER, ELASTOMERIC
ELEC	ELECTRIC, ELECTRICAL
EM	ENTRANCE MAT
EMER	EMERGENCY

E, cont.

EMT	ELECTRICAL METALLIC TUBING
ENAM	ENAMEL
EP	EPOXY
EPL	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPS	EPANDED POLYSTYRENE BOARD (INSULATION)
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPAND, EXPANSION, EXPOSED
EXT	EXTERIOR
EXV	EXHAUST VENT

F

F	FAHRENHEIT
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FID	FIRE DAMPER
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER & BRACKET
FEC	FIRE EXTINGUISHER & CABINET
FF&E	FURNITURE, FURNISHINGS, & EQUIPMENT
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FIN	FINISH, FINISHED
FIN FLR	FINISHED FLOOR
FL	FLUSH
FLA	FULL LOAD AMPS
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL
FR	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FRG	FIBER REINFORCED GYPSUM
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT, FEET
FTG	FOOTING
FTR	FIN TUBE REGISTER
FURN	FURNISH, FURNITURE
FV	FLUSH VALVE
FWC	FABRIC WALLCOVERING

G

G	GUTTER, NATURAL GAS
GA	GAGE
GAL	GALLON
GALV	GALVANIC, GALVANIZE, GALVANIZED
GALV STL	GALVANIZED STEEL
GB##	GRAB BAR (LENGTH IN INCHES)
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFRC	GLASS FIBER-REINFORCED CONCRETE
GFRG	GLASS FIBER-REINFORCED GYPSUM
G/DS	GUTTER / DOWNSPOUT
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GUT	GUTTER
GWH	GAS-FIRED WATER HEATER
GWB	GYPSUM WALLBOARD
GYP	GYPSUM

H

H	HIGH
HB	HOSE BIBB
HC	HANDICAP, HANDICAPPED
HD JT	HEAD JOINT
HDWR	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR, HANDRAIL
HS	HIGH STRENGTH, HEAT-STRENGTHENED (GLASS)
HT	HEIGHT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HW	HOT WATER

I

IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER, INSIDE DIMENSION
INCAND	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATE, INSULATION
INT	INTERIOR
INV	INVERT
INV EL	INVERT ELEVATION

J

JAN	JANITOR
JAN CLO	JANITOR CLOSET
J-BOX	JUNCTION BOX

K

KD	KILN DRIED, KNOCKED DOWN
KIP	THOUSAND POUNDS
KIP FT	THOUSAND POUND - FEET
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kW	KILOWATT
kWh	KILOWATT HOUR

L

L	ANGLE
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
LED	LIGHT EMITTING DIODE
LF	LINEAL FEET (FOOT)
LKR/#	LOCKER/QUANTITY
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LAUNDRY TRAY
LTG	LIGHTING
LVT	LUXURY VINYL TILE

M

M	MINUTE, MINUTES
MATL	MATERIAL
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MB	MOP BASIN
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLR	MECHANICAL LOUVER
MO	MASONRY OPENING, MECHANICAL OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MWP	METAL WALL PANEL

N

N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NM	NON METALLIC
NO	NUMBER
NOM	NOMINAL
NRP	NON-REMOVABLE PIN (HINGES)
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER, OUTSIDE DIMENSION
OH DR	OVERHEAD DOOR
OPNG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
OS	OVERFLOW SCUPPER

P

P	PAINT
PC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
PCP	PORTLAND CEMENT PLASTER
PE	PROFESSIONAL ENGINEER
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER, PLASTIC
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLY	PLYWOOD
PNL	PANEL
POLY	POLYETHYLENE
PORC	PORCELAIN
POS	POSITIVE
PP	PUSH/PULL
PP PL	PUSH/PULL PLATE
PPM	PARTS PER MILLION
PPT	PRESERVATIVE PRESSURE TREATED
PR	PAIR
PRE	POWER ROOF EXHAUSTER, PREFINISHED
PREFAB	PREFABICATE, PREFABRICATED
PREP	PREPARE, PREPARATION
PREV	PREVIOUS
PROD	PRODUCT, PRODUCTION
PROJ	PROJECT
PRV	POWER ROOF VENTILATOR, PRESSURE REDUCING VALVE, PRESSURE REGULATOR VALVE, PRESSURE RELIEF VALVE
PS	PULL STATION
PSC	PROJECTION SCREEN, CEILING MOUNTED
PSW	PROJECTION SCREEN, WALL MOUNTED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTD/W	PAPER TOWEL DISPENSER WITH WASTE RECEPTACLE
PTN	PARTITION
PV	PLUMBING VENT
PVC	POLYVINYL CHLORIDE
PWR	POWER

Q

QRTZ	QUARTZ
QRY	QUARRY
QT	QUARRY TILE

R

R	RADIUS, RISER, THERMAL RESISTANCE
RA	RETURN AIR
RB	RUBBER BASE
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
RECPT	RECEPTACLE
REF	REFERENCE, REFRIGERATOR
REFL	REFLECT, REFLECTED
REINF	REINFORCE, REINFORCED, REINFORCING
REM	REMOVABLE
REQD	REQUIRED
REV	REVISE, REVISED, REVISION
RFM	RECESSED FLOOR MAT
RM	ROOM
RO	ROUGH OPENING
RT	RUBBER TILE
RTG	RATING
RTU	ROOFTOP UNIT
RWP	ROOF WALKWAY PADS/PAVERS

S

S	SOUTH
SA	SUPPLY AIR
SAD	SUPPLY AIR DIFFUSER
SALV	SALVAGE
SAN	SANITARY
SC	SOLID CORE
SCONC	SEALED CONCRETE
SCHED	SCHEDULE
SCMU	SOLID CONCRETE MASONRY UNIT
SD	SOAP DISPENSER
SDI	STEEL DECK INSTITUTE
SE	STRUCTURAL ENGINEER
SECT	SECTION
SF	SQUARE FOOT (FEET)
SHT	SHEET
SJI	STEEL JOIST INSTITUTE
SKY	SKYLIGHT
SND	SANITARY NAPKIN DISPENSER
SNDL	SANITARY NAPKIN DISPOSAL
SPEC	SPECIFICATION
SPF	SPRUCE-PINE-FIR
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SRD	SECONDARY ROOF DRAIN
SSM	SOLID SURFACE MATERIAL
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STL JST	STEEL JOIST
STL PL	STEEL PLATE
STRUCT	STRUCTURAL
SUH	SUSPENDED UNIT HEATER
SUSP	SUSPENDED
SV	SHEET VINYL
SWS	SHELVING WITH STANDARDS
SYM	SYMBOL
SYMM	SYMMETRICAL

T

T	TREAD
TB	TACK BOARD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TERR	TERRAZZO
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
THK	THICK, THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TI	TAPERED INSULATION
TLP	TOILET PARTITION
TLT	TOILET
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE, TOP OF CURB
TOF	TOP OF FLOOR
TOJ	TOP OF JOIST
TOS	TOP OF SLAB
TOW	TOP OF WALL
TS	TUBE STEEL
TSTAT	THERMOSTAT
TTB	TELEPHONE TERMINAL BOARD
TTD	TOILET TISSUE DISPENSER
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL

U

UC	UNDERCUT
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UV	ULTRAVIOLET

V

V	VOLT
VA	VOLT AMPERE
VAV	VARIABLE AIR VOLUME
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VET	VINYL ENHANCED TILE
VFD	VARIABLE FREQUENCY DRIVE
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VOC	VOLATILE ORGANIC COMPOUND
VOL	VOLUME
VR	VAPOR RETARDER
VS	VENT STACK
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING

W

W	WEST, WASTE, WATT, WIDE
W/	WITH
W/O	WITHOUT
WB	WHITEBOARD
WC	WATER CLOSET, WATER COLUMN
WCO	WALL CLEANOUT
WD	WOOD
WG	WALL GUARD
WH	WALL HUNG, WALL HYDRANT, WATER HEATER
WI	WROUGHT IRON
WM	WATER METER
WO	WALK OFF CARPET TILE
WP	WATERPROOFING, WEATHERPROOF, WORKING POINT
WR	WATER REPELLANT, WEATHER RESISTANT
WV	WOOD VENEER
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WWR	WELDED WIRE REINFORCING

X

XFER	TRANSFER
XFMR	TRANSFORMER
XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)

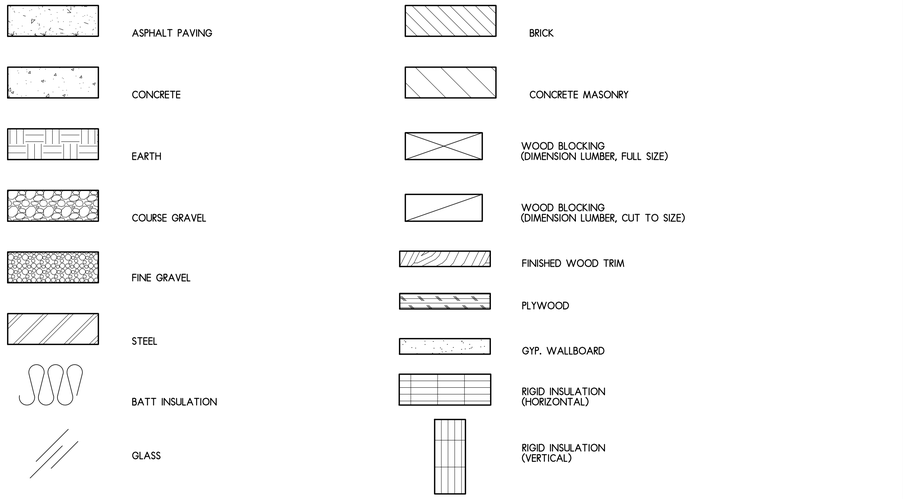
Y

YCO	YARD CLEANOUT
YD	YARD
YR	YEAR

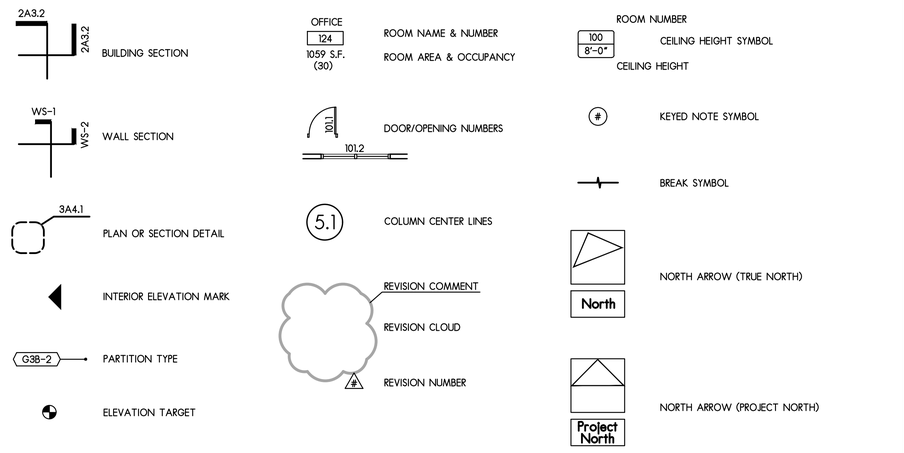
SYMBOLS

±	PLUS OR MINUS
#	ROUND, DIAMETER
⊡	SQUARE
℄	CENTERLINE
E	PLATE

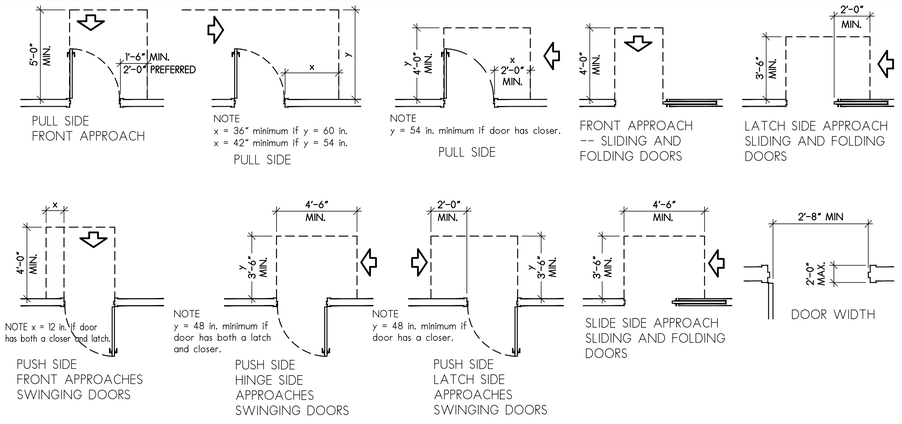
MATERIAL SYMBOLS



SHEET SYMBOLS



ACCESSIBILITY CLEARANCES



DOOR CLEARANCES

NOT TO SCALE

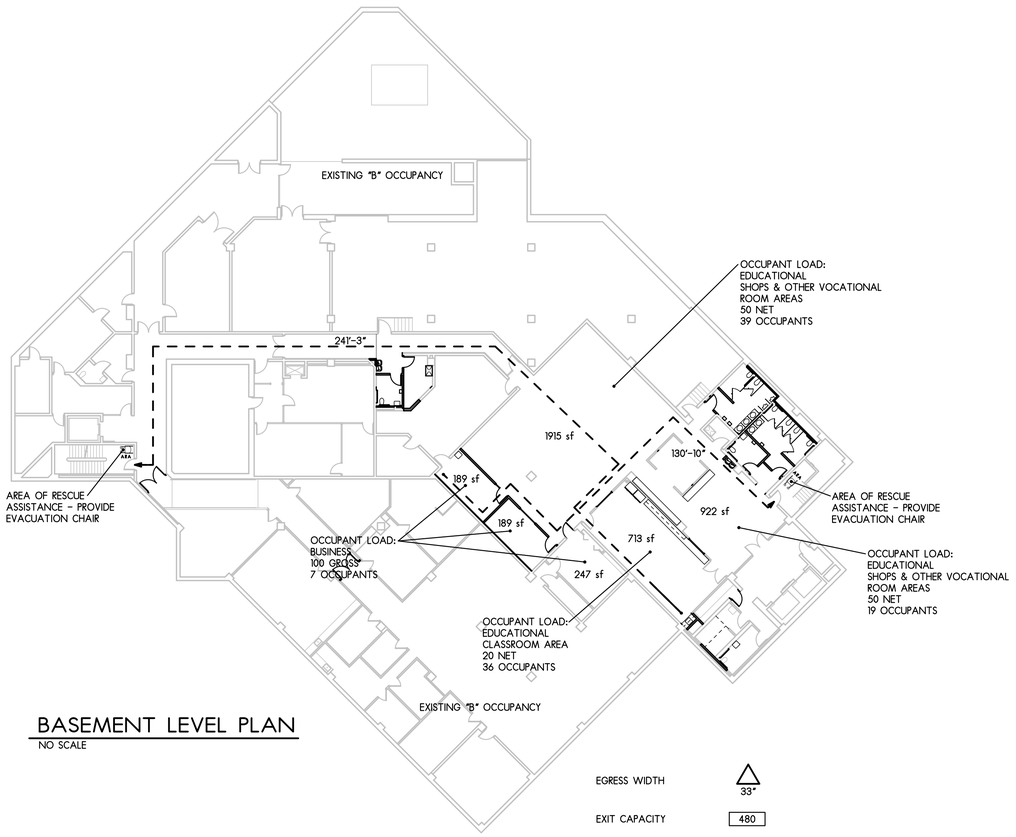
Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

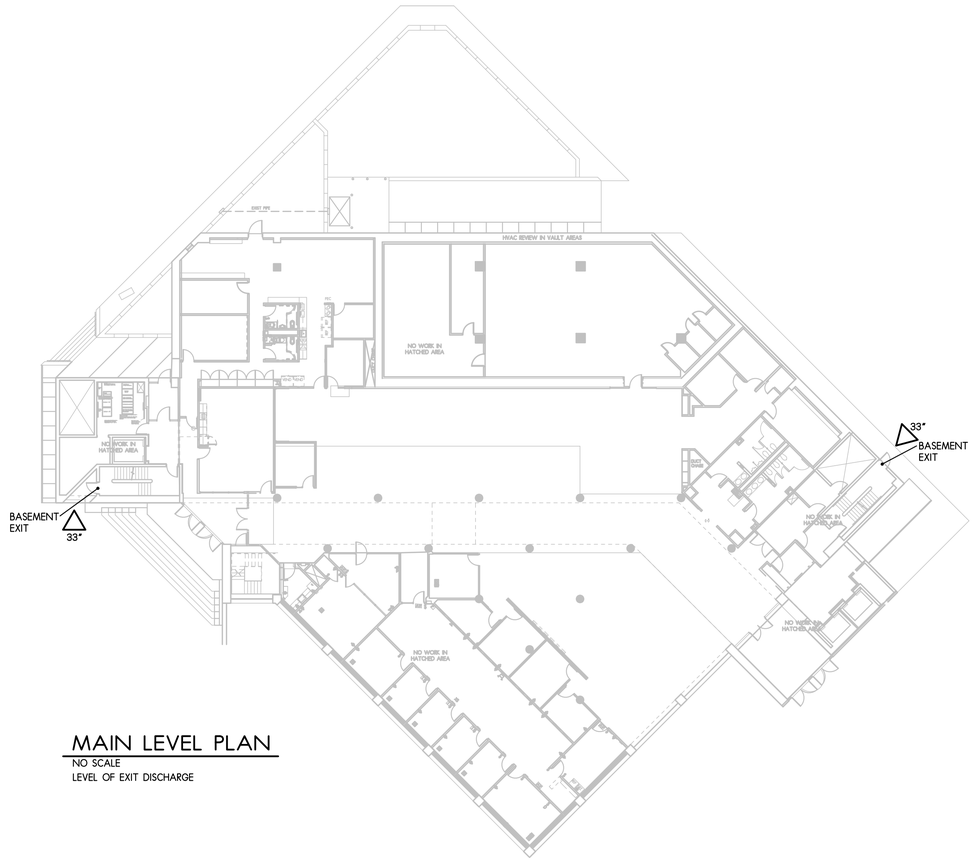
DRWN:	CHK'D:	APPRV'D:
JWI	PAW	GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER G0.2



BASEMENT LEVEL PLAN

NO SCALE



MAIN LEVEL PLAN

NO SCALE
LEVEL OF EXIT DISCHARGE

EGRESS WIDTH △ 33"

EXIT CAPACITY 480

TRAVEL DISTANCE 250' (MAX)

FIRE RATED WALLS & CODE REVIEW PLAN

SCALE: 1" = 20'

North

CODE SUMMARY

Applicable Codes: 2015 International Existing Building Code (IEBC) w/ local amendments
2015 International Building Code (IBC) w/ local amendments
2015 International Fire Code (IFC) w/ local amendments
2015 International Mechanical Code (IMC) w/ local amendments
2015 International Fuel Gas Code (IFGC) w/ local amendments
2014 NFPA 70 National Electrical Code (NEC) w/ local amendments
2014 IDPH Illinois Plumbing Code (IPC) w/ local amendments
2018 Illinois Accessibility Code (IAC)
2010 ADA Standards for Accessible Design

Classification of Work: Alteration - Basement Level

Use & Occupancy Class: Non-Separated Mixed Use: B & E (Business and Educational)
(IBC Chapter 3)

Type of Construction: IIA (noncombustible, protected)
(IBC Chapter 6)

Actual Area: 28,748 s.f. Basement footprint
Area of Work: 6,332 s.f.< 50% of floor area

Fire and Smoke Protection Features:
(IBC Chapter 7)
Shaft Ratings (IBC 713.4):
Elevator shaft: < 7 stories 1 hr.
Stair shafts: < 7 stories 1 hr.
Other shafts (for ducts): < 7 stories 1 hr. (IBC 717.6.3 fill annular space)
Elevators and Conveying Systems:
(IBC Chapter 30)
Elevator Machine Room (IBC 3005.4): 1 hr.
Fire Protection Systems:
(IBC Chapter 9)
Fire Suppression: Facility is fully sprinklered.
Means of Egress:
(IBC Chapter 10)
Exit Access Travel Distance (IBC Table 1017.2)
with Sprinkler System: 300'
Corridor Fire-resistance Ratings (IBC Table 1020.1)
with Sprinkler System: 0 hr.

Design Occupant Load:
(IBC Chapter 10)
Maximum Floor Area Allowances per Occupant (Table 1004.1.2)
E (Educational - Classrooms) 20 net
E (Educational - Shops & Vocation) 50 net
B (Business) 100 gross
Occupant Load Calculation:
B (Business) & E (Educational) See calculations on drawing above = 101 occupants

Means of Egress Sizing:
(IBC Section 1005)
Stairways: 0.3 inches / occupant
other egress components: 0.2 inches / occupant
Egress Width Required: 101 occupants x 0.2 = 21 inches
Actual Width Provided: See drawing above

Minimum Number of Plumbing Fixtures by Illinois Plumbing Code Section 890.810 (INCLUDES AREAS OF ALTERNATES)

Occupancy	Floor Area per Person	Number of Persons for Fixture Design
Schools - Secondary	50 sf/ person	6,332 sf / 50 sf per person = 127 People

Minimum Number of Plumbing Fixtures by Illinois Plumbing Code Appendix A, Table B

Type of Occupancy	Schools - Student Use: Secondary						
	64	64	Number of Fixtures Required		Number of Fixtures Provided		
	Male	Female	Male	Female	Male	Female	Unisex
Water Closets (Fixtures per person)	1 per 40	1 per 20	2 WCs	4 WCs	2 WCs	4 WCs	3 WCs
Urinals (Fixtures per person)	Male 1 per 40		2 Urinals		2 Urinals		
Lavatories (Fixtures per person)	Male 1 per 40	Female 1 per 40	2 Lavatories	2 Lavatories	2 Lavatories	2 Lavatories	3 Lavatories
Drinking Fountains (Fixtures per person)	1 per 75		2 Drinking Fountains		4 Drinking Fountains		
Other Fixtures (Fixtures per person)	1 service sink per floor and kitchen area		1 Service Sink		2 Service Sinks		

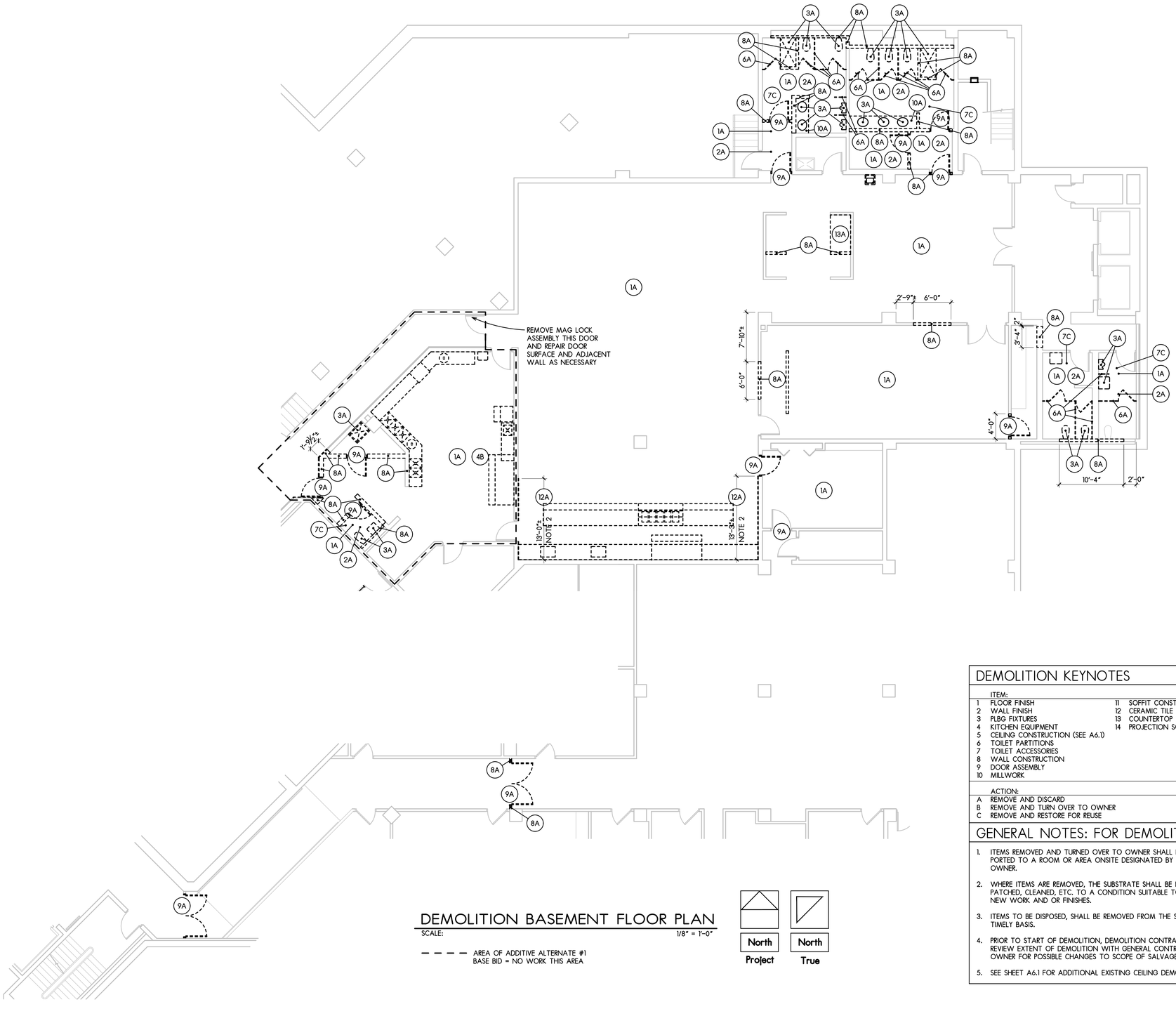
Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
JWI	PAW	GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER G0.3



DEMOLITION BASEMENT FLOOR PLAN

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

– – – – AREA OF ADDITIVE ALTERNATE #1
BASE BID = NO WORK THIS AREA

North Project

North True

DEMOLITION KEYNOTES

	ITEM:		
1	FLOOR FINISH	11	SOFFIT CONSTRUCTION
2	WALL FINISH	12	CERAMIC TILE
3	PLBG FIXTURES	13	COUNTERTOP CONSTR.
4	KITCHEN EQUIPMENT	14	PROJECTION SCREEN
5	CEILING CONSTRUCTION (SEE A6.1)		
6	TOILET PARTITIONS		
7	TOILET ACCESSORIES		
8	WALL CONSTRUCTION		
9	DOOR ASSEMBLY		
10	MILLWORK		

	ACTION:
A	REMOVE AND DISCARD
B	REMOVE AND TURN OVER TO OWNER
C	REMOVE AND RESTORE FOR REUSE

GENERAL NOTES: FOR DEMOLITION

1. ITEMS REMOVED AND TURNED OVER TO OWNER SHALL BE TRANSPORTED TO A ROOM OR AREA ONSITE DESIGNATED BY THE OWNER.
2. WHERE ITEMS ARE REMOVED, THE SUBSTRATE SHALL BE REPAIRED, PATCHED, CLEANED, ETC. TO A CONDITION SUITABLE TO RECEIVE NEW WORK AND OR FINISHES.
3. ITEMS TO BE DISPOSED, SHALL BE REMOVED FROM THE SITE ON A TIMELY BASIS.
4. PRIOR TO START OF DEMOLITION, DEMOLITION CONTRACTOR TO REVIEW EXTENT OF DEMOLITION WITH GENERAL CONTRACTOR / OWNER FOR POSSIBLE CHANGES TO SCOPE OF SALVAGE / RE-USE.
5. SEE SHEET A6.1 FOR ADDITIONAL EXISTING CEILING DEMOLITION.

DEMOLITION BASEMENT FLOOR PLAN

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

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

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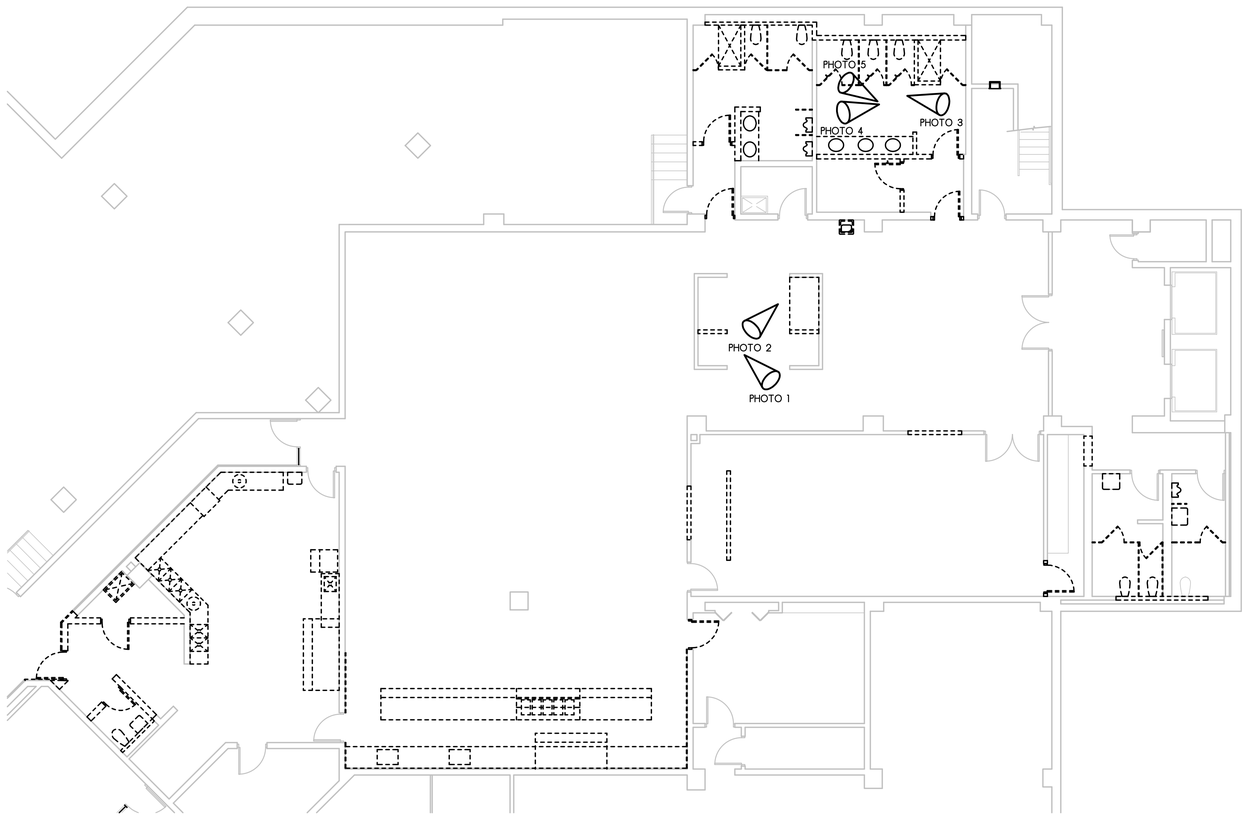
DRWN:	CHK'D:	APPRV'D:
JWI	PAW	GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER D1.1



PHOTOS
DEMOLITION BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

North Project

North True

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

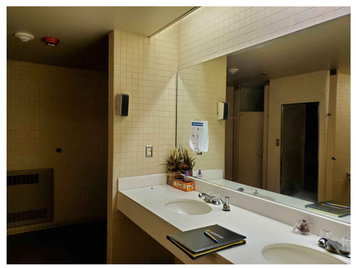


PHOTO 5

DEMOLITION PHOTOS
BASEMENT FLOOR PLAN

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

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205
501 7TH ST. ROCKFORD, ILLINOIS 61104
IFB 22-49 P2112

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
JWI	PAW	GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER D1.2

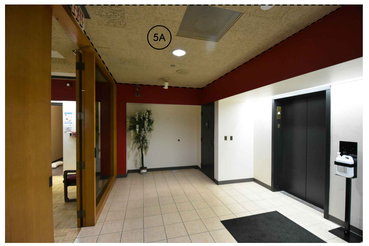


PHOTO 1

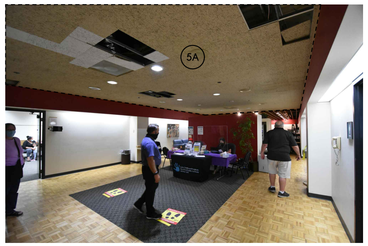
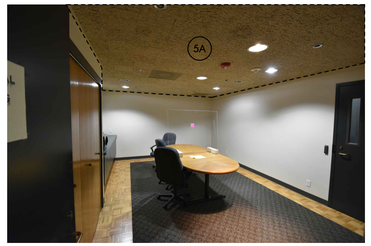


PHOTO 2

PHOTO 3



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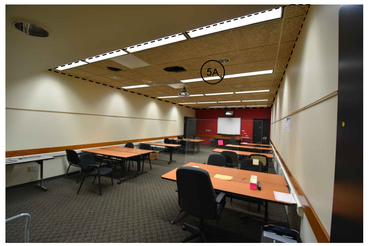

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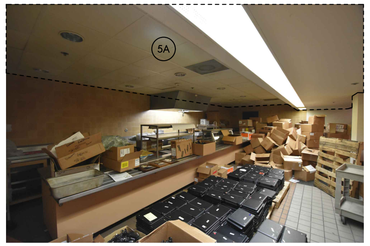


PHOTO 6

PHOTO 7

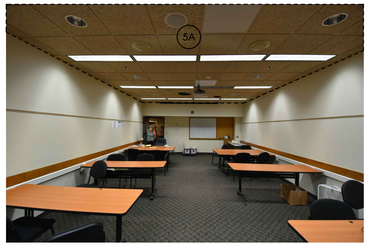
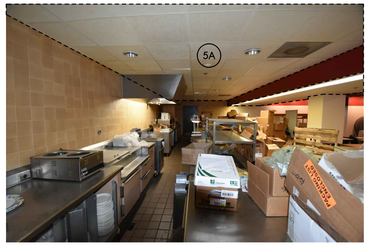


PHOTO 8

PHOTO 9



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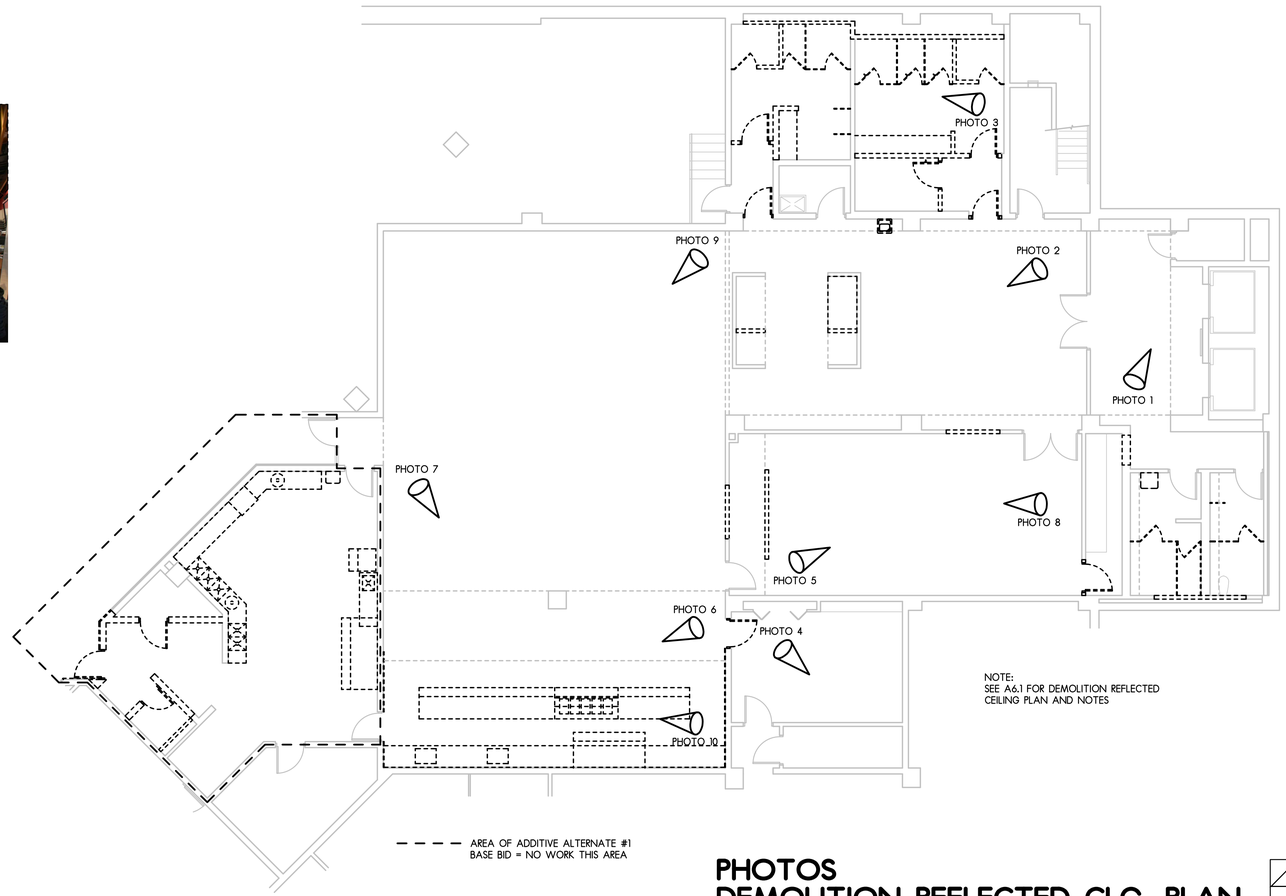


DEMOLITION REFLECTED CEILING
SCALE: 1/8" = 1'-0"

PHOTOS
DEMOLITION REFLECTED CLG. PLAN
SCALE: 1/8" = 1'-0"

North
Project

North
True

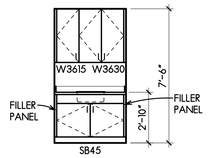
Larson & Darby Group
Architecture Engineering Interiors

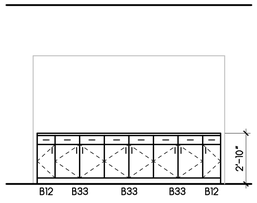
RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
AN ADMIN. BASEMENT
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN: JWI | CHK'D: PAW | APPRVD: GT

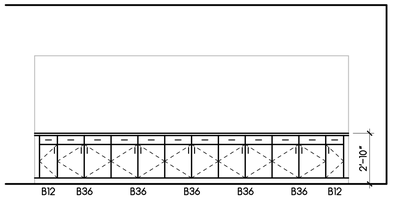
DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER D1.3





LUNCH 028 – EAST

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

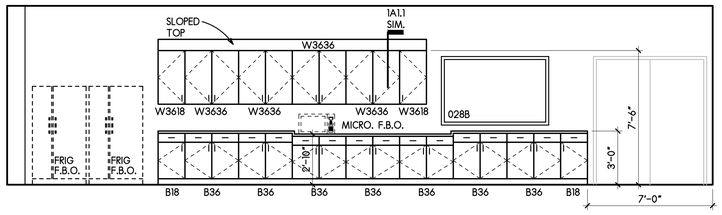


LOBBY 030 – WEST

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

LOBBY 030 – SOUTH

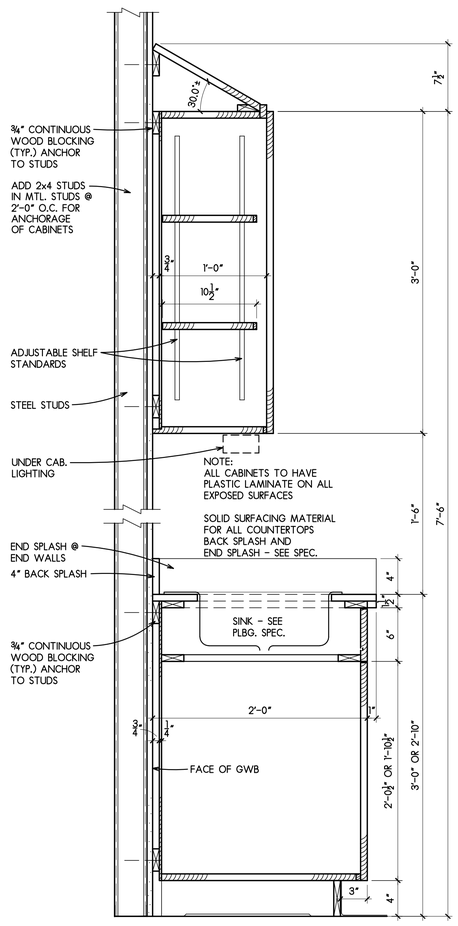
SCALE: 1/4" = 1'-0"



LUNCH 028 – NORTH

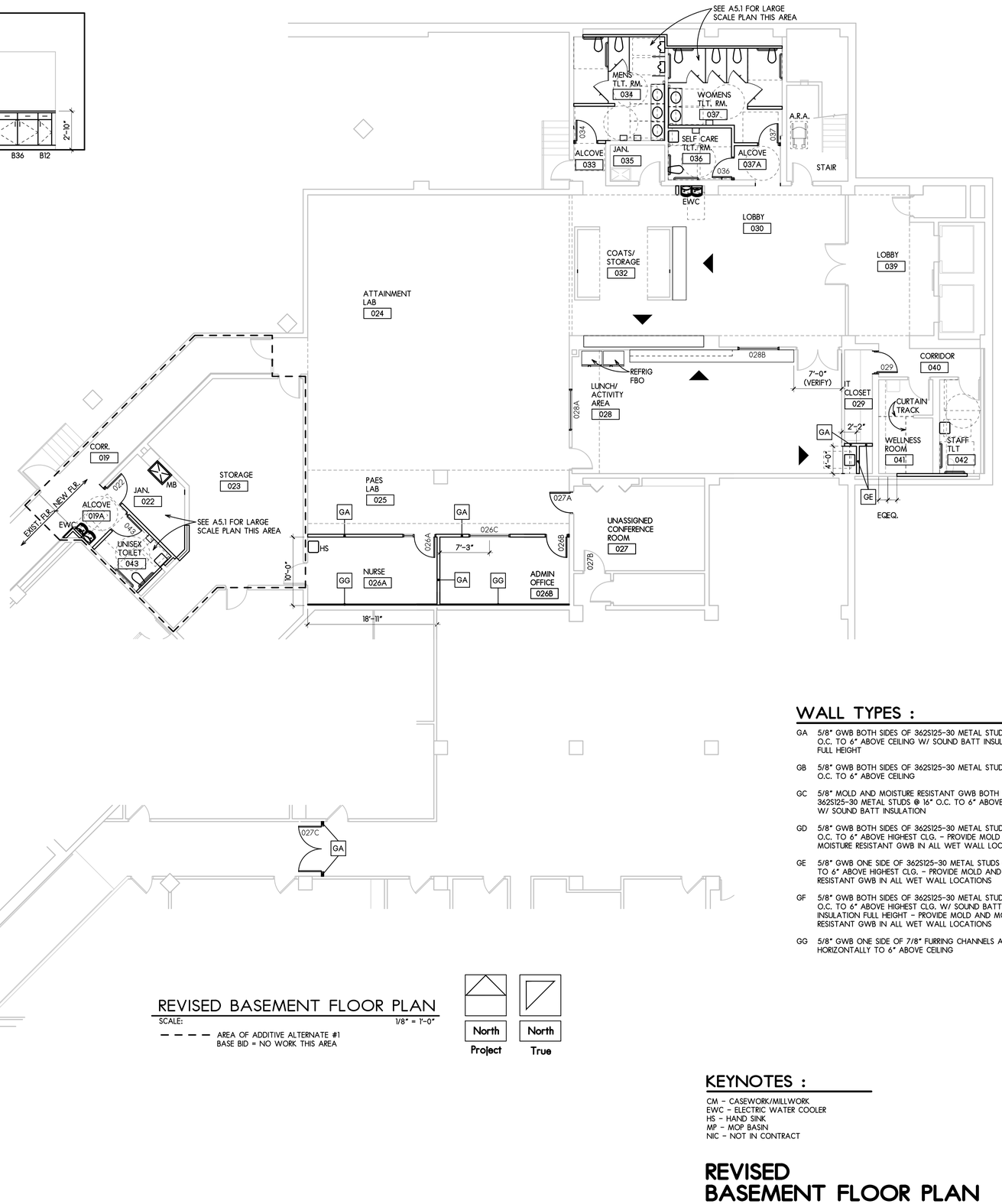
SCALE: 1/4" = 1'-0"

CABINETS TO HAVE PLASTIC LAMINATE FINISH ON ALL EXPOSED SURFACES WITH SOLID SURFACE COUNTERTOPS AND MALAMINE FINISH ON ALL INTERIOR SURFACES PER RPS STANDARDS



1 CABINET SECTION

SCALE: 1½" = 1'-0"



REVISED BASEMENT FLOOR PLAN

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

– – – – AREA OF ADDITIVE ALTERNATE #1
BASE BID = NO WORK THIS AREA

North Project

North True

WALL TYPES :

GA 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING W/ SOUND BATT INSULATION FULL HEIGHT

GB 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING

GC 5/8" MOLD AND MOISTURE RESISTANT GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING W/ SOUND BATT INSULATION

GD 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE HIGHEST CLG. - PROVIDE MOLD AND MOISTURE RESISTANT GWB IN ALL WET WALL LOCATIONS

GE 5/8" GWB ONE SIDE OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE HIGHEST CLG. - PROVIDE MOLD AND MOISTURE RESISTANT GWB IN ALL WET WALL LOCATIONS

GF 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE HIGHEST CLG. W/ SOUND BATT INSULATION FULL HEIGHT - PROVIDE MOLD AND MOISTURE RESISTANT GWB IN ALL WET WALL LOCATIONS

GG 5/8" GWB ONE SIDE OF 7/8" FURRING CHANNELS AT 16" O.C. HORIZONTALLY TO 6" ABOVE CEILING

KEYNOTES :

CM - CASEWORK/MILLWORK
EWC - ELECTRIC WATER COOLER
HS - HAND SINK
MP - MOP BASIN
NIC - NOT IN CONTRACT

REVISED BASEMENT FLOOR PLAN

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

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR: DATE

DRWN: JWI CHK'D: PAW APPR'D: GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER A1.1

OPENING SCHEDULE

DOOR							FRAME					FIRE RTG	NOTES	HARDWARE				
OPNG NO	TYPE	MATL	FINISH SIDE 1	FINISH SIDE 2	PR	SIZE	TYPE	MATL	FINISH SIDE 1	FINISH SIDE 2	DETAILS	DR.& FR.	REFERENCE NOTES	HANG DEVICE	SECURE DEVICE	EXIT DEVICE	CLOSE DEVICE	MISC
BASEMENT LEVEL																		
022	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	ADD ALT 1	HH	ST	–	–	–
026A	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	4	HM	PT3	PT3	J1 H1	–	–	HH	OF	–	–	W
026B	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	OF	–	–	W
026C	–	–	–	–	–	–	2	HM	PT3	PT3	J2 H2	–	–	–	–	–	–	–
027A	N1	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	OF	–	CL	–
027B	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	ES	ERE	CL	CR W
027C	F	HM	PT3	PT3	PR	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	–	(2) ECVREN	CL	W
027D	F	HM	PT3	PT3	PR	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	–	(2) ECVREN	CL	W
028A	–	–	–	–	–	–	2	HM	PT3	PT3	J2 H2	–	–	–	–	–	–	–
028B	–	–	–	–	–	–	2	HM	PT3	PT3	J2 H2	–	–	–	–	–	–	–
029	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	3	HM	PT3	PT3	J3 H3	–	–	HH	ST	–	–	W
034	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	DCDL	–	CL	FH PLL PSP W
036	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	PR	–	CL	FH W
037	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	–	HH	DCDL	–	CL	FH PLL PSP W
043	F	HM	PT3	PT3	–	3'-0"x7'-0"x1¾"	1	HM	PT3	PT3	J1 H1	–	ADD ALT 1	HH	PR	–	CL	FH W

OPENING SCHEDULE ABBREVIATIONS

CD	COILING DOOR	M	MINUTES
EXIST	EXISTING	MATL	MATERIAL
FR	FRAME	MIN	MINIMUM
GL	GLASS	MTL	METAL
HDWR	HARDWARE	OH	OVERHEAD DOOR
HM	HOLLOW METAL	PR	PAIR
HR	HOUR	RTG	RATING

HARDWARE GENERAL NOTES

1. ALL DOORS SHALL BE HUNG ON FULL MORTISE BUTT HINGES UNLESS NOTED OTHERWISE.
2. ALL DOORS SHALL HAVE SILENCERS, EXCEPT DOORS WHICH HAVE WEATHERSTRIPPING OR SOUND SEALS.
3. REFER TO DOOR HARDWARE SECTION IN PROJECT MANUAL FOR PRODUCT TYPES AND OPTIONS.
4. ALL NEW DOOR SLABS TO BE MEDIUM OAK STAIN.
5. ALL DOOR HARDWARE TO BE BRONZE TO MATCH EXISTING.

HARDWARE LEGEND

HANGING DEVICES:

HE	HINGE – ELECTRIFIED
HG	HINGE – GEAR (CONTINUOUS) TYPE
HH	HINGE – HEAVY WEIGHT BALL BRG.
HR	HINGE – REGULAR NON-BALL BRG.
HS	HINGE – SPRING TYPE
PV	PIVOT

SECURING DEVICES:

AFB	AUTOMATIC FLUSH BOLTS WITH COORDINATOR & DUST PROOF STRIKE
CL	LOCKSET, CLASSROOM FUNCTION
DCDL	DOUBLE CYLINDER DEADLOCK
DL	DEADLOCK
DLN	NARROW STILE DEADLOCK
DT	DUMMY TRIM
EM	LOCKSET, ELECTROMECHANICAL
EN	LOCKSET, ENTRANCE FUNCTION
ES	ELECTRIC STRIKE
FB	FLUSH BOLTS WITH DUST PROOF STRIKE
MAG	LOCK, ELECTROMAGNETIC
OF	LOCKSET, OFFICE FUNCTION
PR	LOCKSET, PRIVACY FUNCTION
PA	LATCHSET, PASSAGE FUNCTION
ST	LOCKSET, STOREROOM FUNCTION

EXIT DEVICES:

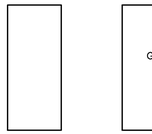
ECVREN	CONCEALED VERTICAL ROD, ENTRANCE FUNCTION
ECVREO	CONCEALED VERTICAL ROD, EXIT ONLY FUNCTION (ETC, FOR OTHER FUNCTIONS)
ECVRP	CONCEALED VERTICAL ROD, PASSAGE FUNCTION
ERE	RIM, ENTRANCE FUNCTION
EREO	RIM, EXIT ONLY FUNCTION (ETC, FOR OTHER FUNCTIONS)
EVRP	EXPOSED VERTICAL ROD, PASSAGE FUNCTION

CLOSING DEVICES:

ACL	AUTOMATIC RELEASED
CCL	OVERHEAD CONCEALED
CL	OVERHEAD EXPOSED
FCL	FLOOR, RECESSED

MISCELLANEOUS HARDWARE ITEMS:

AP	ARMOR PLATES
BF	BI-FOLD DOOR HARDWARE SET
CATCH	OVERHEAD MAGNETIC CATCHES
CR	CARD READER
DC	DRIP CAP
DV	DOOR VIEWER
EG	EDGE GUARDS
F	FLOOR STOP
FH	FLOOR HOLDER
KP	KICK PLATES
MAG	MAGNETIC DOOR HOLDER
O	OVERHEAD SURFACE-MOUNTED SLIDE STOP
PLL	PULL BAR
PSB	PUSH BAR
PSP	PUSH PLATE
SL	SLIDING DOOR HARDWARE SET
SND	SOUND SEALS, INCL. AUTOMATIC DOOR BOTTOM
THR	THRESHOLD
W	WALL-MOUNTED BUMPER-STOP
WTHR	WEATHERSTRIPPING, INCLUDING BOTTOM SWEEP



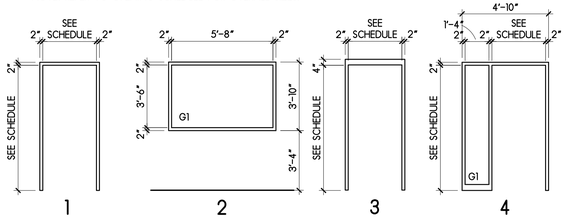
GLASS TYPES

G1 1/4" TEMPERED GLASS

DOOR TYPES

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

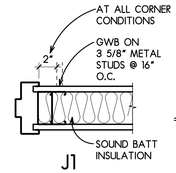
NOTE: REFER TO OPENING SCHEDULE FOR OVERALL SIZES.

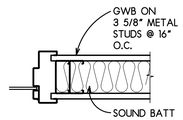


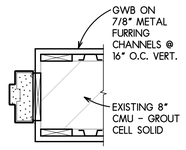
FRAME TYPES

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

NOTE: REFER TO OPENING SCHEDULE

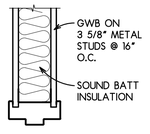


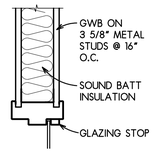


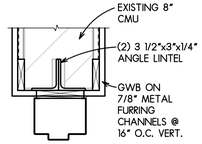


JAMB DETAILS

SCALE: 1½" = 1'-0"







HEAD DETAILS

SCALE: 1½" = 1'-0"

GENERAL NOTES: ROOM FINISH SCHEDULE

1. REFER TO THE PROJECT MANUAL FOR ALL PAINT TYPES & SYSTEM SPECIFICATIONS.
2. REFER TO THE MATERIAL AND RESOURCES LEGENDS FOR MATERIAL INFORMATION. REFER TO THE PROJECT MANUAL FOR ADDITIONAL PRODUCT INFORMATION, INSTALLATION REQUIREMENTS, PRODUCT & PROJECT SPECIFIC INSTRUCTIONS.
3. REFER TO INTERIOR "I" DRAWINGS FOR SPECIFIC FINISH MATERIAL APPLICATIONS AND INSTALLATION NOTES.
4. REFER TO MILLWORK ELEVATIONS, SECTIONS AND DETAILS FOR LOCATIONS OF SPECIFIC MILLWORK FINISHES.
5. ALL METAL DOORS/FRAMES/WINDOW FRAMES SHALL BE PAINTED PT3 UNLESS NOTED OTHERWISE.
6. FINISHED HEIGHT OF NEW FLOORING IN DIFFERENT MATERIALS SHALL MATCH IN HEIGHT AND SHALL NOT REQUIRE A TRANSITION PIECE OR THRESHOLD. FLOORING INSTALLER SHALL USE FLOOR LEVELING COMPOUND AS REQUIRED TO ACHIEVE A SAME HEIGHT TRANSITION.
7. ALL FLOORING TRANSITIONS SHALL BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION U.N.O.
8. PROVIDE SCHLUTER TRIM FOR INSIDE AND OUTSIDE CORNERS AT CT1 AND CT2.
9. PROVIDE SCHLUTER METAL FLOOR TRANSITION AT DOORWAYS CT-F1 TO OTHER FLOORING
10. MATERIAL DESIGNATIONS AND NUMBERING AS PER RPS STANDARDS. SOME HAVE BEEN SKIPPED AS NOT USED IN THIS PROJECT.
11. CC1 AND CCTS1 IN WELLNESS ROOM 041.

RESOURCE LEGEND		
PRODUCT/MANUFACTURER	CONTACT NAME	CONTACT INFORMATION
AMERICAN OLEAN	ELLIE CAMERON	630.624.661l; ECAMERON@AOMIDWEST.COM
ARMSTRONG CEILING	TRISH ALBERTINI	312.405.9871; TALBERTINI@ARMSTRONGCEILINGS.COM
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SHERWIN WILLIAMS	SUSAN SIENKOWSKI	312.656.0622; SUSAN.E.SIENKOWSKI@SHERWIN.COM
USG	JENNIFER FRIEDLAND	312.480.6825; JFRIELAND@USG.COM
WILSONART	TRACY VALLE	312.493.59756; TRACYVALLE@AETNAPLYWOOD.COM;

ROOM FINISH SCHEDULE–BASE BID

ROOM NO.	NAME	FLOOR MATL	BASE	WALL FINISH N	S	E	W	CABS	CNTR	CLGS. MATL	NOTES
BASEMENT LEVEL											
019	CORRIDOR	EX	EX	EX	EX	EX	–			–	BASE BID – NO WORK THIS AREA
019A	ALCOVE	EX	EX	EX	EX	EX	–			EX	BASE BID – NO WORK THIS AREA
022	JANITOR	EX	EX	EX	EX	EX	EX			EX	BASE BID – NO WORK THIS AREA
023	STORAGE	EX	EX	EX	EX	EX	EX			EX	BASE BID – NO WORK THIS AREA
024	ATTAIN. LAB	LVT3,4,5	WB2	PT1	–	PT1,2	PT1,5			ACP1	–
025	PAES LAB	LVT3,4,5	WB1	–	PT1	PT1	PT1,5			ACP1	–
026A	NURSE	LVT1	WB2	PT1	PT4	PT1	PT1			ACP2	–
026B	ADMIN OFFICE	CPTT1	WB2	PT1	PT2	PT1	PT1			ACP1	–
027	CONF ROOM	CPTT1	WB2	PT1	PT1	PT4	PT1			ACP1	–
028	LUNCH	LVT3,4,5	WB2	PT2	PT1	PT1	PT1	PL1	SSM1	ACP1	–
029	IT CLOSET	LVT1	WB2	PT1	PT1	PT1	PT1			ACP1	–
030	LOBBY	LVT1,2	WB2	PT1	PT1	PT1	PT2	PL1	SSM1	ACP1	–
032	COATS/STOR.	LVT2	WB2	PT2,4,5,7	PT2,4,5,7	PT2,4,5,7	PT2,4,5,7			–	–
033	ALCOVE	LVT1	WB2	PT1	PT1	PT1	PT1			ACP1	–
034	MEN'S TLT.	CT-F1	CTB1	CT2	CT1,2	CT1,2	CT1,2	PL1	SSM1	ACP2	–
035	JANITOR	S CONC	WB2	PT1	PT1	PT1	PT1			ACP2	–
036	TLT. RM.	CT-F1	CTB1	CT2	CT1,2	CT1,2	CT1,2			ACP2	–
037	WOMEN'S TLT.	CT-F1	CTB1	CT2	CT1,2	CT1,2	CT1,2	PL1	SSM1	ACP2	–
037A	ALCOVE	LVT1	WB2	PT1	PT1	PT1	PT1			ACP1	–
039	LOBBY	LVT1,2	WB2	PT1	PT1	PT1	PT1			ACP1	–
040	CORRIDOR	LVT1	WB2	PT1	PT1	PT1	PT1			ACP1	–
041	WELLNESS RM.	LVT1	WB2	PT1	PT1	PT1	PT4			ACP2	–
042	STAFF TLT.	CT-F1	CTB1	CT1,2	CT2	CT1,2	CT1,2			ACP2	–
043	UNISEX TLT.	EX	EX	EX	EX	EX	EX			EX	BASE BID – NO WORK THIS AREA

ROOM FINISH SCHEDULE–ALTERNATE 1

ROOM NO.	NAME	FLOOR MATL	BASE	WALL FINISH N	S	E	W	CABS	CNTR	CLGS. MATL	NOTES
BASEMENT LEVEL											
019	CORRIDOR	LVT1	WB2	EX	EX	EX	EX			EX	ALT1
019A	ALCOVE	LVT1	PT1	PT1	PT1	PT1	–			ACP1	ALT1
022	JANITOR	SC	WB2	PT1	PT1	PT1	PT1			ACP2	ALT1
023	STORAGE	SC	WB2	PT1	PT1	PT1	PT1			ACP1	ALT1
043	UNISEX TLT.	CT-F1	CTB1	CT1,2	CT1,2	CT2	CT1,2			ACP2	ALT1

FINISH MATERIAL LEGEND					
CODE	MATERIAL	MANUFACTURER	PRODUCT NO.	DESCRIPTION	REMARKS
PT1	PAINT	SHERWIN WILLIAMS	SW7015	COLOR: REPOSE GRAY	MAIN WALL
PT2	PAINT	SHERWIN WILLIAMS	SW7610	COLOR: TURKISH TILE	ACCENT
PT3	PAINT	SHERWIN WILLIAMS	SW7018	COLOR: DOVETAIL	HOLLOW METAL DOORS, WINDOWS, FRAMES
PT4	PAINT	SHERWIN WILLIAMS	SW6178	COLOR: CLARY SAGE	ACCENT
PT5	PAINT	SHERWIN WILLIAMS	SW6642	COLOR: RHUMBA ORANGE	ACCENT
PT7	PAINT	SHERWIN WILLIAMS	SW7757	COLOR: HIGH REFLECTIVE WHITE	GWB SOFFITS, ACCENT
CPTT1	CARPET TILE	SHAW	ANALOG TILE #5T126	COLOR: #26500 FILTER	18" X 36"; INSTALLATION METHOD HORIZONTAL ASHLAR
LVT3	LUXURY VINYL TILE	SHAW	AMALGAM 4113V	COLOR: 13530 FAULT	20" X 20" X 5MM; INSTALLATION METHOD HORIZONTAL ASHLAR
LVT4	LUXURY VINYL TILE	SHAW	AMALGAM 4113V	COLOR: 13506 ORE	20" X 20" X 5MM; INSTALLATION METHOD HORIZONTAL ASHLAR
LVT5	LUXURY VINYL TILE	SHAW	AMALGAM 4113V	COLOR: 13114 UNCOVER	20" X 20" X 5MM; INSTALLATION METHOD HORIZONTAL ASHLAR
WB2	VINYL WALL BASE	ROPPE	STANDARD TOE	COLOR: 195 LIGHT GRAY	4" HIGH; WALL BASE BY OWNER
CT1	CERAMIC TILE	DAL TILE	RITTENHOUSE	COLOR: 0190 ARCTIC WHITE	3" X 6" GLOSS; PATTERN: RUNNING BOND/BRICK
CT2	CERAMIC TILE	DAL TIILE	RITTENHOUSE	COLOR: X114 DESERT GRAY	3" X 6" GLOSS; PATTERN: RUNNING BOND/BRICK
CTB1	CERAMIC TILE-BASE	DAL TILE	RITTENHOUSE	COLOR: X114 DESERT GRAY	3" X 6" GLOSS; STRAIGHT BASE; PATTERN: RUNNING BOND/BRICK
CT-F1	PORCELAIN TILE	AMERICAN OLEAN	LAUREL HEIGHTS	COLOR: LH99 CHARCOAL CREST	12" X 24" INSTALLATION METHOD: STRAIGHT STACK
GR1	GROUT	TEC	908	COLOR: DOVE GREY	FOR CT1, CT2 AND CTB1
GR2	GROUT	TEC	927	COLOR: LIGHT PEWTER	FOR CT-F1
SSM1	SOLID SURFACE MATERIAL	LG HAUSYS	HI-MACS	COLOR: G004 WHITE QUARTZ	PROFILE: EASED WITH WHITE INTEGRAL ADA OVAL SINKS
PL1	PLASTIC LAMINATE	WILSONART	–	COLOR: #1500-60 GREY	MATTE FINISH
CC1	CUBICLE CURTAIN	DL COUCH SOURCE ONE	CAUSEWAY CCU-02	COLOR: SUMMER SHOWER	72" W; 100% POLYESTER FR; NFPA 701; WHITE MESH
CCTS1	CUBICLE CURTAIN TRACK SYSTEM	INPRO-CLICKEZE	NANOTRAC CUBICLE SYSTEM	COLOR: WHITE	1/2" H X 5/8" W; 8' AND 16' LENGTHS; CARRIERS, WANDS AND COMPONENTS
TP1	TOILET PARTITION	ASI ACCURATE	POWDER COATED STEEL	COLOR: 990 LIGHT GREY	MATTE FINISH; FLOOR MOUNTED OVERHEAD BRACED; 72"; NO-VIEW
ACP1	ACOUSTIC CEILING PANEL	ARMSTRONG CEILING	FINE FISSURED; #1717	COLOR: WHITE	2'x2'; ANGLED TEGULAR 15/16; GRID: PRELUDE XL 15/16" EXPOSED TEE- WHITE
ACP1-TR	ACOUSTIC CEILING TRIM	USG	COMPASSO STANDARD	COLOR: FLAT WHITE #050	12" HEIGHT; REFER TO A5.1 FOR LOCATIONS
ACP2	ACOUSTIC CEILING	USG	CLIMAPLUS-3260	COLOR: WHITE	SHEETROCK BRAND LAY-IN GYPSUM PANELS: 2' X 2' X 1/2" SQUARE EDGE

SCHEDULES AND DETAILS

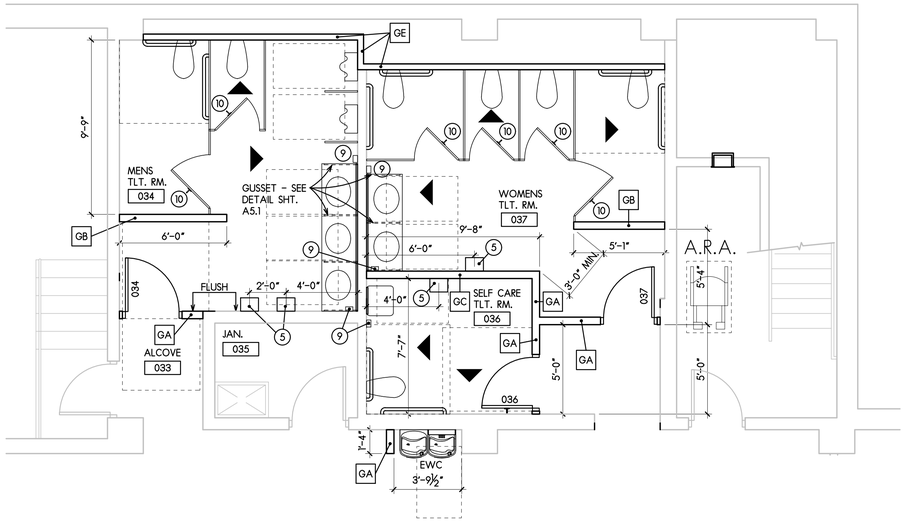
SCALE: AS NOTED

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE	DRWN:	CHK'D:	APPRV'D:
		JWI	PAW	GT

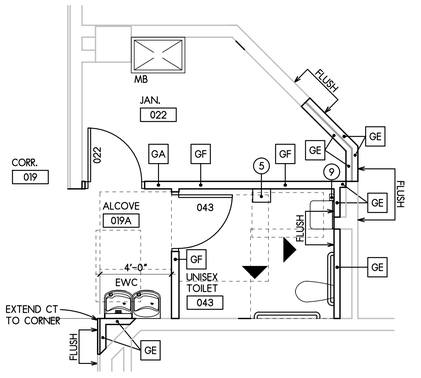
DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER A2.1



1 REVISED BASEMENT FLOOR PLAN

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

North Project / North True



2 REVISED BASEMENT FLOOR PLAN

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

North Project / North True

NOTE: MODEL NUMBERS ARE BASED ON "BRADLEY" U.N.O.

TOILET ACCESSORY SCHEDULE

TYPE		DESCRIPTION
1		DOUBLE ROLL TOILET PAPER HOLDER (MODEL 5402)
2		36" GRAB BAR (MODEL 812)
3		42" GRAB BAR (MODEL 812)
4		MIRROR (MODEL 780) (SEE ELEVATION FOR SIZE)
5		PAPER TOWEL DISPENSER (PACIFIC BLUE ULTRA MOD. 59590) BLACK
6		TOILET PARTITIONS - CEILING HUNG (SERIES 400)
7		URINAL SCREEN 18"x42" (SERIES 400)
8		SANITARY NAPKIN DISPOSAL (MODEL 4A10)
9		SOAP DISPENSER (RENOWN MOD. REN05182)
10		ROBE HOOK (MODEL 9118-81)
11		DOUBLE ROLL TOILET PAPER HOLDER (RENOWN MOD. REN06165-WB) BLACK

WALL TYPES :

GA 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING W/ SOUND BATT INSULATION FULL HEIGHT

GB 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING

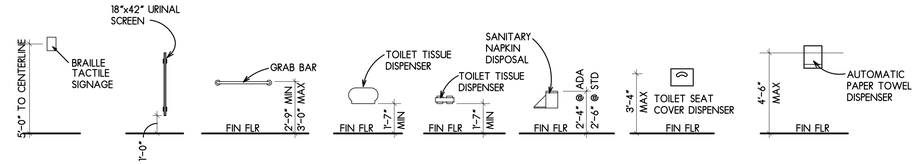
GC 5/8" MOLD AND MOISTURE RESISTANT GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE CEILING W/ SOUND BATT INSULATION

GD 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE HIGHEST CLG. - PROVIDE MOLD AND MOISTURE RESISTANT GWB IN ALL WET WALL LOCATIONS

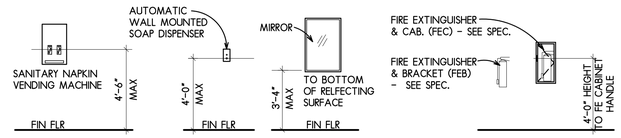
GE 5/8" GWB ONE SIDE OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE HIGHEST CLG. - PROVIDE MOLD AND MOISTURE RESISTANT GWB IN ALL WET WALL LOCATIONS

GF 5/8" GWB BOTH SIDES OF 362S125-30 METAL STUDS @ 16" O.C. TO 6" ABOVE HIGHEST CLG. W/ SOUND BATT INSULATION FULL HEIGHT - PROVIDE MOLD AND MOISTURE RESISTANT GWB IN ALL WET WALL LOCATIONS

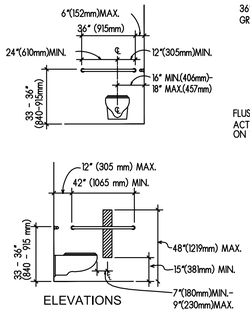
GG 5/8" GWB ONE SIDE OF 7/8" FURRING CHANNELS AT 16" O.C. HORIZONTALLY TO 6" ABOVE CEILING



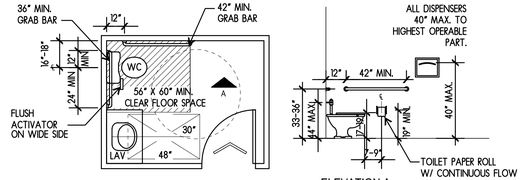
NOTES:
1. TOILET ACCESSORIES SHALL BE LOCATED SO THAT THE OPERATIVE PORTION (PUSH KNOB, TOWEL SLOT, ETC) SHALL BE MAXIMUM 4'-0" FROM THE FINISHED FLOOR FOR FRONT APPROACH AND 4'-0" FROM THE FINISHED FLOOR FOR SIDE APPROACH UNLESS NOTED OTHERWISE.
2. ACCESSORIES SHOWN ABOVE ARE FOR ILLUSTRATION ONLY. SEE SPECIFICATIONS FOR ACTUAL MODEL NUMBERS.



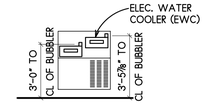
TOILET ACCESSORY MOUNTING HEIGHTS



ELEVATIONS



ELEVATION A

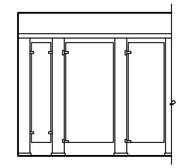


ELECTRIC WATER COOLER

*MEASURED TO RIM
**MEASURED TO TOP OF SEAT

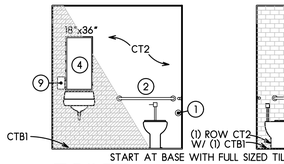
NOTE: SEE PLUMBING SPECIFICATIONS FOR FLUSH VALVE TYPES

TOILET FIXTURE MOUNTING HEIGHTS



FLOOR ANCHORED OVERHEAD BRACED TOILET PARTITIONS

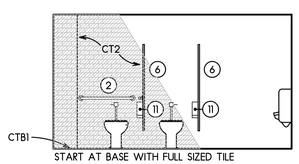
SCALE: 1/4"=1'-0"



START AT BASE WITH FULL SIZED TILE

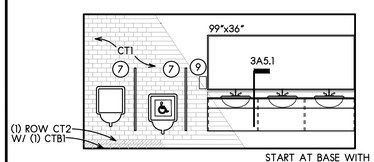
TOILET 043 - EAST
SCALE: 1/4" = 1'-0"

TOILET 043 - SOUTH
SCALE: 1/4" = 1'-0"



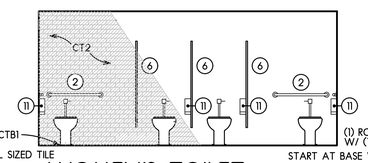
START AT BASE WITH FULL SIZED TILE

MEN'S TOILET 034 - NORTH
SCALE: 1/4" = 1'-0"



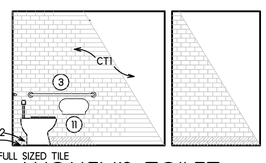
START AT BASE WITH FULL SIZED TILE

MEN'S TOILET 034 - EAST
SCALE: 1/4" = 1'-0"



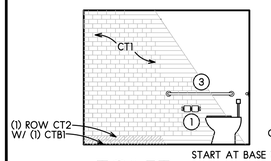
START AT BASE WITH FULL SIZED TILE

WOMEN'S TOILET 037 - NORTH
SCALE: 1/4" = 1'-0"



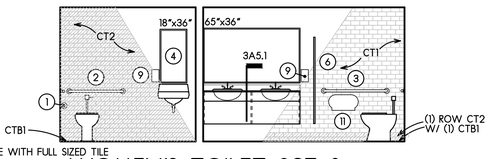
START AT BASE WITH FULL SIZED TILE

WOMEN'S TOILET 037 - EAST
SCALE: 1/4" = 1'-0"

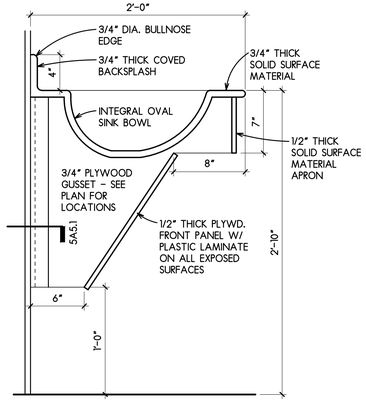


START AT BASE WITH FULL SIZED TILE

TOILET 036 - SOUTH
SCALE: 1/4" = 1'-0"

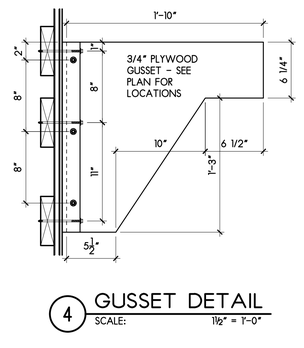


WOMEN'S TOILET 037 & TOILET 036 - WEST
SCALE: 1/4" = 1'-0"



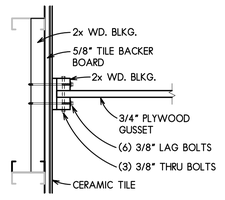
3 LAVATORY DETAIL

SCALE: 1½" = 1'-0"



4 GUSSET DETAIL

SCALE: 1½" = 1'-0"



5 BRACKET DETAIL

SCALE: 1½" = 1'-0"

DETAIL PLANS AND INTERIOR ELEVATIONS

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

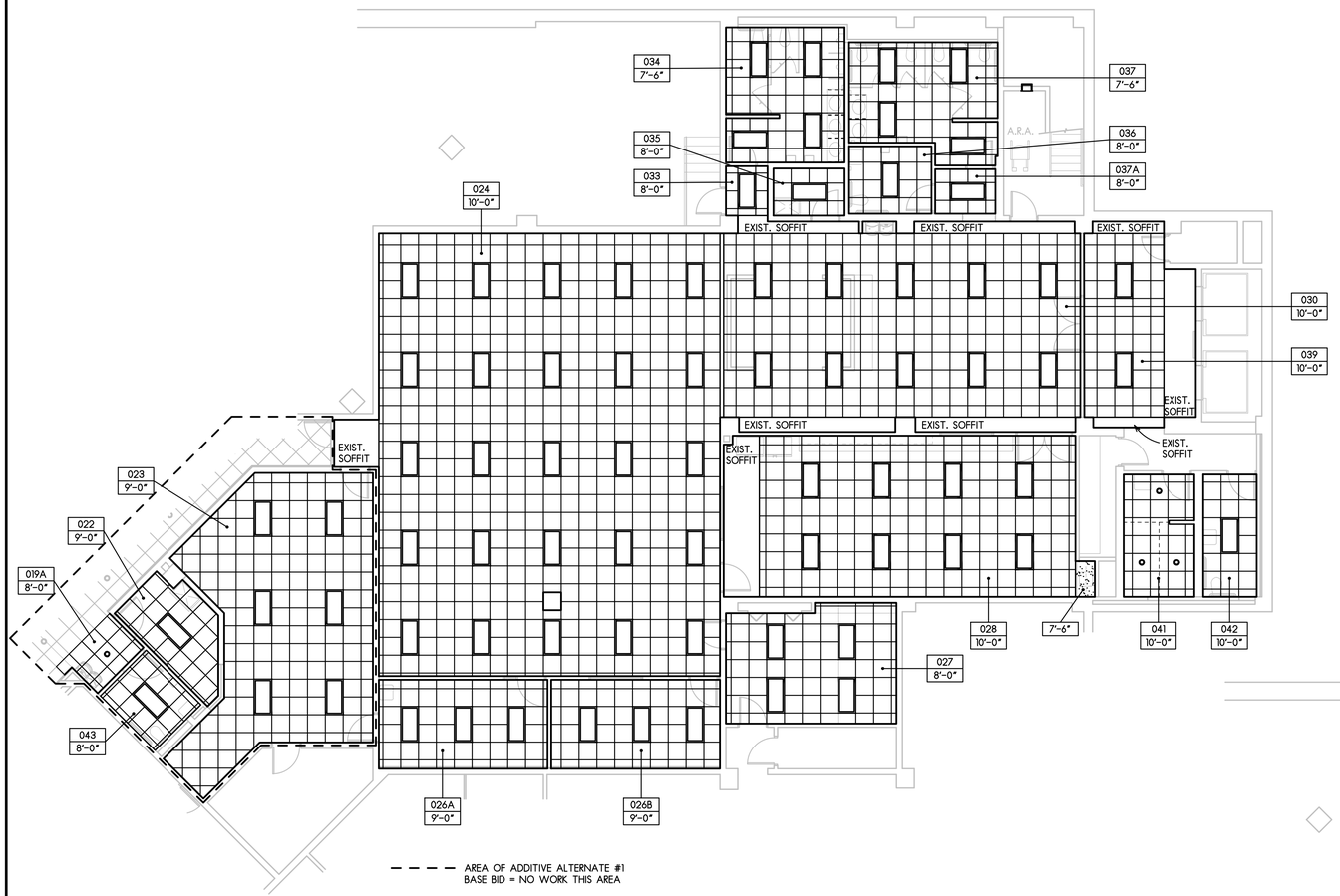
Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
JWI	PAW	GT

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER A5.1



REVISED REFLECTED CEILING

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

REFLECTED CEILING LEGEND :

- 2' X 2' LAY-IN ACOUSTICAL CEILING PANEL SYSTEM
- 2' X 4' LAY-IN ACOUSTICAL CEILING PANEL SYSTEM
- GYPSUM WALLBOARD CEILING
- RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- SPEAKERS
- RECESSED LIGHT FIXTURE
- RECESSED WALL WASHER
- CEILING MOUNTED EXIT LIGHT
- SUPPLY AIR DIFFUSER
- RETURN AIR REGISTER/ TRANSFER GRILLE
- EXHAUST AIR REGISTER
- CEILING MOUNTED SPRINKLER HEAD
- 101.1 / 8'-0" ROOM NUMBER / CEILING HEIGHT
- 2A3.2 / 2A3.2 DETAIL SECTIONS

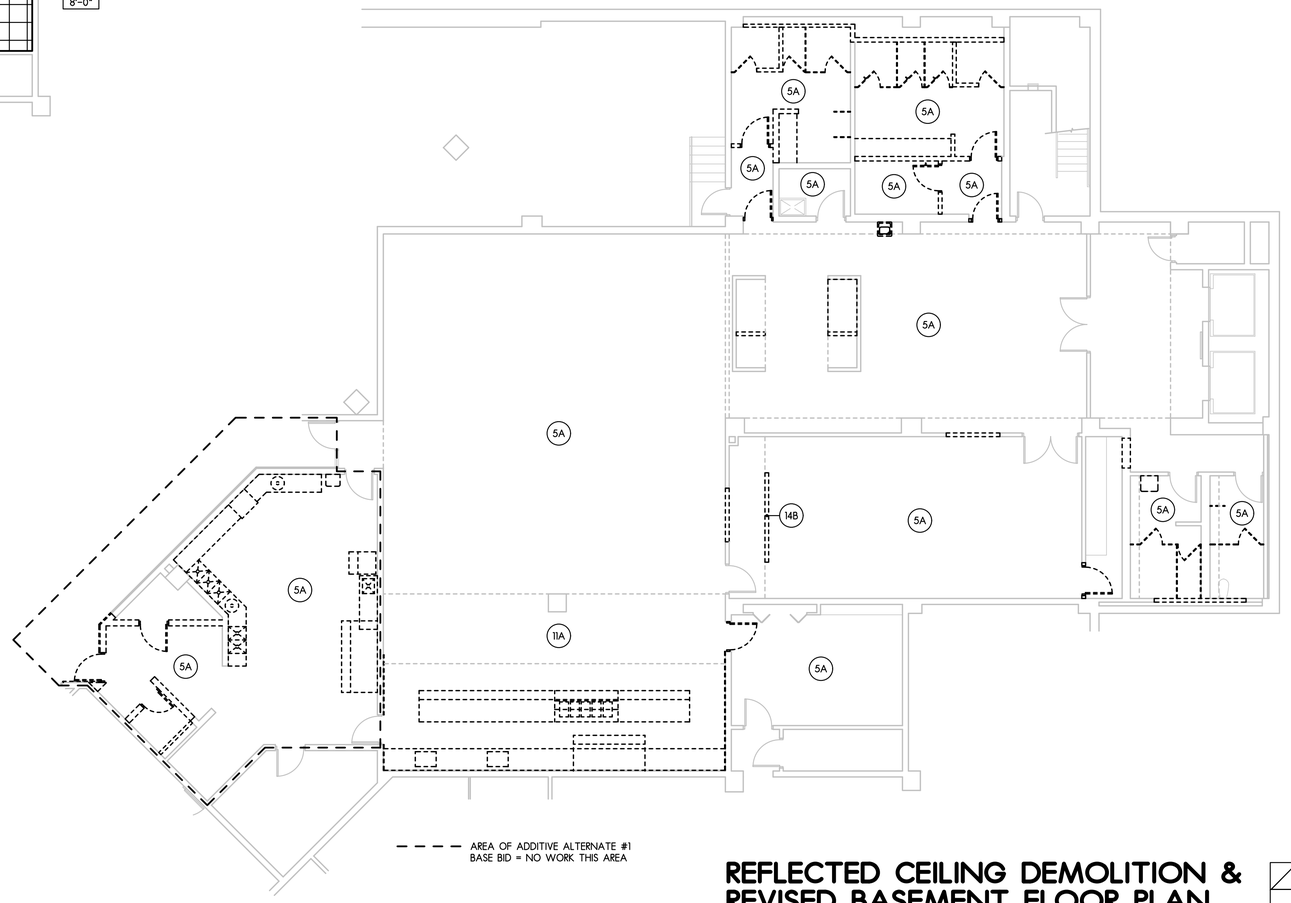
DEMOLITION KEYNOTES

	ITEM:		
1	FLOOR FINISH	11	SOFFIT CONSTRUCTION
2	WALL FINISH	12	CERAMIC TILE
3	PLBG FIXTURES	13	COUNTERTOP CONSTR.
4	KITCHEN EQUIPMENT	14	PROJECTION SCREEN
5	CEILING CONSTRUCTION (SEE A6.1)		
6	TOILET PARTITIONS		
7	TOILET ACCESSORIES		
8	WALL CONSTRUCTION		
9	DOOR ASSEMBLY		
10	MILLWORK		

	ACTION:
A	REMOVE AND DISCARD
B	REMOVE AND TURN OVER TO OWNER
C	REMOVE AND RESTORE FOR REUSE

GENERAL NOTES: FOR DEMOLITION

1. ITEMS REMOVED AND TURNED OVER TO OWNER SHALL BE TRANSPORTED TO A ROOM OR AREA ONSITE DESIGNATED BY THE OWNER.
2. WHERE ITEMS ARE REMOVED, THE SUBSTRATE SHALL BE REPAIRED, PATCHED, CLEANED, ETC. TO A CONDITION SUITABLE TO RECEIVE NEW WORK AND OR FINISHES.
3. ITEMS TO BE DISPOSED, SHALL BE REMOVED FROM THE SITE ON A TIMELY BASIS.
4. PRIOR TO START OF DEMOLITION, DEMOLITION CONTRACTOR TO REVIEW EXTENT OF DEMOLITION WITH GENERAL CONTRACTOR / OWNER FOR POSSIBLE CHANGES TO SCOPE OF SALVAGE / RE-USE.
5. SEE SHEET A6.1 FOR ADDITIONAL EXISTING CEILING DEMOLITION.



DEMOLITION REFLECTED CEILING

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

REFLECTED CEILING DEMOLITION & REVISED BASEMENT FLOOR PLAN

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

North Project

North True

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

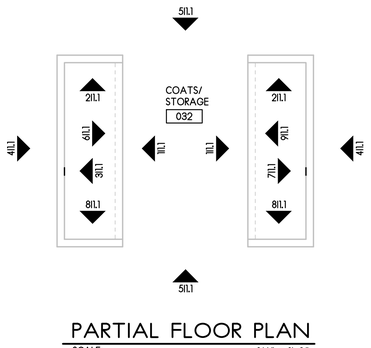
ISSUED FOR:	DATE

DRWN: JWI | CHK'D: PAW | APPRV'D: GT

DATE: 04-13-2022

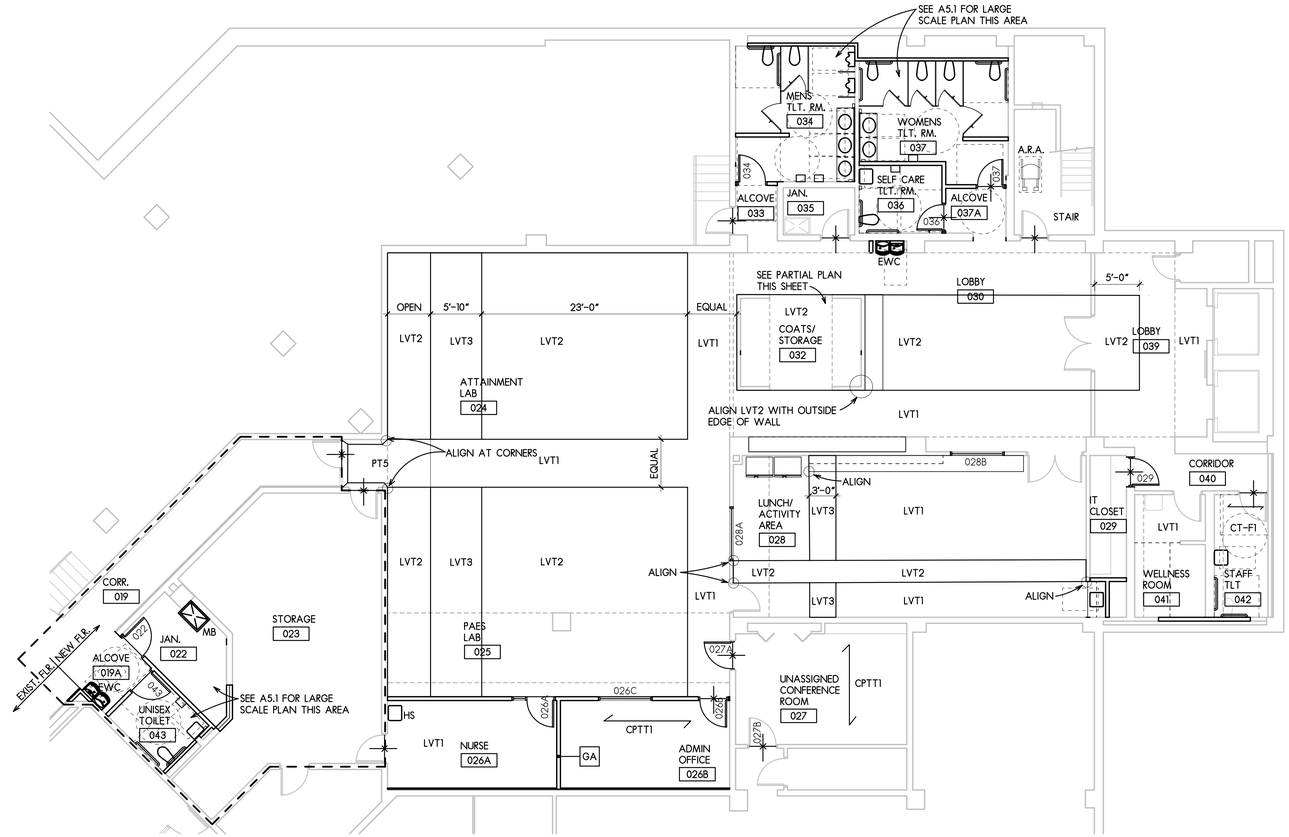
PROJECT NUMBER 30186

SHEET NUMBER A6.1

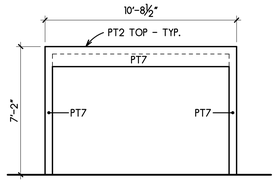


PARTIAL FLOOR PLAN

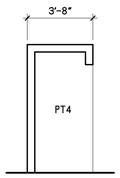
SCALE: 1/4" = 1'-0"



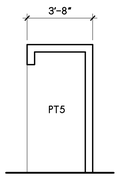
AREA OF ADDITIVE ALTERNATE #1
BASE BID = NO WORK THIS AREA

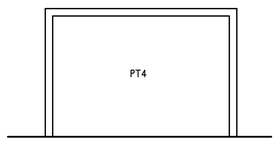


1I1.1
1/4" = 1'-0"

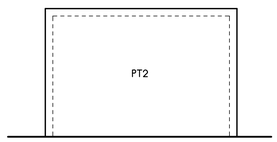


2I1.1
1/4" = 1'-0"

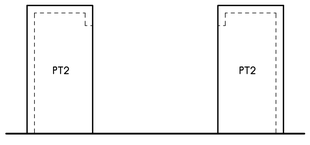




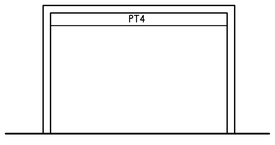
3I1.1
1/4" = 1'-0"



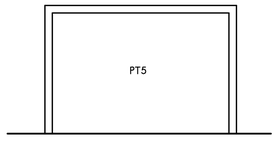
4I1.1
1/4" = 1'-0"



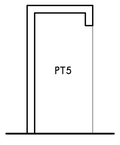
5I1.1
1/4" = 1'-0"

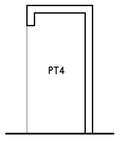


6I1.1
1/4" = 1'-0"

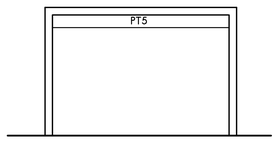


7I1.1
1/4" = 1'-0"





8I1.1
1/4" = 1'-0"



9I1.1
1/4" = 1'-0"

GENERAL NOTES :

1. ROOM FINISHES - SEE A2.1
2. AVOID SLIVERS AND SMALL CUTS IN FLOORING MATERIALS

REVISED
BASEMENT FLOOR PLAN
FINISH MATERIAL PATTERNS/DIRECTIVES

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

North Project | North True

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN: JAW | CHK'D: - | APPRV'D: -

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER 1.1

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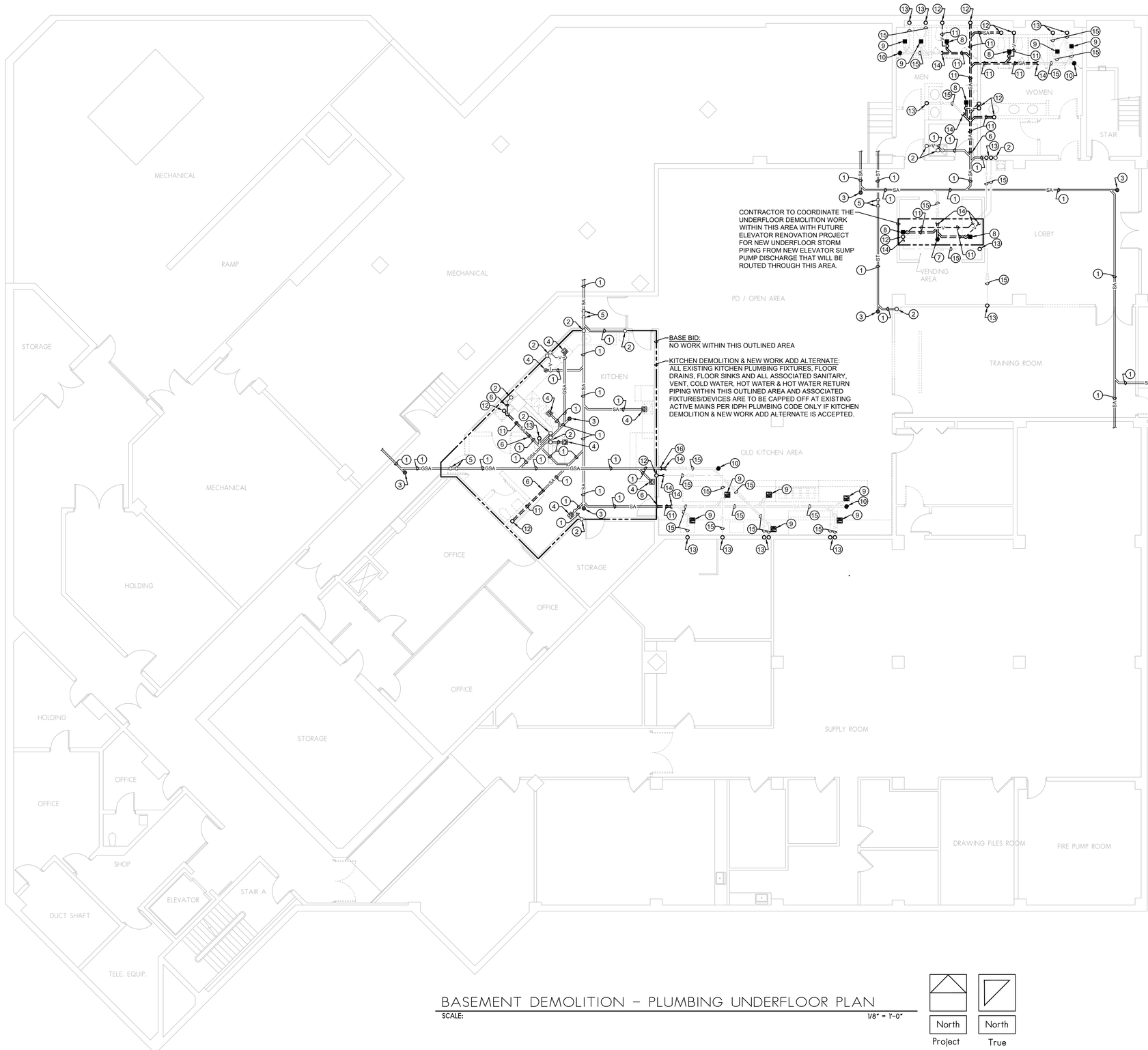

BASEMENT DEMOLITION – PLUMBING UNDERFLOOR PLAN

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

North Project

North True

(#) DRAWING NOTES:

1. EXISTING UNDERFLOOR PLUMBING PIPING OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
2. EXISTING PLUMBING RISER/S PIPING OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
3. EXISTING FLOOR CLEANOUT AND ALL ASSOCIATED PIPING AND EQUIPMENT TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
4. EXISTING FLOOR DRAIN/FLOOR SINK AND ALL ASSOCIATED PIPING AND EQUIPMENT TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
5. EXISTING PLUMBING PIPING DROP TO LOWER ELEVATION OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
6. NEW CONNECTION TO BE MADE TO EXISTING UNDERFLOOR PIPING OF TYPE INDICATED AT THIS LOCATION. REMOVE ALL UNDERFLOOR PIPING SHOWN DASHED. CONTRACTOR TO FIELD VERIFY EXISTING UNDERFLOOR PIPING VIA PIPE LOCATION/TELEVISING/X-RAY EQUIPMENT. SAW CUT FLOOR AS REQUIRED TO REMOVE EXISTING UNDERFLOOR PIPING SHOWN DASHED. REFER TO FLOOR SAW CUTTING NOTE THIS DRAWING FOR ADDITIONAL INFORMATION.
7. REMOVE EXISTING FLOOR CLEANOUT AND ASSOCIATED SANITARY PIPING BACK TO LOCATION SHOWN. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
8. REMOVE EXISTING FLOOR DRAIN AND ASSOCIATED SANITARY/VENT PIPING BACK TO LOCATION SHOWN. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
9. REMOVE EXISTING FLOOR DRAIN AND ASSOCIATED SANITARY PIPING TO JUST BELOW FINISHED FLOOR AND CAP EXISTING SANITARY. EXISTING CAPPED SANITARY UNDERFLOOR PIPING TO BE ABANDONED IN PLACE. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
10. REMOVE EXISTING FLOOR CLEANOUT AND ASSOCIATED SANITARY PIPING TO JUST BELOW FINISHED FLOOR AND CAP EXISTING SANITARY. EXISTING CAPPED SANITARY UNDERFLOOR PIPING TO BE ABANDONED IN PLACE. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
11. REMOVE EXISTING UNDERFLOOR PLUMBING PIPING OF TYPE INDICATED SHOWN DASHED BACK TO LOCATION SHOWN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
12. REMOVE EXISTING PIPING RISER AND ASSOCIATED UNDERFLOOR PIPING SHOWN DASHED BACK TO LOCATION SHOWN FOR NEW CONNECTION. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
13. REMOVE EXISTING PIPING RISER/S AND ASSOCIATED PIPING TO JUST BELOW FINISHED FLOOR AND CAP. EXISTING CAPPED UNDERFLOOR PIPING TO BE ABANDONED IN PLACE. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
14. EXISTING UNDERFLOOR SANITARY BRACH PIPING TO BE CAPPED OFF AT THIS LOCATION SO THAT ALL PIPING SHOWN FADED BEYOND THIS POINT IS TO BE ABANDONED IN PLACE. CONTRACTOR TO FIELD VERIFY THAT EXISTING UNDERFLOOR SANITARY BRACH PIPING TO BE ABANDONED IS TO CAPPED OFF AT ALL ENDS AND DOES NOT HAVE ANY DEAD ENDS PER ILLINOIS PLUMBING CODE SECTION (890.1320 d). PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
15. EXISTING UNDERFLOOR PLUMBING PIPING OF TYPE INDICATED IS TO BE CAPPED OFF AT ALL ENDS AND ABANDONED IN PLACE. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
16. EXISTING ACTIVE UNDERFLOOR PIPING OF TYPE INDICATED TO BE CAPPED OFF AT THIS LOCATION SO THAT ALL PIPING SHOWN BEYOND THIS POINT IS TO BE ABANDONED IN PLACE. CONTRACTOR TO FIELD VERIFY THAT EXISTING ACTIVE UNDERFLOOR SANITARY PIPING THAT IS TO BE CAPPED OFF DOSE NOT EXCEED 10'-0" IN LENGTH FROM THE HALLWAY MAIN PER ILPC PLUMBING CODE SECTION (890.1320 d) FOR DEAD END PIPE. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205
501 7TH ST. ROCKFORD, ILLINOIS 61104 IFB 22-49 P2112

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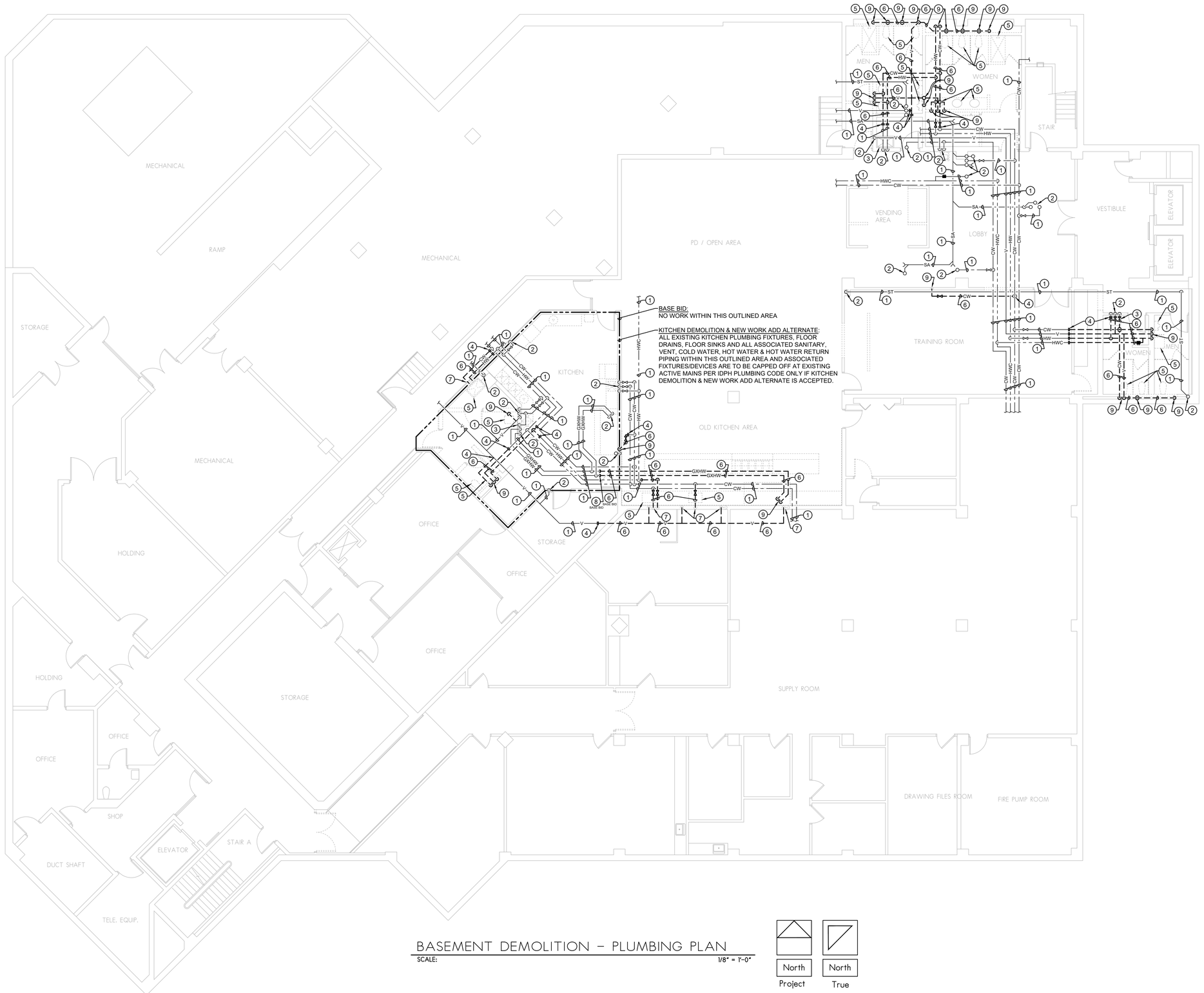
DRWN:	CHK'D:	APPRV'D:
JML	SJS	SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER PD1.0

FILE: F:\788-E-2\P788E2 PD1.0.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:21 PM



BASEMENT DEMOLITION – PLUMBING PLAN

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

North
Project

North
True

DRAWING NOTES:

1. EXISTING SUSPENDED PLUMBING PIPING OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
2. EXISTING PLUMBING RISER/S PIPING OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
3. EXISTING PLUMBING FIXTURE TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
4. NEW CONNECTION TO BE MADE AT THIS LOCATION. REMOVE ALL PIPING SHOWN DASHED BEYOND THIS POINT. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
5. REMOVE EXISTING PLUMBING FIXTURE OF TYPE INDICATED AND ALL ASSOCIATED PIPING AND EQUIPMENT IN IT'S ENTIRETY. REMOVE ANY ASSOCIATED EXISTING SA/V/CW/HW PIPING WITHIN WALL BACK TO LOCATION SHOWN. PATCH WALLS AND/OR FLOORS TO MATCH EXISTING SURROUNDING AREAS AS NEEDED. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
6. REMOVE EXISTING SUSPENDED PLUMBING PIPING OF TYPE INDICATED SHOWN DASHED BACK TO LOCATION SHOWN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
7. EXISTING PLUMBING PIPING RISER/S OF TYPE INDICATED WITHIN WALL TO BE REMOVED BACK TO A POINT THAT IT CAN BE CAPPED OFF AT ALL OPEN ENDS AND ABANDONED IN PLACE. PATCH WALLS AND/OR FLOORS TO MATCH EXISTING SURROUNDING AREAS AS NEEDED. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
8. EXISTING SUSPENDED PLUMBING PIPING OF TYPE INDICATED TO BE CAPPED AT THIS LOCATION. REMOVE ALL PIPING SHOWN DASHED BEYOND THIS POINT. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
9. REMOVE EXISTING PLUMBING RISER/S AND ASSOCIATED PIPING OF TYPE INDICATED SHOWN DASHED IN IT'S ENTIRETY BACK TO LOCATION SHOWN. PATCH WALLS AND/OR FLOORS TO MATCH EXISTING SURROUNDING AREAS AS NEEDED. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.

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www.cs2designgroup.com

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:

RPS DISTRICT 205 IFB 22-49 P2112

501 7TH ST. ROCKFORD, ILLINOIS 61104

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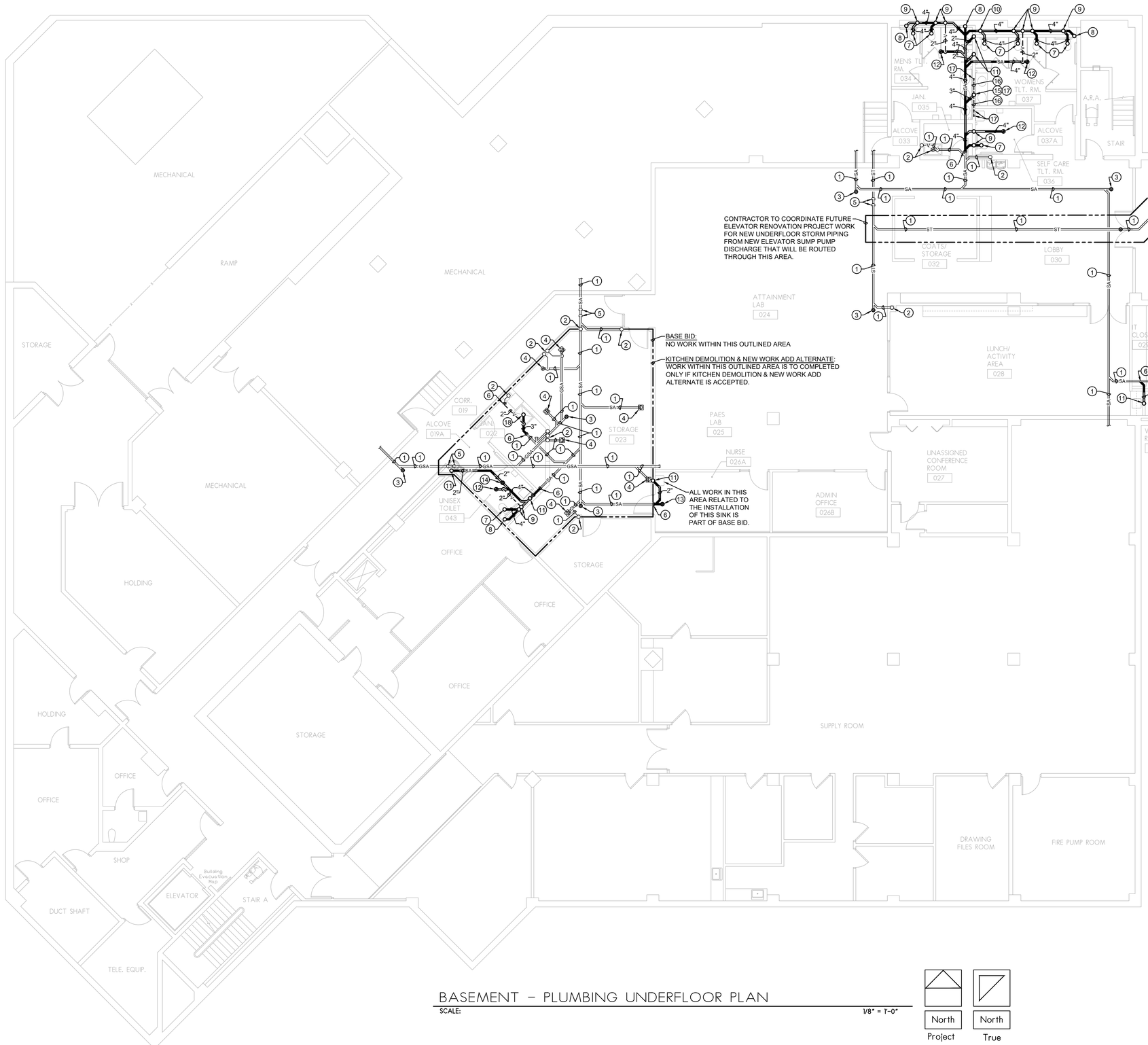

BASEMENT – PLUMBING UNDERFLOOR PLAN

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

North Project

North True

(#) DRAWING NOTES:

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3. EXISTING FLOOR CLEANOUT AND ALL ASSOCIATED PIPING AND EQUIPMENT TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
4. EXISTING FLOOR DRAIN/FLOOR SINK AND ALL ASSOCIATED PIPING AND EQUIPMENT TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
5. EXISTING PLUMBING PIPING DROP TO LOWER ELEVATION OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
6. NEW CONNECTION TO BE MADE TO EXISTING UNDERFLOOR PIPING OF TYPE INDICATED AT THIS LOCATION. CONTRACTOR TO FIELD VERIFY EXISTING UNDERFLOOR PIPING VIA PIPE LOCATION/TELEVISING/X-RAY EQUIPMENT. SAW CUT FLOOR AS REQUIRED TO INSTALL NEW UNDERFLOOR PIPING SHOWN. REFER TO FLOOR SAW CUTTING NOTE THIS DRAWING FOR ADDITIONAL INFORMATION.
7. 4"SA UP TO NEW FLOOR MOUNTED TOILET.
8. 4"SA UP IN WALL/CHASE TO WALL CLEANOUT.
9. 2"V UP IN WALL/CHASE.
10. 4"V UP IN WALL/CHASE.
11. 2"SA UP IN WALL/CHASE.
12. 4" SANITARY UP TO FLOOR DRAIN (4"FD-1).
13. 4" SANITARY UP TO FLOOR CLEANOUT (4"FCO).
14. 4" SANITARY UP TO TWO WAY FLOOR CLEANOUT (4"FCO).
15. 3"SA UP IN WALL/CHASE TO SUPPLY (6) LAVATORIES.
16. 2"SA ROUTED ABOVE FINISHED FLOOR WITHIN WALL/CHASE SPACE FOR EACH BACK TO BACK SET OF LAVATORIES.
17. 2"SA ROUGH-IN FOR EACH BACK TO BACK LAVATORY.
18. 3"SA UP TO NEW FLOOR MOUNTED MOB BASIN.

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RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

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DRWN:	CHK'D:	APPRV'D:
JML	SJS	SJS

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PROJECT NUMBER 30186
SHEET NUMBER P1.0

FILE: F:\788-E-2\P1788E2 P1.0.DWG SAVED BY: JML DATE: 4/13/2022 TIME: 3:28 PM

BASEMENT – PLUMBING PLAN

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

North Project

North True

DRAWING NOTES:

1. EXISTING SUSPENDED PLUMBING PIPING OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
2. EXISTING PLUMBING RISER/S PIPING OF TYPE INDICATED TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
3. EXISTING PLUMBING FIXTURE TO REMAIN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
4. NEW CONNECTION TO BE MADE AT THIS LOCATION. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
5. 4"V DOWN IN WALL/CHASE.
6. 2"V DOWN IN WALL/CHASE.
7. 1 1/4"CW DOWN IN WALL/CHASE TO SUPPLY FLOOR MOUNTED TOILET WITH FLUSH VALVE ON THE WIDE SIDE.
8. 1 1/4"CW DOWN IN WALL/CHASE TO SUPPLY FLOOR MOUNTED TOILET.
9. 2"CW DOWN IN WALL/CHASE TO SUPPLY TOILETS.
10. 2"V & 1"CW DOWN IN WALL/CHASE TO SUPPLY WALL MOUNTED URINAL.
11. 2"V & 3/4"CW/HW/HW DOWN IN EXISTING WALL/CHASE TO SUPPLY SELF CARE TOILET ROOM 036 LAVATORY. CONTRACTORS SHALL ROUTE HOT WATER RECIRCULATION PIPING TO WITHIN A MINIMUM OF 6" OF HOT WATER STOP VALVE ROUGH-IN TO MEET THE ENERGY CODE REQUIREMENTS. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
12. 2"V & 3/4"CW/HW/HW DOWN IN EXISTING WALL/CHASE TO SUPPLY MEN'S 034 & WOMEN'S 037 TOILET ROOMS LAVATORIES. SA/V/CW/HW PIPING TO BE ROUTED WITHIN WALL/CHASE SPACE TO EACH SET OF BACK TO BACK LAVATORIES. CONTRACTORS SHALL ROUTE HOT WATER RECIRCULATION PIPING TO WITHIN A MINIMUM OF 6" OF HOT WATER STOP VALVE ROUGH-IN TO MEET THE ENERGY CODE REQUIREMENTS. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
13. NEW PLUMBING FIXTURE OF TYPE INDICATED TO BE INSTALLED AT THIS LOCATION. MAKE NEW CONNECTIONS TO NEW, MODIFIED AND/OR EXTENDED SANITARY, VENT, CW TO ACCOMMODATE NEW FIXTURE ROUGH-IN REQUIREMENTS. CONTRACTOR TO PROVIDE NEW CW 1/4 TURN ANGLE STOP VALVES, CHROME PLATED RIGID SUPPLY RISER TUBE, NEW 17 GAUGE CHROME PLATED P-TRAP, TAILPIECE, ETC. CAULK NEW PLUMBING FIXTURE TO WALL OR COUNTERTOP WITH APPROPRIATE MOLD RESISTANT CAULK. COLOR OF CAULK TO MATCH FIXTURE. PER GENERAL REMODELING NOTES CONTRACTOR IS TO PATCH ANY WALL/FLOOR/CEILINGS TO MATCH EXISTING SURROUNDING AREAS AND COORDINATE WITH ARCHITECT FOR ALL WALL/FLOOR/CEILINGS FINISHING TYPES. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, PIPE ROUTING, SIZE AND LOCATION.
14. 2"V DOWN IN EXISTING WALL/CHASE. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
15. 2"V & 3/4"CW/HW/HW DOWN IN WALL/CHASE.
16. 2"V & 3/4"CW/HW/HW DOWN IN EXISTING WALL/CHASE. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
17. 2"V, 3/4"CW & 3/4"HW, 3/4" LOOP HW DOWN IN WALL/CHASE. CONTRACTORS SHALL ROUTE HOT WATER LOOP PIPING TO WITHIN A MINIMUM OF 6" OF HOT WATER STOP VALVE ROUGH-IN TO MEET THE ENERGY CODE REQUIREMENTS.
18. (2) SETS OF 3/4"CW/HW DOWN IN EXISTING WALL/CHASE. REFER TO CHEMICAL/SOAP DISPENSER FAUCET DETAIL FOR INSTALLATION REQUIREMENTS FOR MOP BASIN AND CHEMICAL/SOAP DISPENSER SUPPLY PIPING AND FAUCETS. PATCH EXISTING FLOOR TO MATCH EXISTING SURROUNDING AREAS. CONTRACTOR TO FIELD VERIFY EXISTING PIPE ROUTING, SIZE AND LOCATION.
19. 2"V & 3/4"CW DOWN IN WALL/CHASE.

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RPS DISTRICT 205

501 7TH ST. ROCKFORD, ILLINOIS 61104

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JML	SJS	SJS

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SHEET NUMBER P1.1

FILE: F:\788-E-2\P1788E2 P1.1.DWG SAVED BY: JML DATE: 4/13/2022 TIME: 3:28 PM

GENERAL REMODELING NOTES

1. ALL WORK SHOWN ON DRAWINGS SHALL BE CONSIDERED NEW AND IN CONTRACT UNLESS SPECIFICALLY INDICATED OTHERWISE.
2. DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
3. IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLEARNESS OF PRESENTATION.
4. CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY OWNER/ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
5. CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
6. WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
7. CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL BUILDING MEMBER.
8. THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS DIRECTED.
9. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTOR'S WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.
10. CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR, TO THE SATISFACTION OF THE ARCHITECT AND OWNER. CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.
11. SOME OF THE EXISTING ITEMS AND EQUIPMENT SCHEDULED TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER. ANY ITEMS THAT THE OWNER WANTS TO RETAIN SHALL BE REMOVED CAREFULLY SO AS NOT TO DAMAGE THEM. ALL OTHER ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN-UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP AND THE NEGLIGENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK-CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
13. CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
14. IT IS MANDATORY THAT THE COMPLETE EXISTING BUILDING REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF SAID EXISTING BUILDING. THE SPECIFIC AREA(S) BEING REMODELED/ALTERED AT ANY SCHEDULED TIME ARE OBVIOUSLY EXCLUSIVE OF THIS STATEMENT. SERVICES TO EXISTING BUILDING SHALL BE KEPT IN CONTINUOUS OPERATION INCLUDING POWER, SIGNAL SYSTEMS, LIGHTING, TELEPHONE, HEATING, COOLING, VENTILATING, TEMPERATURE CONTROL, SEWERS AND HOT AND COLD WATER. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH CONTRACT WORK SHALL BE ARRANGED WITH THE OWNER A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE. SUCH INTERRUPTIONS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AS FAR AS TIME INTERVAL IS INVOLVED AND TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED BY THE CONTRACTOR ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
15. UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
16. CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/OR WOOD PALLETS. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUIN. ALL PIPING AND DUCTWORK WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED OUTSIDE THE BUILDING ON THE SITE UNLESS IT IS SUPPORTED OFF THE GROUND AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
17. THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT FROM A SPECIFIED ACCEPTABLE MANUFACTURER, BUT NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. WHEN EQUIPMENT SUBMITTED FOR REVIEW DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
18. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEET THE CAPACITY AND DUTY SPECIFIED. WHEN EQUIPMENT SUBMITTED FOR REVIEW REQUIRES MODIFICATIONS TO THE WORK OF OTHER CONTRACTORS, SUBMITTING CONTRACTOR SHALL PAY FOR ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT FUNCTION SAFELY AND PROPERLY.
19. CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ROOMS, ETC. FOR ACCESS OF THE NEW EQUIPMENT INTO OR REMOVAL OF EXISTING EQUIPMENT FROM THE BUILDING. IF OPENINGS ARE TOO SMALL FOR ACCESS THEN CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROVIDE NEW OR ENLARGED OPENINGS AND RESTORE SAME TO ORIGINAL SIZE AND CONDITION. CONTRACTOR MAY ELECT TO ORDER THE EQUIPMENT DISASSEMBLED AND/OR WITH SPLIT HOUSING FOR ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS IN THE SPACE AT HIS OWN EXPENSE.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THEIR ASSOCIATED FEES.
21. DRAWINGS AND DRAWING DETAILS ARE GENERALLY DIAGRAMMATIC. PIPING AS SHOWN ON DRAWINGS DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING, NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK.

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE INSTALLED AND ALL MATERIALS SHALL BE, IN STRICT ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF MOST CURRENT ILLINOIS DEPARTMENT OF PUBLIC HEALTH PLUMBING CODE AND THE LOCAL VILLAGE/CITY PLUMBING CODE, ANY STATE/LOCAL AMENDMENTS AND SHALL HAVE THE APPROVAL FROM THE LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THEIR ASSOCIATED FEES.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE ALL INSPECTIONS WITH THIRD PARTY INSPECTION AGENCY, THE LOCAL AUTHORITY HAVING JURISDICTION OR ILLINOIS DEPARTMENT OF PUBLIC HEALTH. ALL PIPING SYSTEMS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH REQUIREMENTS OF THE ILLINOIS STATE PLUMBING CODE.
4. STERILIZATION: UPON COMPLETION OF TESTING AND FLUSHING OF NEW DOMESTIC WATER PIPING, THE CONTRACTOR SHALL STERILIZE ALL WATER PIPING INCLUDING ALL DOMESTIC HOT WATER SUPPLY AND RETURN AND ALL DOMESTIC COLD WATER PIPING. CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY TAPPINGS, VALVE OPENINGS, DRAIN FITTINGS, ETC., AS REQUIRED TO STERILIZE THE WATER PIPING, INCLUDING ALL REQUIRED EXCAVATION WORK, FITTING AND LABOR. WATER PIPING SHALL BE FLUSHED AND CHLORINATED AS SPECIFIED IN AWWA-C-601-54 STANDARD PROCEDURE FOR DISINFECTING WATER MAINS AND AS REQUIRED BY ILLINOIS DEPARTMENT OF PUBLIC HEALTH. DISINFECTING SHALL NOT BE DEEMED COMPLETED UNTIL SATISFACTORY BACTERIOLOGICAL ANALYSIS REPORTS ARE RECEIVED FOR SAMPLES OF WATER COLLECTED AND TESTED FROM THE NEW WATER PIPING SYSTEM ALL BY PLUMBING CONTRACTOR.
5. ALL EXISTING INFORMATION SHOWN ON DRAWINGS HAS BEEN OBTAINED FROM LIMITED FIELD SURVEY. EXACT LOCATION OF PLUMBING DEVICES, PLUMBING SYSTEMS, PLUMBING FIXTURES, EXISTING CONDITIONS, WATER LINES, VALVES, PIPE ROUTING, PIPE ELEVATIONS, SIZE AND LOCATIONS SHALL BE VERIFIED WITH BUILDING STRUCTURE, ARCHITECT, OTHER TRADES, GENERAL AND CABINETRY EQUIPMENT CONTRACTOR PRIOR TO STARTING ANY WORK.
6. INSTALL LEED FREE BALL VALVES IN EACH RISER OR BRANCH TAKEOFF FROM MAINS, RISERS AND AS INDICATED ON DRAWINGS AND ALL LOCATIONS NOT INDICATED ON THE DRAWINGS AS DRAWINGS ARE GENERALLY DIAGRAMMATIC AND NOT ALL VALVES COULD BE ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. ALL DOMESTIC COLD WATER PIPING ALL SIZES SHALL BE INSULATED WITH 1" FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER JACKET PER CURRENT ENERGY CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
8. ALL DOMESTIC HOT, TEPID & RECIRCULATING WATER PIPING 1 1/4" AND SMALLER SHALL BE INSULATED WITH 1" FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER JACKET PER CURRENT ENERGY CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. ALL DOMESTIC HOT, TEPID & RECIRCULATING WATER PIPING 1 1/2" AND LARGER SHALL BE INSULATED WITH 1 1/2" FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER JACKET PER CURRENT ENERGY CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
10. ALL HORIZONTAL SANITARY AND STORM WASTE PIPING SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET.
11. ALL SANITARY WASTE, STORM WASTE, VENT, DOMESTIC SUPPLY & RETURN PIPING SHALL BE SUSPENDED WITH CLEVIS AND/OR TRAPEZE PIPE HANGERS. ALL HORIZONTAL SANITARY WASTE, STORM WASTE, DOMESTIC SUPPLY AND RETURN PIPING SHALL BE INSULATED WITH 360° SHEET METAL INSULATION SHIELDS. INSULATION IS NOT TO BE CUT OUT TO FIT WITHIN CLEVIS AND/OR TRAPEZE PIPE HANGERS. U-BOLTS WITH 360° SHEET METAL INSULATION SHIELDS OR STRUT CLAMP: KLO-SHURE 9 SERIES CLAMP WITH SPECIFIED THICKNESS OF INSULATION IS TO BE USED FOR TRAPEZE PIPE HANGERS FOR DOMESTIC SUPPLY & RETURN PIPING. REFER TO DRAWING DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12. PROVIDE WATER HAMMER ARRESTORS AT EVERY FIXTURE OR WHERE ADDITIONAL ARRESTORS MAY BE REQUIRED. SIZE IN ACCORDANCE WITH PDI WH-201, PRECHARGED, PERMANENTLY SEALED, SUITABLE FOR OPERATION IN TEMPERATURE RANGE -100 TO 300 DEGREES F AND MAXIMUM 250 PSI WORKING PRESSURE OR AIR CHAMBERS MEETING LOCAL CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
13. BALL VALVES SHALL BE APOLLO, NIBCO, MILWAUKEE, WATTS OR VIEGA WITH ALL BRONZE BODY, FULL STAINLESS STEEL BALL WITH FULL PORT FLOW, TEFLON SEATS AND STUFFING BOX RING, BLOW-OUT PROOF STEM, LEVER HANDLE AND SOLDER ENDS. BALL VALVE MUST COMPLY WITH NSF/ANSI STANDARD 61, NSF 61 ANNEX F, NSF 61 ANNEX G & NSF 372 – LOW LEAD & LEAD FREE BRASS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
14. CHECK VALVES SHALL BE APOLLO, NIBCO, MILWAUKEE, CRANE, WEBSTONE OR WATTS SPRING STYLE WITH ALL BRONZE BODY, CHECK VALVES MAY BE INSTALLED IN BOTH HORIZONTAL AND VERTICAL LINES WITH UPWARD FLOW OR IN ANY INTERMEDIATE POSITION. VERTICAL DOWNWARD FLOW THROUGH CHECK VALVES IS PROHIBITED. CHECK VALVES MUST COMPLY WITH NSF/ANSI STANDARD 61, NSF 61. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
15. ALL PLUMBING FIXTURES & PRODUCTS MUST COMPLY WITH NSF/ANSI STANDARD 61, NSF 61 ANNEX F, NSF 61 ANNEX G & NSF 372 – LOW LEAD & LEAD FREE BRASS.
16. ALL VENT AND WASTE PIPING SIZES ARE MINIMUM. ADDITIONAL VENTS SHALL BE ADDED AND/OR PIPE SIZE INCREASED AS REQUIRED BY APPLICABLE CODES, STATUTES AND REGULATIONS, ETC. WITHOUT ADDITIONAL COST TO THE OWNER.
17. ALL NEW FLOOR DRAINS AND ANY EXISTING FLOOR DRAINS INDICATED ON DRAWINGS TO HAVE WORK PERFORMED SHALL HAVE AN IN-LINE TRAP SEALER INSTALLED. REFER TO SURE SEAL IN-LINE FLOOR DRAIN TRAP SEALER DETAIL FOR ADDITIONAL INFORMATION. REFER TO DRAWING DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
18. PITCH ALL SUPPLY AND RETURN WATER LINES TO DRAIN COMPLETELY THROUGH LOWER EQUIPMENT FIXTURES, UNIONS, OR DRAIN VALVES. INSTALL A 1/2" DRAIN VALVE WITH 3/4" HOSE THREAD OUTLET IN ALL MAIN PIPING RUNS WHICH WOULD NOT BE ABLE TO DRAIN THRU A LOWER PIECE OF EQUIPMENT.
19. THE WATER SUPPLY SYSTEM SHALL BE TESTED BY PRESSURIZED WATER FROM THE INCOMING SERVICE. COMPRESSED AIR TESTING WILL NOT ALLOWED.
20. THE UNDERGROUND SANITARY, VENT AND STORM WASTE PIPING SYSTEMS SHALL BE TESTED WITH A FIVE-FOOT (5') HEAD OF WATER.
21. THE ABOVE GROUND WASTER AND VENT SYSTEM SHALL BE STACK TESTED WITH WATER TO THE HIGHEST FIXTURE OUTLET.
22. CELLULAR CORE PVC (ASTM F891) IS PROHIBITED MATERIAL.
23. ONLY TYPE L COPPER SHALL BE USED FOR ABOVEGROUND WATER SUPPLY AND STUBS/ROUGH-INS.
24. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FIXTURES, SINKS, ETC.
25. CONTRACTORS TO COORDINATE WITH ARCHITECTURAL PLANS FOR WALL AND CEILING TYPES PRIOR TO STARING WORK.
26. COORDINATE LOCATION OF CORE HOLES AND OPENINGS THRU FLOORS/WALLS WITH STRUCTURAL ENGINEER AND ARCHITECT PRIOR TO STARING WORK.
27. TO PROTECT AGAINST BACK SIPHONAGE ALL THREADED CONNECTIONS ON THE DOMESTIC WATER SYSTEMS ARE TO A VACUUM BREAKER PER ILLINOIS STATE PLUMBING CODE, 890.1130.
28. ALL INLINE FLOOR CLEANOUTS & YARD CLEANOUTS ARE TO BE INSTALLED AS TWO WAY CLEANOUT.
29. PATCH AND REFINISH ALL DAMAGED INSULATED SURFACES OF ALL EXISTING PLUMBING PIPING AND ASSOCIATED FITTINGS WHERE NEW CONNECTIONS ARE TO BE MADE.
30. ALL EXISTING PIPING INFORMATION SHOWN ON THIS DRAWING IS FROM INFORMATION GATHERED FROM LIMITED FIELD SURVEY AND OWNERS ORIGINAL DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY UNDERFLOOR PIPING LOCATIONS, SIZES, INVERTS AND FLOW VIA PIPE LOCATING/TELEVISING/X-RAY EQUIPMENT PRIOR TO SAW CUTTING OF FLOOR. IF SHOWN CONNECTION DOES NOT EXIST, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY. CONTRACTOR'S BID SHALL INCLUDE SAW CUTTING, PIPING, LABOR, PIPE LOCATING/TELEVISING/X-RAY, ETC. TO LOCATE, MAKE CONNECTIONS TO EXISTING PIPING OR CAP EXISTING PIPING WITHIN 10 FEET OF LOCATION SHOWN ON DRAWINGS.
31. ALL EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING TO REMAIN UNLESS OTHERWISE NOTED. AT COMPLETION OF PROJECT ALL EXISTING PLUMBING FIXTURES ARE TO BE IN PROPER WORKING ORDER.
32. DRAWINGS ARE GENERALLY DIAGRAMMATIC. PIPING AS SHOWN ON DRAWINGS DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTINGS, VALVES, EQUIPMENT, NOR EVERY STRUCTURAL ELEMENT. PIPING TO BE COORDINATED WITH ALL TRADES, STRUCTURAL ELEMENTS, REFLECTED CEILINGS, ETC. PIPING TO SHIFT LOCATION AS INDICATED AS REQUIRED TO MISS ANY OBSTRUCTIONS.

GENERAL DEMOLITION NOTES:

ALL EXISTING PIPING INFORMATION SHOWN ON THIS DRAWING IS FROM INFORMATION GATHERED FROM LIMITED FIELD SURVEY AND OWNERS ORIGINAL DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY ALL PIPING LOCATIONS, SIZES, INVERTS, AND FLOW. CONTRACTOR'S BID SHALL INCLUDE PIPE LOCATING/TELEVISING, SAW CUTTING, PIPING, LABOR, ETC. TO LOCATE, MAKE CONNECTIONS TO EXISTING UNDERFLOOR PIPING, OR CAP EXISTING UNDERFLOOR PIPING WITHIN 10 FEET OF LOCATION SHOWN ON DRAWINGS.

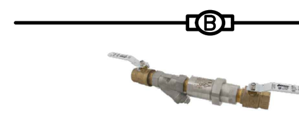
DRAWINGS ARE GENERALLY DIAGRAMMATIC. PIPING AS SHOWN ON DRAWINGS DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING, NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE DEMOLITION OF THIS WORK.

DEAD ENDS ON DOMESTIC WATER DISTRIBUTION PIPING ARE PROHIBITED. A DEVELOPED LENGTH OF TWO (2) FEET OR MORE SHALL BE CONSIDERED A DEAD END. DEAD ENDS ALSO SHALL BE AVOIDED IN A DRAINAGE SYSTEM, EXCEPT WHERE NECESSARY TO EXTEND THE SYSTEM TO INSTALL A CLEANOUT IN AN ACCESSIBLE LOCATION.

PLUMBING SYMBOLS AND ABBREVIATIONS

AFF.	ABOVE FINISHED FLOOR
BFP	BACK FLOW PREVENTER
BOP	BOTTOM OF PIPE
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
DN.	DOWN
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
GPM	GALLONS PER MINUTE
HW	HOT WATER
HWC	HOT WATER CIRCULATING
HWC	HANDICAP WATER CLOSET
HU	HANDICAP URINAL
HL	HANDICAP LAVATORY
INV.	INVERT ELEVATION
L	LAVATORY
MB	MOP BASIN
NC	NEW CONNECTION
S	SINK
SA	SANITARY
ST	STORM
TMV	THERMOSTATIC MIXING VALVE
TYP.	TYPICAL
U	URINAL
V	VENT
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT (ROUND)
FCO	FLOOR CLEANOUT (SQUARE)
FD	FLOOR DRAIN (ROUND)
FD	FLOOR DRAIN (SQUARE)

CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
SA	SUSPENDED SANITARY SEWER
ST	SUSPENDED STORM SEWER
SA	UNDERGROUND SANITARY SEWER
ST	UNDERGROUND SANITARY SEWER
SA	EXISTING UNDERGROUND SANITARY SEWER
ST	EXISTING UNDERGROUND STORM SEWER
V	EXISTING SUSPENDED VENT PIPING
V	SUSPENDED VENT PIPING
	PIPING TO BE REMOVED (DEMOLITION DRAWING ONLY)
	GATE VALVE
	CHECK VALVE
	BALL VALVE (2" & SMALLER) BUTTERFLY VALVE (2 1/2" & LARGER)
B	CIRCUITSOLVER MODEL# CSUAS: SELF-ACTUATING THERMOSTATIC BALANCING VALVE WITH UNION BODY, BALL VALVES AND CHECK VALVE ASSEMBLY
	DIRECTION OF FLOW
PITCH	PITCH OF PIPE (DOWN)
	PIPE ELBOW (TURNED UP)
	PIPE ELBOW (TURNED DOWN)
	PIPE TEE DOWN (DROP)
	PIPE TEE UP
	PIPE TEE UP OR ANGLE
	PIPE TEE DOWN OR ANGLE
NC	NEW CONNECTION
	WALL HYDRANT
	CLEANOUT IN SUSPENDED CEILING
	PIPE CAP



GENERAL CEILING NOTE:

REFER TO ARCHITECTURAL PLANS FOR CEILING WORK IN CONTRACT TO BE PERFORMED BY OTHER TRADES. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK NOT SHOWN ON ARCHITECTURAL PLANS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REMOVAL AND REPLACEMENT OF LIGHTS, SPEAKERS, SMOKE DETECTORS, ETC., AS WELL AS REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED.

GENERAL WALL NOTE:

REFER TO ARCHITECTURAL PLANS FOR WALL WORK IN CONTRACT TO BE PERFORMED BY OTHER TRADES. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY WALL WORK NOT SHOWN ON ARCHITECTURAL PLANS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REMOVAL AND REPLACEMENT OF ANY WALL MOUNTED ITEMS, ETC., AS WELL AS REPLACEMENT OF ANY WALL MOUNTED ITEMS, ETC. THAT ARE DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED ANY WALL MOUNTED ITEMS OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS.

FLOOR SAW CUTTING NOTES:

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONNECTION LOCATIONS, SIZE, DIRECTION AND DEPTH VIA PIPE LOCATING/TELEVISING EQUIPMENT PRIOR TO SAW CUTTING OF FLOOR. IF SHOWN CONNECTION DOES NOT EXIST, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY.
2. WHEN SAW CUTTING EXISTING FLOOR, CONTRACTOR SHALL USE CAUTION/X-RAY DETECTION TO PREVENT CUTTING OF ANY EXISTING UNDERFLOOR UTILITIES. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UNDERFLOOR UTILITIES PRIOR TO CUTTING FLOOR. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR ANY DAMAGES TO THE EXISTING UNDERFLOOR UTILITIES IF DAMAGES OCCURRED DURING CONSTRUCTION AT NO COST TO THE OWNER.
3.
REPLACE WITH 5" CONCRETE SLAB INFILL WITH ONE LAYER 6x6-8/8 WWF 1" CLR TO TOP ON VAPOR BARRIER OVER COMPACTED GRANULAR FILL-TYPICAL (FIELD VERIFY EXISTING SLAB THICKNESS) EXERCISE CARE SO AS NOT TO UNDERMINE OR DISTURB BUILDING FOUNDATIONS OR REMAINING SLAB ON GRADE. SLOPE EXCAVATIONS AS REQUIRED TO GRADUALLY REACH THE
4. ELEVATIONS.

AT THE COMPLETION OF THE FLOOR PATCH TO MATCH EXISTING CONTRACTOR SHALL REFER TO ARCHITECTURAL DOCUMENTS FOR NEW FLOOR FINISHES. CONTRACTOR TO COORDINATE WITH ARCHITECT AND REFER TO GENERAL REMODELING NOTE #10 THIS SHEET FOR ADDITIONAL INFORMATION.

SHOP DRAWINGS/COORDINATION NOTE:

THE CONTRACTORS SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR EACH TRADE OF THIS PROJECT: SHEET METAL, HVAC PIPING, BAS, PLUMBING, FIRE PROTECTION, ELECTRICAL, ETC. THE SHOP DRAWINGS SHALL BE FULLY COORDINATED BY THE CONTRACTORS FOR EACH TRADE AND THE STRUCTURAL ENGINEER FOR ALL OPENINGS AND RECESSED DEVICES PRIOR TO THE START OF CONSTRUCTION. THE SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER AND ARCHITECT.

POINT OF USE MIXING VALVE NOTE:

1. POINT OF USE MIXING VALVE TMV-1 TO BE MOUNTED UNDER ALL LAVATORIES & SINKS THAT PEOPLE MAY WASH HANDS. MIXING VALVE SET TO DISCHARGE 105°F. REFER TO LAVATORY MIXING VALVE DETAIL ELSEWHERE FOR MIXING VALVE MOUNTING REQUIREMENTS.
2. AT THE COMPLETION OF THE PROJECT THE PLUMBING CONTRACTOR IS TO ENSURE ALL EXISTING AND NEWLY INSTALLED POINT-OF-USE THERMOSTATIC MIXING VALVES THROUGHOUT THE BUILDING THAT MAY BE AFECTED BY ANY DOMESTIC WATER SHUT DOWNS ARE CLEAN OF ANY DEBRIS/SEDIMENT AND SET TO DISCHARGE 105°F AND ALL NEWLY INSTALLED PLUMBING FIXTURES ARE IN PROPER WORKING ORDER.

PVC MATERIAL NOTE:

PVC PIPING IS NOT ALLOWED IN ANY MECHANICAL RETURN PLENUM CEILINGS. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL CONTRACTOR FOR THE EXACT LOCATIONS OF RETURN PLENUM CEILINGS.

PVC PIPING SHALL NOT BE USED FOR ANY SANITARY DRAINAGE PIPING SYSTEM CAPABLE OF RECEIVING WASTE WATER WITH A TEMPERATURE EXCEEDING 120 DEGREES. REFER TO MECHANICAL DRAWINGS AND PLUMBING DRAWINGS FOR LOCATIONS OF EQUIPMENT WITH HIGH WATER DISCHARGE. PVC SHALL NOT BE USED TO SERVE ANY FLOOR DRAINS IN MECHANICAL ROOMS WITH BOILERS OR WATER HEATERS.

WHEN PVC PIPING IS INSTALLED WITHIN PLUMBING CHASES OR WALLS, PRIOR TO THE PVC EXITING THE CHASE/WALL THE PVC PIPING SHALL TRANSITION TO THE APPROPRIATE NON-PVC MATERIAL (METALLIC PIPING) WHEN THE ADJACENT CEILING SPACE IS A MECHANICAL RETURN PLENUM. AS WELL IF PVC PIPING IS INSTALLED WITHIN PLUMBING CHASES OR WALLS, PRIOR TO THE PVC EXITING THE CHASE/WALL TO THE FLOOR BELOW OR FLOOR ABOVE THE PVC PIPING SHALL TRANSITION TO THE APPROPRIATE NON-PVC MATERIAL (METALLIC PIPING) WHEN THE CEILING SPACE OF THE FLOOR BELOW OR THE CEILING SPACE OF THE FLOOR ABOVE IS A MECHANICAL RETURN PLENUM. WRAPPING OF PVC PIPING WITH A FIRE BLANKET PIPE WRAP OR FIRE WRAP INSULATION FOR INSTALLATION OF PVC PIPING IN A MECHANICAL RETURN PLENUM WILL NOT BE ACCEPTED.

REFER TO SPECIFICATION SECTION 22 05 03 PIPES AND TUBES FOR PLUMBING PIPING AND EQUIPMENT FOR ADDITIONAL INFORMATION.

PLUMBING HOT WATER RECIRCULATION NOTE:

THE CONTRACTORS SHALL ROUTE HOT WATER RECIRCULATION PIPING DOWN OR UP IN WALL/CHASE TO HOT WATER STOP VALVE ROUGH-IN AT ALL PUBLIC LAVATORIES, HAND SINK AND SINKS. A MINIMUM OF 6" OF UN-CIRCULATED PIPING IS PERMITTED AT EACH PUBLIC LAVATORIES, HAND SINK AND SINKS TO MEET THE ENERGY CODE REQUIREMENTS.

GENERAL UNDERFLOOR NOTE:

UNDERFLOOR PLUMBING PLANS ARE DIAGRAMMATIC, CONTRACTOR TO COORDINATE PIPE ROUTING WITH FOOTINGS AND FOUNDATIONS. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS, SIZES, ELEVATIONS, ETC OF FOOTINGS AND FOUNDATIONS. 4" AND LARGER UNDERFLOOR PIPING TO BE INSTALLED AT A MINIMUM OF 1/8 INCH PER FOOT. 3" AND SMALLER UNDERFLOOR PIPING TO BE INSTALLED AT A MINIMUM OF 1/4 INCH PER FOOT. UNDERFLOOR PIPING INSTALLED PARALLEL TO FOOTINGS SHALL NOT BE CLOSER THAN 18 INCHES OR EXTEND BELOW THE 45° BEARING PLANE.

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AN ADMIN. BASEMENT RENOVATION FOR:
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501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE
DRWN: JML	CHK'D: SJS / APPRV'D: SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER P2.0

FILE: F:\788-E-2\P\788E2 P2.0.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:21 PM

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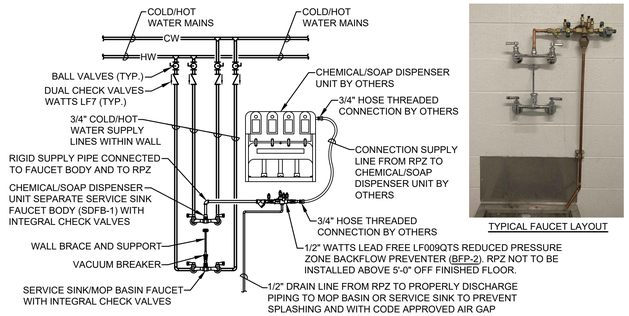
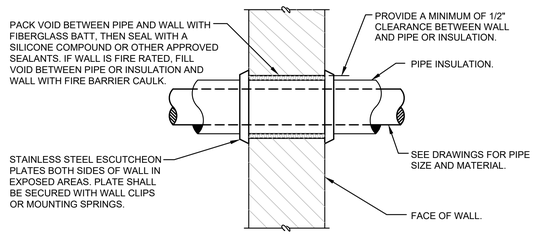


TYPICAL FAUCET LAYOUT

NOTE:
1. THE ADDITIONAL CHEMICAL/SOAP DISPENSER UNIT SEPARATE SUPPLIES PIPING, FAUCET BODY, AND BACKFLOW PREVENTOR IS REQUIRED IF A CHEMICAL/SOAP DISPENSER UNIT/SYSTEM OR HOSE FEED CHEMICAL/SOAP DISPENSERS ARE BEING USED.

CHEMICAL/SOAP DISPENSER FAUCET DETAIL

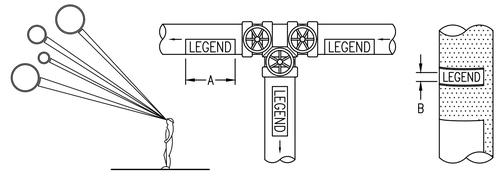
NO SCALE



NOTES:
1. I.D. OF WALL OPENING TO BE A MIN. OF 1/2" LARGER THAN O.D. OF PIPE OR INSULATION PASSING THROUGH WALL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WALL OPENINGS WITH OTHER TRADES AND/OR CONTRACTORS.
3. PIPE PENETRATIONS OF SMOKE OR FIRE WALLS SHALL BE IN COMPLIANCE WITH NFPA-90A.

PIPE PENETRATION OF INTERIOR WALL DETAIL

NO SCALE



NOTE:
IDENTIFICATION MARKERS OR STRIPS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 50'-0" INTERVALS AND AT ALL VALVES AND BRANCHES AND ON BOTH SIDES OF WALLS WHERE PIPES PASS THROUGH SAME. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS		
OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1-1/4"	8"	1/2"
1-1/2" TO 2"	8"	3/4"
2"-1/2" TO 6"	12"	1-1/4"

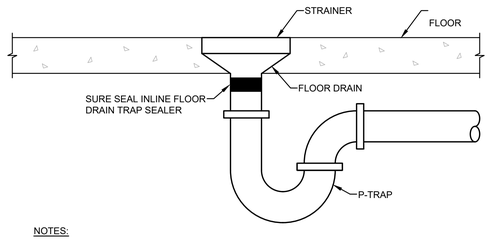
SERVICE	BACKGROUND OR COLOR BAND	IDENTIFICATION MARKER
DOMESTIC COLD WATER	GREEN	WHITE ON GREEN
DOMESTIC HOT WATER	YELLOW	BLACK ON YELLOW
DOMESTIC HOT WATER RECIRC.	YELLOW	BLACK ON YELLOW
PLUMBING VENT	GREEN	WHITE ON GREEN
SANITARY DRAIN	GREEN	WHITE ON GREEN
STORM WATER	GREEN	WHITE ON GREEN
STORM OVERFLOW	GREEN	WHITE ON GREEN

TYPICAL PIPE IDENTIFICATION MARKERS

NO SCALE

SANITARY STACK CLEANOUT DETAIL

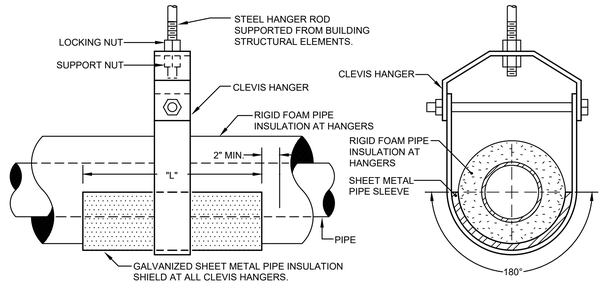
NO SCALE



NOTES:
1. SURE SEAL INLINE FLOOR DRAIN TRAP SEALER TO BE INSTALLED AT EVERY FLOOR DRAIN.
2. SURE SEAL INLINE FLOOR DRAIN TRAP SEALER TO MEET BOTH IPC 709.1 & ASSE 1072 PLUMBING CODE STANDARDS FOR ALL FLOORS AND ALL FLOOR DRAIN FLOW RATES.
3. REFER TO DRAWINGS FOR DRAIN & PIPE SIZE.

TRAP SEALER DETAIL

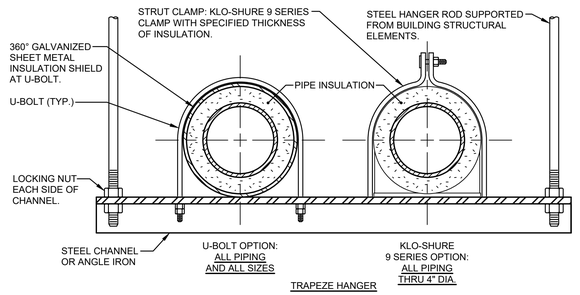
NO SCALE



CLEVIS HANGER

PIPE INSULATION SHIELD SCHEDULE		
PIPE SIZE	LENGTH	GAUGE
UP TO 3/4"	8"	20 GA.
1" - 2"	12"	18 GA.
2 1/2" - 4"	12"	16 GA.
5" & 6"	18"	16 GA.
8" & UP	24"	14 GA.

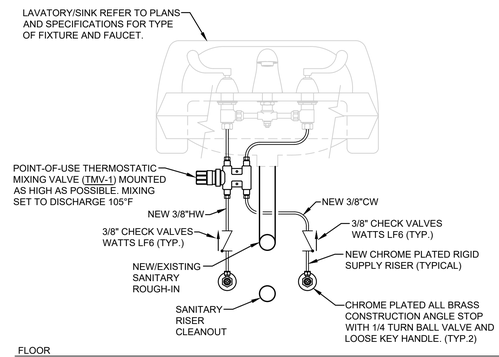
NOTE:
1. CONFER WITH ARCHITECT AND REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON ACCEPTABLE METHODS AND LOCATIONS FOR HANGER SUPPORTS.
2. INSULATION IS NOT TO BE CUT OR NOTCHED OUT AT SUPPORT HANGER (CLEVIS OR TRAPEZE) LOCATIONS.



TRAPEZE HANGER

TYPICAL PIPE HANGER DETAILS

NO SCALE



NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR LAVATORY/SINK MOUNTING HEIGHTS.
2. P-TRAP, TAIL PIECE, AND WASTE ARM ARE NOT SHOWN FOR CLARITY.
3. FOR HANDICAP LAVATORY/SINK INSTALLATION ALL WASTE PIPING UNDER SINK SHALL BE WRAPPED WITH PROTECTIVE PIPE COVERS.
4. FOR HANDICAP LAVATORY/SINK INSTALLATION ANGLE STOP VALVES AND SUPPLY RISERS SHALL BE WRAPPED WITH PROTECTIVE PIPE COVERS. SUPPLY RISERS SHALL BE WRAPPED FROM STOP VALVES TO MIXING VALVE. ENDS OF PROTECTIVE WRAP SHALL BE CUT SQUARE AND TIE WRAPPED CLOSED.
5. THERMOSTATIC MIXING VALVE (TMV-1) IS TO BE MOUNTED AS HIGH AS POSSIBLE. CONTRACTOR WILL BE RESPONSIBLE FOR ANY REINSTALLATION OF ANY THERMOSTATIC MIXING VALVE THAT IS NOT INSTALLED AS HIGH AS POSSIBLE AS NOTED.

LAVATORY/SINK INSTALLATION DETAIL

NO SCALE

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RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

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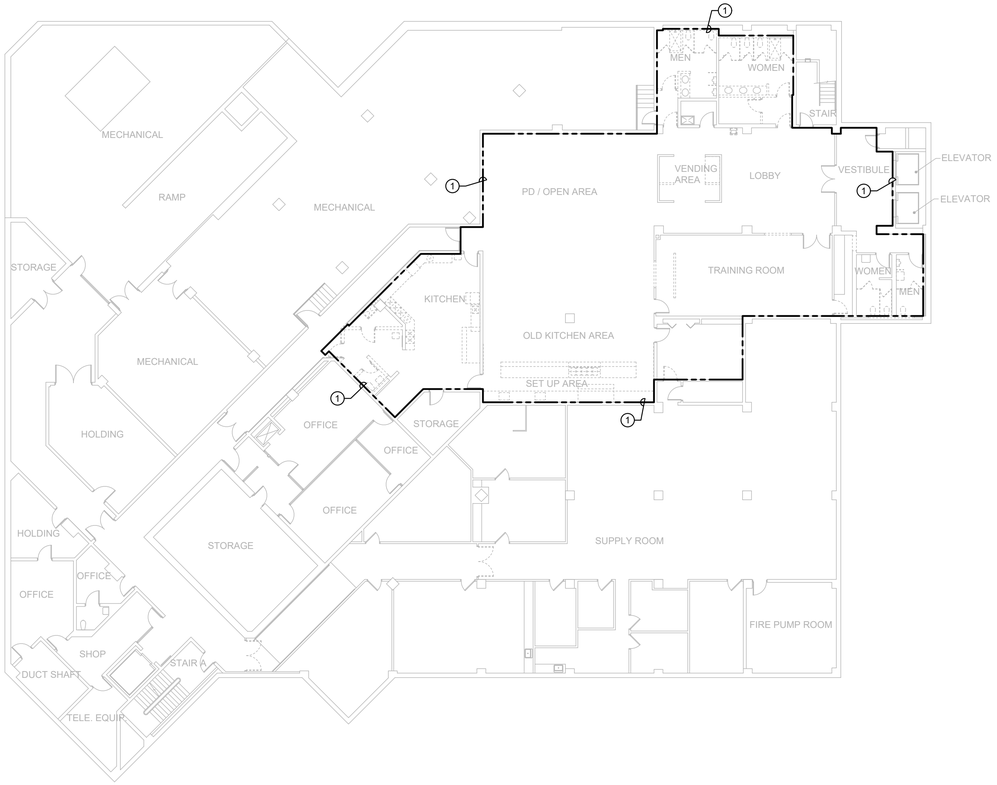
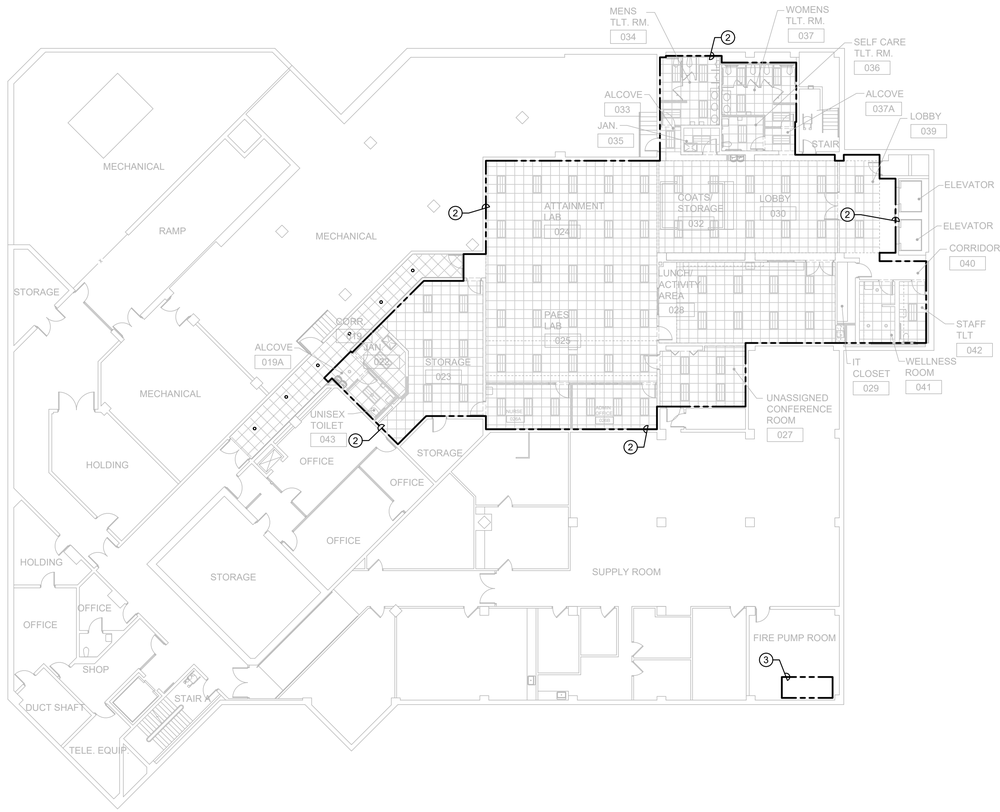


BASEMENT DEMOLITION – FIRE PROTECTION PLAN

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

North Project

North True



BASEMENT – FIRE PROTECTION PLAN

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

North Project

North True

DESIGN CRITERIA:

THESE DRAWINGS ARE FOR REFERENCE ONLY AND REPRESENTS A GENERAL SCHEMATIC DESIGN INTENT. CONTRACTOR SHALL PROVIDE A COMPLETE HYDRAULICALLY CALCULATED AND OPERATING SPRINKLER SYSTEM TO THE ENTIRE BUILDING. SPRINKLER INSTALLATION SHALL COMPLY WITH INTERNATIONAL BUILDING CODE 2015 EDITION, INTERNATIONAL FIRE CODE 2015 EDITION AND NFPA 13 2013 EDITION.

LIGHT HAZARD
SPRINKLERS IN AREAS INCLUDING BUT NOT LIMITED TO OFFICE AREAS, CORRIDORS, TOILET ROOMS, CONFERENCE ROOMS, LOBBY, LUNCH ROOMS, ETC. TO BE SPACED FOR LIGHT HAZARD OCCUPANCIES.

ORDINARY HAZARD GROUP 1
SPRINKLERS IN AREAS INCLUDING BUT NOT LIMITED TO MECHANICAL AREAS, STORAGE ROOMS, JANITORS CLOSET, ETC. TO BE SPACED FOR ORDINARY HAZARD GROUP 1 OCCUPANCIES.

GENERAL NOTES:

THE EXISTING SPRINKLER SYSTEM TO BE MODIFIED IN THE AREAS AS INDICATED ON THE PLANS. CONTRACTOR SHALL FIELD VERIFY EXISTING BUILDING CONDITIONS. NOT ALL PORTIONS OF THE EXISTING BUILDING ARE SPRINKLED.

THE PLAN DRAWINGS ARE CONCEPTUAL AND REPRESENT MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO LIMIT THE CONTRACTORS RESPONSIBILITY UNDER HIS CONTRACT. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ONGOING OPERATIONS, FIELD SURVEY, AND THE CHECKING OF PIPE ROUTING TO AVOID POTENTIAL INTERFERENCES, PRIOR TO PIPE INSTALLATION AND/OR PIPE FABRICATION. ROUTING OF NEW PIPING AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING THAT MAY BE ENCOUNTERED. CONTRACTOR SHALL COORDINATE NEW PIPE ROUTING, NEW SPRINKLER HEAD LOCATIONS, ETC. WITH THE NEW WORK OF OTHER TRADES AND NEW STRUCTURE.

CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS TO FAMILIARIZE THEMSELVES WITH THE AREAS OF WORK WITHIN THE BUILDING AND THE EXTENT OF WORK.

CONTRACTOR TO PROVIDE ADEQUATE SPRINKLER COVERAGE PER NFPA 13 TO ALL AREAS INDICATED ON THE DRAWINGS. COORDINATE SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL DRAWINGS, LIGHTING PLANS AND ALL OTHER TRADES.

CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE TEMPERATURE RATED SPRINKLER HEADS PER NFPA BASED ON THE ROOM USE AND TYPES OF HEAT GENERATING EQUIPMENT WITHIN THE ROOM. REFER TO ARCHITECTURAL DRAWINGS AND OTHER TRADE DRAWINGS FOR ADDITIONAL INFORMATION ON ROOM USE AND HEAT GENERATING EQUIPMENT.

SPRINKLER PIPING SHALL NOT BE INSTALLED DIRECTLY OVER ANY ELECTRICAL EQUIPMENT PANELS. CONTRACTOR TO COORDINATE ROUTING WITH ALL EXISTING AND NEW ELECTRICAL PANELS.

ALL SPRINKLER HEADS IN MECHANICAL ROOMS, STORAGE ROOMS OR IN AREAS SUBJECTED TO MECHANICAL INJURY SHALL HAVE AN APPROVED HEAD GUARD.

COORDINATE SPRINKLER HEAD PLACEMENT IN CEILING WITH MECHANICAL SUPPLY DIFFUSERS, RADIANT CEILING PANELS, CABINET UNIT HEATERS OR ANY CEILING MOUNTED HEAT GENERATING EQUIPMENT. SPRINKLER HEADS SHALL NOT BE PLACED DIRECTLY ADJACENT TO THESE DEVICES AND HAVE THE REQUIRED SEPARATION TO PREVENT A FALSE SPRINKLER HEAD DISCHARGE.

SPRINKLER CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING INCOMING WATER SERVICE, SIZE OF FIRE PROTECTION SERVICE, ZONING OF EXISTING SERVICE, WATER PRESSURE, EXISTING FIRE PUMP CAPACITY, ETC.

REFER TO ARCHITECTURAL DRAWINGS FOR CEILING ELEVATIONS, LIGHTING LAYOUTS. ETC. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL CEILING MOUNTED DEVICES SUCH AS LIGHTS, SPEAKER, DIFFUSERS, ETC. COORDINATE NEW SPRINKLER HEAD LOCATIONS WITH OTHER TRADES.

DRAWING NOTES:

1. WITHIN OUTLINED AREA REMOVE EXISTING CHROME PLATED SEMI-RECESSED SPRINKLER HEADS, SPRINKLER HEAD ESCUTCHEONS, ARM-OVER PIPING, HANGERS, ETC. REMOVE ARM-OVER PIPING BACK TO NEAREST BRANCH PIPING FOR NEW CONNECTION. CONTRACTOR TO FIELD VERIFY EXISTING SPRINKLER HEAD LOCATIONS, EXISTING PIPE ROUTING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON THE EXTENT OF DEMOLITION WORK THAT WILL AFFECT THIS TRADES WORK.

2. WITHIN OUTLINED AREA PROVIDE NEW SPRINKLER HEADS AND NEW ARM-OVER PIPING. NEW SPRINKLER HEADS SHALL BE WHITE SEMI-RECESSED PENDENT SPRINKLERS WITH WHITE ESCUTCHEON PLATE WITHIN LAY-IN ACOUSTICAL CEILINGS OR GYPSUM BOARD CEILINGS. NEW ARM-OVER PIPING OR NEW RETURN BEND PIPING SHALL BE ROUTED BACK TO EXISTING BRANCH PIPING FOR NEW CONNECTION TO EXISTING LOCATION ON EXISTING BRANCH PIPING. IF REQUIRED MAKE NEW CONNECTION TO ADEQUATELY SIZED BRANCH PIPING OR MAIN PIPING. SPRINKLER HEADS SHALL BE INSTALLED TO PROVIDE ADEQUATE COVERAGE PER NFPA 13. CONTRACTOR TO PROVIDE APPROPRIATE TEMPERATURE RATED SPRINKLER HEADS PER NFPA BASED ON ROOM USE AND TYPE OF HEAT GENERATING EQUIPMENT. COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING MOUNTED DEVICES SUCH AS LIGHTS, SPEAKERS, FIRE ALARM, DIFFUSERS/REGISTERS, ETC. SPRINKLER HEADS SHALL BE INSTALLED UNDER ALL DUCTWORK OVER 48" IN WIDTH. REFER TO OTHER TRADES DRAWINGS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

3. APPROXIMATE LOCATION OF EXISTING INCOMING WATER SERVICE, FIRE PROTECTION SERVICE, EXISTING FIRE PUMP, EXISTING SPRINKLER RISERS, ETC. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.

SHOP DRAWINGS/COORDINATION NOTE:

DUE TO THE AVAILABLE SPACE ABOVE THE CEILINGS THE CONTRACTORS SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR EACH TRADE OF THIS PROJECT: SHEET METAL, HVAC PIPING, BAS, PLUMBING, FIRE PROTECTION, ELECTRICAL, ETC. THE SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER AND ARCHITECT AND FULLY COORDINATED BY ALL THE CONTRACTORS PRIOR TO THE START OF CONSTRUCTION.

CEILING NOTE:

REFER TO ARCHITECTURAL DRAWINGS FOR CEILING WORK TO BE PERFORMED BY OTHERS. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK NOT SHOWN ON ARCHITECTURAL DRAWINGS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/DEMOLITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION.

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AN ADMIN. BASEMENT RENOVATION FOR:

RPS DISTRICT 205 IFB 22-49 P2112

501 7TH ST. ROCKFORD, ILLINOIS 61104

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DRWN:	CHK'D:	APPRV'D:
TMC	SJS	SJS

DATE: 04-13-2022

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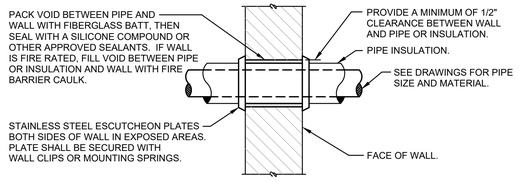
FIRE PROTECTION - GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE A COMPLETE HYDRAULICALLY DESIGNED FIRE PROTECTION SYSTEM TO THE NEW BUILDING AS INDICATE ON THE DRAWINGS.
2. SPRINKLER SYSTEM IS TO BE DESIGNED AND INSTALLED TO NFPA 13 2013 EDITION, 2015 INTERNATIONAL FIRE CODE AND 2015 INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND EQUIPMENT DATA FOR REVIEW PRIOR TO INSTALLING SPRINKLER SYSTEM.
4. CONTRACTOR SHALL PROVIDE WARRANTY FOR ALL MATERIAL AND GUARANTEE ALL WORKMANSHIP FOR (1) ONE YEAR FROM SUBSTANTIAL COMPLETION OF WORK.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL INSPECTIONS WITH THE AUTHORITY HAVING JURISDICTION.
6. A SIGN SHALL BE ATTACHED TO ALL CONTROL, DRAIN AND INSPECTORS TEST VALVES.
7. FIRE PROTECTION CONTRACTOR SHALL PROVIDE 1/8" SCALE PIPING SHOP DRAWINGS FOR COORDINATION WITH OTHER TRADES. DRAWINGS TO INDICATE DIMENSIONS, CUT LENGTHS OF PIPE AND CRITICAL ELEVATION OF PIPING, ETC.
8. ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED @ 200 PSI FOR NO LESS THAN 2 HOURS. THE FIRE DEPARTMENT SHALL BE NOTIFIED (NO LESS THAN 48 HOURS PRIOR) OF THE DATE AND TIME OF THE TEST AND MAY WITNESS IT IF SO DESIRED OR REQUIRED.
9. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS ABOVE AND BELOW MECHANICAL/ELECTRICAL DUCTS AND EQUIPMENT WHICH EXCEED 48 INCHES IN WIDTH IN ACCORDANCE WITH NFPA 13.
10. ALL MATERIAL USED ON THIS PROJECT SHALL BE AS CALLED FOR IN NFPA 13 AND SHALL BE UL LISTED.
11. SPRINKLER HEAD LOCATIONS AND SPRINKLER PIPING SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
12. ALL APPLICABLE PORTIONS OF NFPA PAMPHLETS, WHICH ADDRESS THE INSTALLATION DETAILED ON THESE PLANS, ARE HEREBY INCORPORATED BY REFERENCE AND MADE PART AND PARCEL OF THIS PLAN.
13. ALL FIRE PROTECTION PIPING SHALL BE SUSPENDED WITH NFPA APPROVED/LISTED PIPE HANGERS.
14. AUXILIARY DRAINS SHALL BE PROVIDED AT THE LOW POINT OF EACH TRAPPED SECTION OF PIPING AND IDENTIFYING SIGNS SHALL BE ATTACHED THERETO.
15. INSTALL ALL DRAIN VALVES IN ACCESSIBLE AREAS. FIELD COORDINATE LOCATION(S) WITH ARCHITECT/OWNER PRIOR TO INSTALLATION. PIPE TO NEAREST MOP BASIN OR EXTERIOR OF BUILDING.
16. A SPARE HEAD CABINET WITH THE APPROPRIATE NUMBER OF SPARE HEADS BY TYPE USED ON THIS PROJECT AND A HEAD WRENCH SHALL BE INSTALLED ADJACENT TO THE RISER.
17. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT/ENGINEER.
18. APPLICABLE INFORMATION ABOUT THE HYDRAULIC CALCULATION DATA SHALL BE POSTED IN A CONSPICUOUS PLACE NEAR THE SYSTEM RISERS.
19. A FLOW SWITCH SHALL BE PROVIDED ON EACH OF THE NEW SYSTEM RISERS AND SHALL BE CONNECTED TO THE NEW INSIDE/OUTSIDE BELLS AND STROBES. TAMPER SWITCH SHALL BE PROVIDED ON ALL NEW CONTROL VALVES. CONNECTION OF ALL ALARM DEVICES TO A CENTRAL STATION SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM SUB-CONTRACTOR.
20. ALL SPRINKLER HEADS IN MECHANICAL ROOMS, STORAGE ROOMS, GYMNASIUMS, OR IN AREAS SUBJECTED TO MECHANICAL INJURY SHALL HAVE AN APPROVED HEAD GUARD.
21. SPRINKLER PIPING SHALL NOT BE INSTALLED DIRECTLY OVER ANY ELECTRICAL EQUIPMENT PANELS.
22. SYSTEM COMPONENTS SHOWN INCLUDING BUT NOT LIMITED TO CONTROL VALVES, FLOW SWITCHES, SPRINKLER HEADS, INSPECTORS TESTS, SUPERVISORY SWITCHES, ETC. ARE MINIMUMS. CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE OPERATING SYSTEM IN ACCORDANCE WITH NFPA 13 AND AUTHORITY HAVING JURISDICTION.
23. ALL PIPING SHALL BE INSTALLED IN A RUST-FREE CONDITION.
24. THE USE OF BUSHINGS WILL NOT BE PERMITTED FOR THIS INSTALLATION.
25. FINAL HYDRAULIC CALCULATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PIPE SIZING SHOWN ON THE DRAWINGS REFLECT SCHEMATIC DESIGN AND FOR POTENTIAL SUPPOSITION PURPOSES IN THE FIRE PROTECTION SYSTEM LAYOUT.
26. ALL PIPING AND COMPONENTS NECESSARY FOR INSTALLATION MAY BE PREFABRICATED. HOWEVER, THE CONTRACTOR MUST BE WILLING TO REWORK PREFABRICATED PIPING, FITTINGS, AND THE LIKE, AS NECESSARY TO CONSTITUTE A PROPER APPROVED INSTALLATION, SITE CONDITIONS NOTWITHSTANDING, AT NOT ADDITIONAL COST TO THE OWNER.
27. THE INTERCONNECTION OF THE ALARM SUPERVISORY SIGNALS MUST BE APPROVED BY THE PROPER FIRE ALARM REPRESENTATIVE, AND WORKING PLANS INDICATING THE LOCATIONS OF ALL ELECTRICAL COMPONENTS SHALL BE FURNISHED TO THE FIRE ALARM CONTRACTOR.
28. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE DURING THE INSTALLATION AND TESTING PERIODS OF THE SPRINKLER WORK, FOR ANY DAMAGE TO THE WORK OF THE OWNER OR OTHERS, AND TO THE PROPERTY AND MATERIALS OF THE OWNER AND OTHERS CAUSED BY LEAKS IN THE SPRINKLER EQUIPMENT, FITTINGS, SPRINKLER HEADS, OR BY DISCONNECTED PIPES.
29. PROVIDE AT LEAST ONE FLUSHING CONNECTION FOR EACH CROSS-MAIN, PER AREA OF THE SYSTEM.
30. ALL EXPOSED PIPING WHICH PASSES THROUGH A WALL OR CEILING SHALL BE EQUIPPED WITH AN ESCUTCHEON PLATE.
31. ALL NEWLY INSTALLED SYSTEMS SHALL INCLUDE AN INSPECTOR'S TEST CONNECTIONS. CUTTING STRUCTURAL MEMBERS TO RUN PIPING, OR TO FACILITATE HANGER FASTENING, IS NOT PERMITTED.
32. THE PLAN DRAWINGS ARE CONCEPTUAL AND REPRESENT MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO LIMIT THE CONTRACTORS RESPONSIBILITY UNDER HIS CONTRACT. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ONGOING OPERATIONS, FIELD SURVEY, AND THE CHECKING OF PIPE ROUTING TO AVOID POTENTIAL INTERFERENCES, PRIOR TO PIPE INSTALLATION AND/OR PIPE FABRICATION.
33. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE TEMPERATURE RATED SPRINKLER HEADS PER NFPA BASED ON THE ROOM USE AND TYPES OF HEAT GENERATING EQUIPMENT WITHIN THE ROOM. REFER TO ARCHITECTURAL DRAWINGS AND OTHER TRADE DRAWINGS FOR ADDITIONAL INFORMATION ON ROOM USE AND HEAT GENERATING EQUIPMENT.
34. COORDINATE SPRINKLER HEAD PLACEMENT IN CEILING WITH MECHANICAL SUPPLY DIFFUSERS, RADIANT CEILING PANELS, CABINET UNIT HEATERS OR ANY CEILING MOUNTED HEAT GENERATING EQUIPMENT. SPRINKLER HEADS SHALL NOT BE PLACED DIRECTLY ADJACENT TO THESE DEVICES AND HAVE THE REQUIRED SEPARATION TO PREVENT A FALSE DISCHARGE.

FIRE PROTECTION SYMBOLS

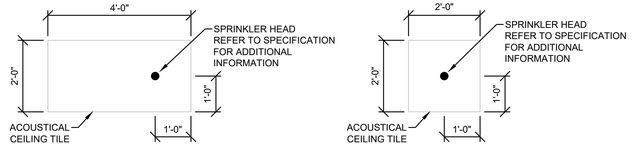
FP	FIRE PROTECTION (SPRINKLER) PIPE
	GATE VALVE
	PRESSURE GAUGE
FS	FLOW SWITCH
	DIRECTION OF FLOW
	PIPE ELBOW (TURNED UP)
	PIPE ELBOW (TURNED DOWN)
	PIPE TEE DOWN (DROP)
	PIPE TEE UP
	PIPE TEE UP OR ANGLE
	SUPERVISED OS&Y GATE VALVE
	PIPE CAP



NOTES:
1. I.D. OF WALL OPENING TO BE A MIN. OF 1/2" LARGER THAN O.D. OF PIPE OR INSULATION PASSING THROUGH WALL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WALL OPENING WITH OTHER TRADES AND/OR CONTRACTORS.
3. PIPE PENETRATIONS OF SMOKE OR FIRE WALLS SHALL BE IN COMPLIANCE WITH NFPA-90A.

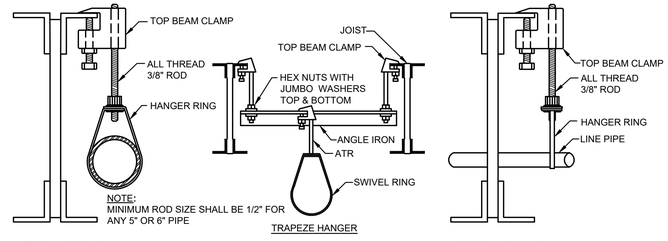
PIPE PENETRATION OF INTERIOR WALL ABOVE GRADE

NO SCALE



SPRINKLER HEAD LOCATION

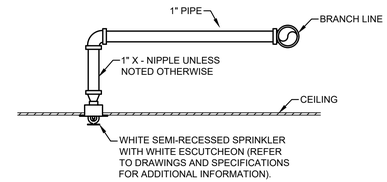
NO SCALE



CUTTING STRUCTURAL MEMBERS TO RUN PIPING OR TO FACILITATE HANGER FASTENING IS NOT PERMITTED

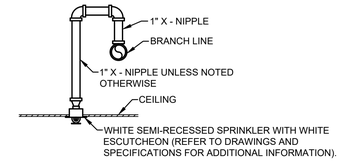
TYPICAL HANGER DETAILS

NO SCALE



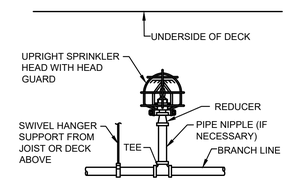
ARM OVER DETAIL

NO SCALE



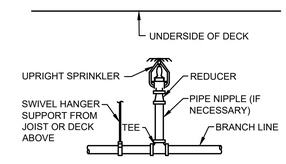
RETURN BEND DETAIL - SEMI RECESSED

NO SCALE



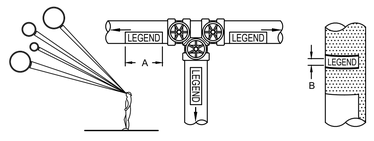
UPRIGHT SPRINKLER HEAD W/GUARD DETAIL

NO SCALE



UPRIGHT SPRINKLER HEAD DETAIL

NO SCALE



NOTE:
IDENTIFICATION MARKERS OR STRIPS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 50'-0" INTERVALS, ADJACENT TO ALL VALVES OR BRANCHES, AND AT BOTH SIDES OF WALL/FLOOR PENETRATIONS. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS		
OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1 1/4"	8"	1/2"
1 1/2" TO 2"	8"	3/4"
2" 1/2" TO 6"	12"	1 1/4"

SERVICE	BACKGROUND OR COLOR BAND	IDENTIFICATION MARKER
FIRE PROTECTION (SPRINKLER)	RED	WHITE ON RED

TYPICAL PIPE IDENTIFICATION MARKERS

NO SCALE

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Architecture Engineering Interiors

RENOVATION FOR:
AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205
501 7TH ST. ROCKFORD, ILLINOIS 61104
IFB 22-49 P2112

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
TMC	SJS	SJS

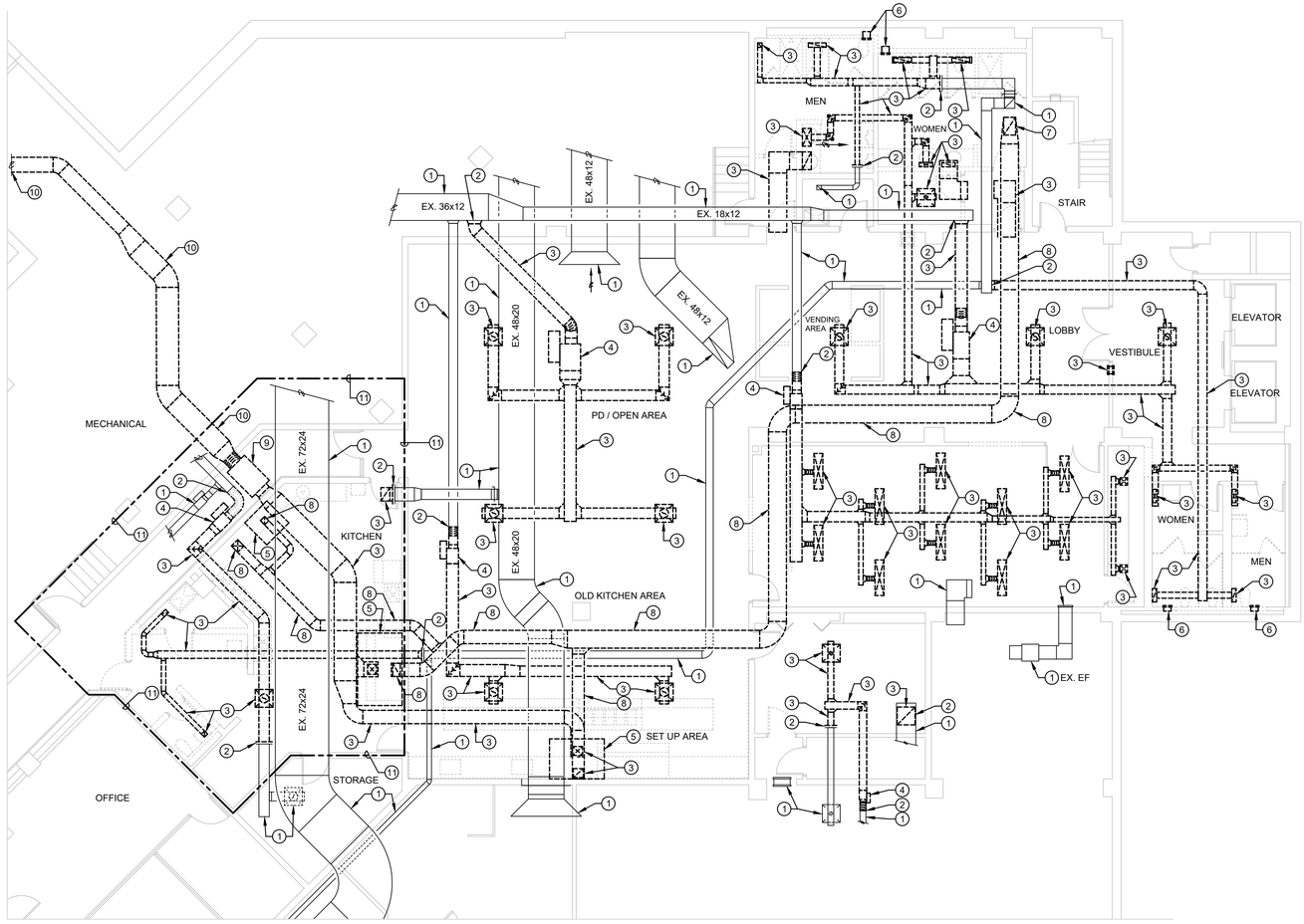
DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER FP2.0

FILE: F:\788-E-2\FP\788E2 FP2.0.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:06 PM

CS2 DESIGNGROUP LLC
837 Oakton Street
Elk Grove, IL 60007
Tel: 847-981-1880
Fax: 847-981-1885
www.cs2designgroup.com

DRAWING NOTES:

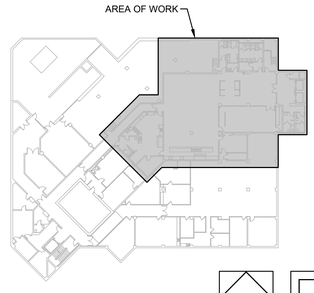
1. EXISTING HVAC EQUIPMENT, THERMOSTATS, DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, INSULATION, HANGERS, ETC. TO REMAIN.
2. NEW CONNECTION TO BE MADE AT THIS LOCATION. REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED BEYOND THIS POINT.
3. REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED.
4. REMOVE EXISTING VAV BOX / VVT DAMPER. REMOVE ASSOCIATED DUCTWORK, CONTROLS, ETC. AS SHOWN.
5. REMOVE EXISTING KITCHEN HOOD. REMOVE ASSOCIATED DUCTWORK, INSULATION, HANGERS, ETC. AS SHOWN. REMOVE EXISTING ANSUL FIRE SUPPRESSION SYSTEM.
6. REMOVE EXISTING HIGH / LOW WALL GRILLES. EXISTING WALLS TO REMAIN. PATCH WALL TO MATCH EXISTING SURROUNDING AREA. FOR ADDITIONAL INFORMATION, REFER TO ARCHITECTURAL DRAWINGS.
7. CAP EXISTING KITCHEN EXHAUST RISER AT SHAFT. CAP EXISTING KITCHEN EXHAUST RISER ON ROOF. REMOVE EXISTING KITCHEN EXHAUST UTILITY SET ON ROOF. EXISTING EXHAUST RISER IN SHAFT TO REMAIN.
8. REMOVE EXISTING KITCHEN EXHAUST DUCTWORK, HANGERS, INSULATION, ETC. SHOWN DASHED.
9. REMOVE EXISTING KITCHEN MAKE-UP AIR UNIT. REMOVE ALL ASSOCIATED DUCTWORK, INSULATION, HANGERS, POWER, CONTROLS, ETC. AS SHOWN.
10. REMOVE EXISTING OUTDOOR AIR INTAKE DUCTWORK BACK TO WALL LOUVER. PROVIDE INSULATED, GALVANIZED, SHEET METAL CAP OVER WALL LOUVER. FIELD VERIFY EXACT LOCATION.
11. PROVIDE WORK IN THIS AREA, ONLY IF ALTERNATE BID No. 1 IS ACCEPTED.



BASEMENT DEMOLITION – VENTILATION PLAN

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

North Project | North True



KEYPLAN

SCALE: NO SCALE

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
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501 7TH ST. ROCKFORD, ILLINOIS 61104

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JME	SJS	SJS

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SHEET NUMBER MD1.1

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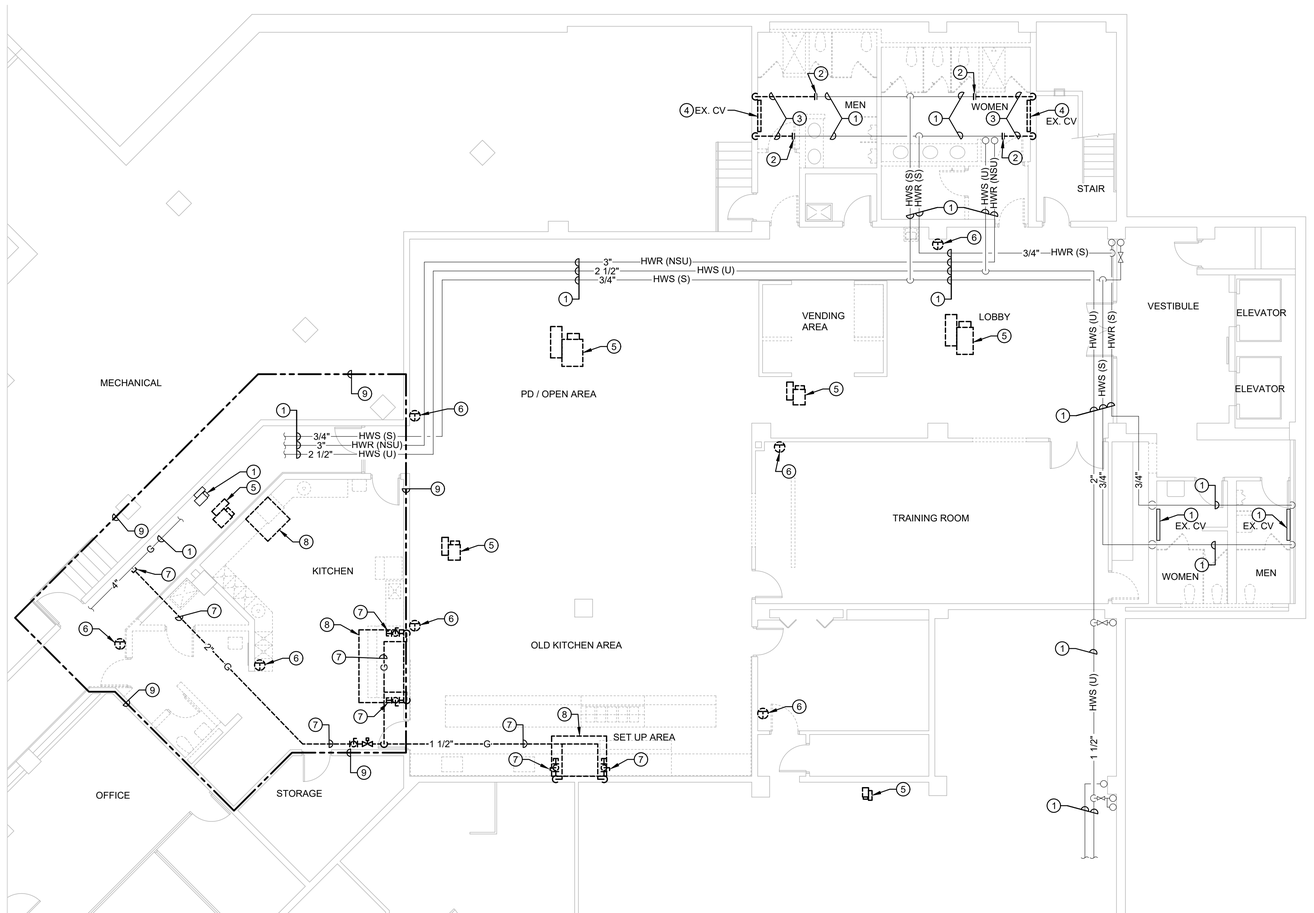
Elk Grove, IL 60007
Tel: 847-981-1880
Fax: 847-981-1885
www.cs2designgroup.com

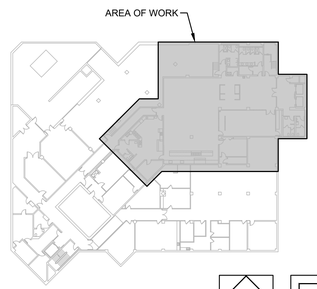
DRAWING NOTES:

1. EXISTING HVAC EQUIPMENT, THERMOSTATS, PIPING, VALVING, INSULATION, HANGERS, ETC. TO REMAIN.
2. NEW CONNECTION TO BE MADE AT THIS LOCATION. REMOVE ALL PIPING, VALVING, HANGERS, INSULATION, ETC. SHOWN DASHED BEYOND THIS POINT.
3. REMOVE ALL PIPING, VALVING, HANGERS, INSULATION, ETC. SHOWN DASHED.
4. REMOVE EXISTING CONVECTOR AND ALL ASSOCIATED PIPING, VALVING, CONTROLS, ETC. SHOWN DASHED. EXISTING WALLS TO REMAIN, PATCH WALL TO MATCH EXISTING SURROUNDING AREA. FOR ADDITIONAL INFORMATION, REFER TO ARCHITECTURAL DRAWINGS.
5. REMOVE EXISTING VAV BOX. REMOVE ASSOCIATED DUCTWORK, CONTROLS, ETC. AS SHOWN.
6. REMOVE EXISTING THERMOSTAT INCLUDING ALL ASSOCIATED CONDUIT, WIRING, PNEUMATIC TUBING, ETC. LOCATED ABOVE ANY ACCESSIBLE CEILING BETWEEN THERMOSTAT AND THE UNIT IT CONTROLS. PROVIDE BLANK COVER PLATE OVER ALL ABANDONED JUNCTION BOXES IN WALLS THAT ARE TO REMAIN.
7. REMOVE GAS ALL PIPING, VALVING, HANGERS, ETC. SHOWN DASHED AND CAP AT MAIN.
8. REMOVE EXISTING KITCHEN HOOD. REMOVE ASSOCIATED DUCTWORK, INSULATION, HANGERS, ETC. AS SHOWN. REMOVE EXISTING ANSUL FIRE SUPPRESSION SYSTEM.
9. PROVIDE WORK IN THIS AREA, ONLY IF ALTERNATE BID NO. 1 IS ACCEPTED.



BASEMENT DEMOLITION – PIPING PLAN
SCALE: 1/8" = 1'-0"

North Project | North True



KEYPLAN
SCALE: NO SCALE

North Project | North True

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

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DRWN:	CHK'D:	APPRV'D:
JME	SJS	SJS

DATE: 04-13-2022
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SHEET NUMBER MD1.2

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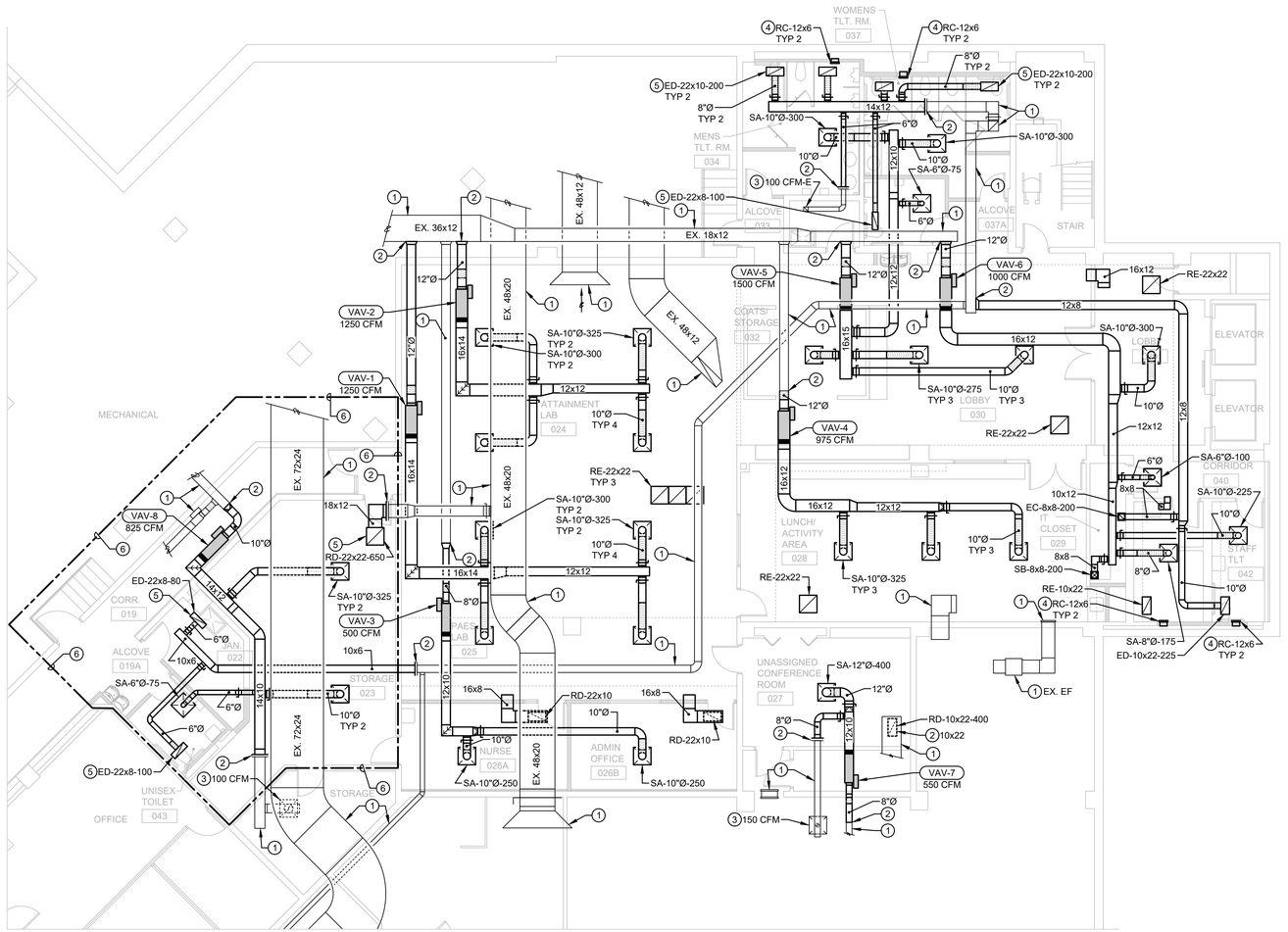


BASEMENT - VENTILATION PLAN

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

North Project

North True

DRAWING NOTES:

1. EXISTING HVAC EQUIPMENT, THERMOSTATS, DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, INSULATION, HANGERS, ETC. TO REMAIN.
2. MAKE NEW CONNECTION TO EXISTING DUCT AT THIS LOCATION.
3. EXISTING DIFFUSER/REGISTER TO REMAIN. REBALANCE TO AIR FLOW RATE SHOWN.
4. PROVIDE ALUMINUM HIGH / LOW TRANSFER GRILLES IN PLUMBING CHASE. LOCATE ONE AND CEILING LEVEL ONE AT FLOOR LEVEL.
5. PROVIDE 16" HIGH, INSULATED REGISTER/GRILLE NECK SIZED PLENUM, CONNECTED TO REGISTER/GRILLE. REFER TO DETAIL. (TYPICAL)
6. PROVIDE WORK IN THIS AREA, ONLY IF ALTERNATE BID NO. 1 IS ACCEPTED.

BUILDING AUTOMATION SYSTEM NOTES

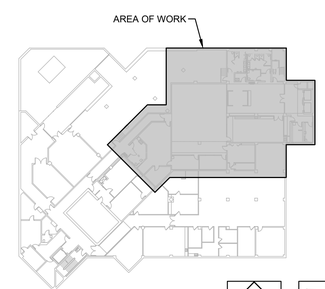
1. ALL TEMPERATURE CONTROL WORK SHALL MATCH THE EXISTING BUILDING AUTOMATION SYSTEM (BAS) CURRENTLY INSTALLED IN THE EXISTING BUILDING. TEMPERATURE CONTROLS CONTRACTOR TO PROVIDE ALL REQUIRED PROGRAMMING, CONTROL PANELS, CONTROLLERS, WIRING, DEVICES, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL TEMPERATURE CONTROLS SYSTEM. MECHANICAL CONTRACTOR SHALL COORDINATE WITH TEMPERATURE CONTROLS CONTRACTOR ON THE EXACT REQUIREMENTS.

CEILING NOTES

1. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED.
2. REFER TO ARCHITECTURAL PLANS FOR AREAS OF CEILING WORK.

FIRE DAMPER NOTE

1. CONTRACTOR IS RESPONSIBLE TO REFER TO THE ARCHITECTURAL PLANS FOR FIRE WALLS, FIRE BARRIERS, FIRE PARTITION AND SHAFT ENCLOSURE LOCATIONS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS FOR ALL NEW AND EXISTING DUCTWORK SHOWN PENETRATING THESE FIRE RATED ASSEMBLIES PER NFPA AND THE INTERNATIONAL BUILDING CODE REQUIREMENTS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS AT ALL FLOOR / DUCT PENETRATIONS. CONTRACTOR TO PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS LESS THAN 3 HOURS WITH A MINIMUM DAMPER RATING OF 1 1/2 HOURS AND PENETRATIONS OVER 3 HOUR SHALL HAVE A MINIMUM DAMPER RATING OF 3 HOURS. ALL TRANSFER DUCTWORK PENETRATING A CORRIDOR SHALL BE PROVIDED WITH A FIRE DAMPER (UNLESS THE CODE EXEMPTIONS ARE MET).



KEYPLAN

SCALE: NO SCALE

North Project

North True

Larson & Darby Group
Architecture Engineering Interiors

ISSUED FOR: AN ADMIN. BASEMENT RENOVATION FOR:
DATE
DRWN: JME
CHK'D: SJS
APPRV'D: SJS

IFB 22-49 P2112
RPS DISTRICT 205
501 7TH ST. ROCKFORD, ILLINOIS 61104

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER M1.1

CS2 DESIGNGROUP LLC
837 Oakton Street
Elk Grove, IL 60007
Tel: 847-981-1880
Fax: 847-981-1885
www.cs2designgroup.com

(#) DRAWING NOTES:

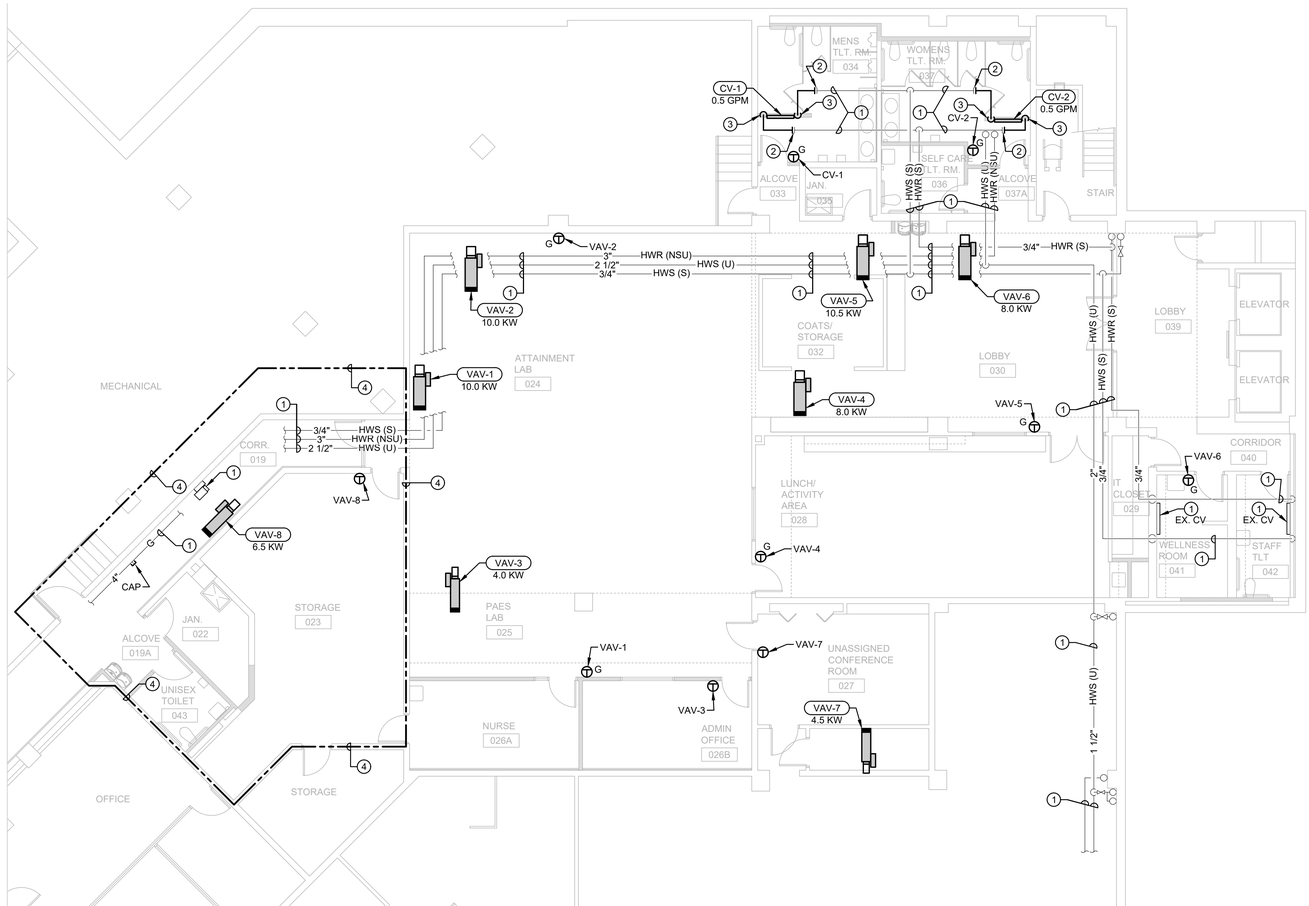
1. EXISTING HVAC EQUIPMENT, THERMOSTATS, PIPING, VALVING, INSULATION, HANGERS, ETC. TO REMAIN.
2. MAKE NEW CONNECTION TO EXISTING PIPING AT THIS LOCATION.
3. ROUTE 3/4" HWS/R PIPING DOWN IN NEW WALL TO CONVECTOR. PROVIDE VALVING ABOVE CEILING OR IN UNIT WITH ACCESS PANEL, TO BE ACCESSIBLE FOR SERVICE AND MAINTENANCE.
4. PROVIDE WORK IN THIS AREA, ONLY IF ALTERNATE BID NO. 1 IS ACCEPTED.

BUILDING AUTOMATION SYSTEM NOTES

1. ALL TEMPERATURE CONTROL WORK SHALL MATCH THE EXISTING BUILDING AUTOMATION SYSTEM (BAS) CURRENTLY INSTALLED IN THE EXISTING BUILDING. TEMPERATURE CONTROLS CONTRACTOR TO PROVIDE ALL REQUIRED PROGRAMMING, CONTROL PANELS, CONTROLLERS, WIRING, DEVICES, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL TEMPERATURE CONTROLS SYSTEM. MECHANICAL CONTRACTOR SHALL COORDINATE WITH TEMPERATURE CONTROLS CONTRACTOR ON THE EXACT REQUIREMENTS.

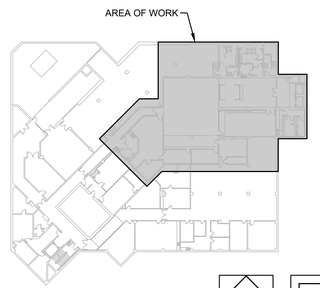
CEILING NOTES

1. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED.
2. REFER TO ARCHITECTURAL PLANS FOR AREAS OF CEILING WORK.



BASEMENT - PIPING PLAN
SCALE: 1/8" = 1'-0"

North Project | North True



KEYPLAN
SCALE: NO SCALE

North Project | North True

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE	DRWN:	CHK'D:	APPRV'D:
		JME	SJS	SJS

DATE: 04-13-2022
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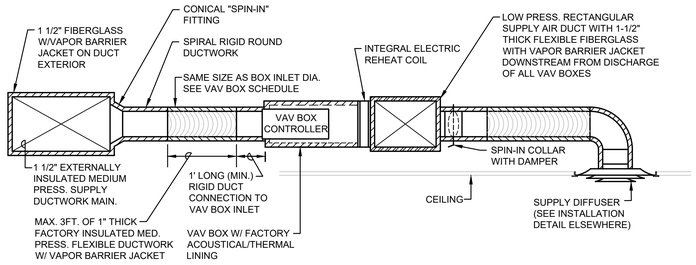
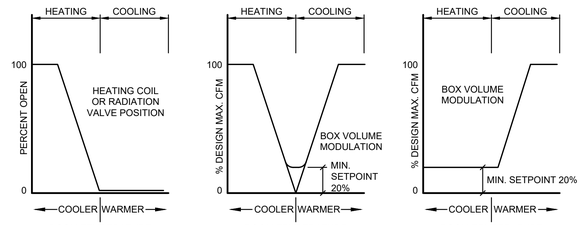
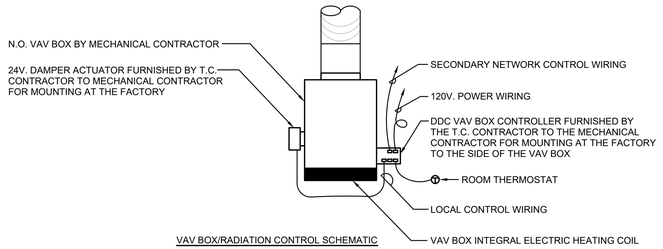


VAV BOX INSTALLATION DETAIL

NO SCALE





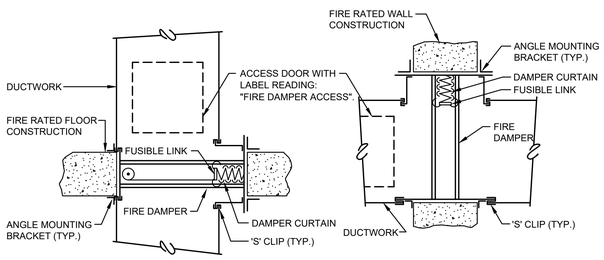
VAV BOX/RADIATION CONTROL SCHEMATIC
NO SCALE

NOTES:
1. ALL WORK SHOWN ABOVE SHALL BE BY THE TC CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.

2. VAV BOX SHALL BE COMPLETE WITH BOX MANUFACTURER'S STANDARD AIRFLOW VELOCITY PRESSURE SENSOR AND CONTROL TRANSFORMER.

VAV BOX CONTROL SEQUENCES AND SCHEMATIC DIAGRAM

NO SCALE

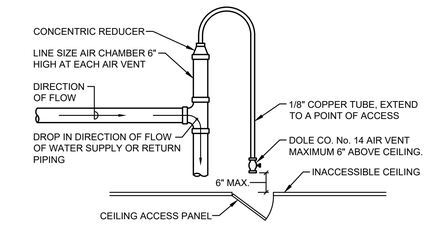


FLOOR DAMPER WALL DAMPER

NOTES:
1. PROVIDE FIRE DAMPERS AT LOCATIONS INDICATED, WHERE DUCTS AND OUTLETS PASS THROUGH FIRE RATED WALLS/FLOORS AND WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION. FOR ADDITIONAL INFORMATION ON FIRE RATING AND SEPARATIONS,, REFER TO ARCHITECTURAL DRAWINGS
2. ACCESS DOORS TO BE SIZED/LOCATED SUCH THAT RESETTING FIRE DAMPER LINK CAN BE ACCOMPLISHED VIA ACCESS DOOR.
3. MINIMUM SIZE IS 12"X12". PROVIDE MULTIPLE ACCESS DOORS AT WIDE DUCTS.
4. COORDINATE GENERAL CONTRACTOR FURNISHED/INSTALLED WALL OR CEILING ACCESS PANELS REQUIRED AT OTHERWISE INACCESSIBLE LOCATIONS.
5. PROVIDE FIRE DAMPERS AT ALL FLOOR PENETRATIONS.
6. CONTRACTOR TO PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS LESS THAN 3 HOURS WITH A MINIMUM DAMPER RATING OF 1 1/2 HOURS AND PENETRATIONS OVER 3 HOUR SHALL HAVE A MINIMUM DAMPER RATING OF 3 HOURS.

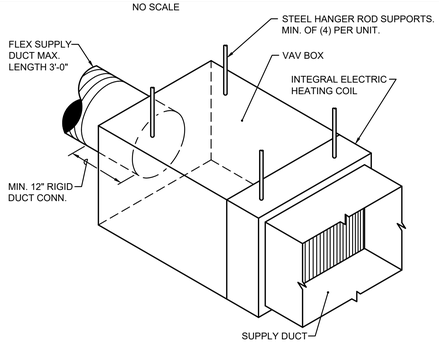
FIRE DAMPER DETAIL (FID)

NO SCALE



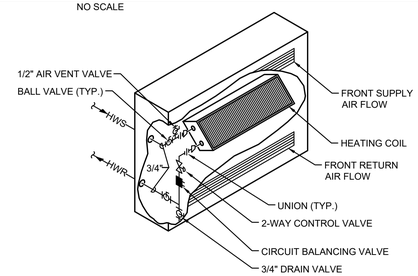
MANUAL AIR VENT DETAIL

NO SCALE



VAV BOX ELECTRIC HEATING COIL DETAIL

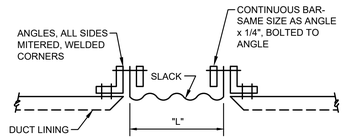
NO SCALE



CONVECTOR PIPING DETAIL

NO SCALE

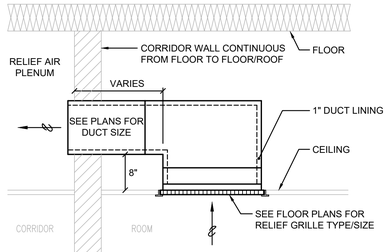
NOTE:
FLEXIBLE CONNECTION TO ISOLATE ALL DUCTS FROM ALL FANS AND FAN ENCLOSURES TO PREVENT TRANSMISSION OF VIBRATION TO DUCTWORK AND STRUCTURE.



SP OF FAN	MIN. SLACK	MIN. "L"
UP TO 2"	1 1/4"	4"
2 1/8" TO 4"	2"	6"

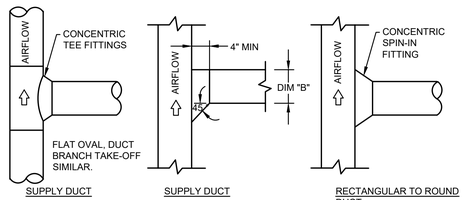
FLEXIBLE CONNECTION DETAIL

NO SCALE



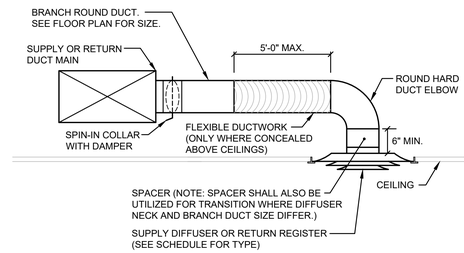
TYPICAL RELIEF REGISTER DETAIL

NO SCALE



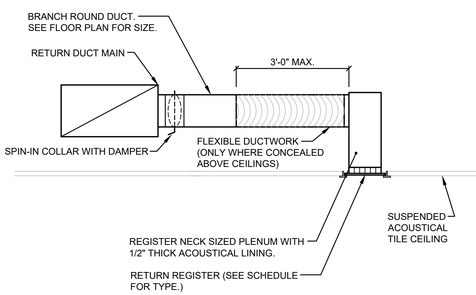
DUCT BRANCH TAKE-OFF DETAIL

NO SCALE



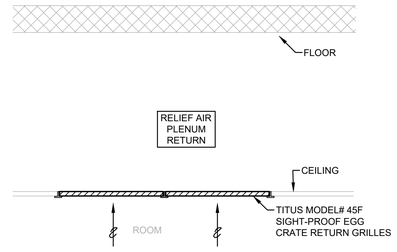
SUPPLY DIFFUSER INSTALLATION DETAIL

NO SCALE



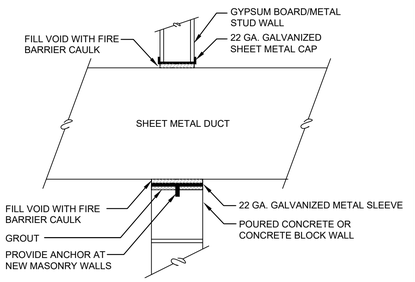
RETURN REGISTER INSTALLATION DETAIL

NO SCALE



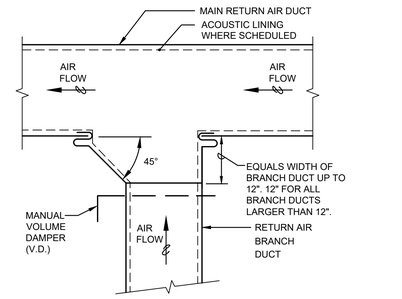
TYPICAL RELIEF REGISTER DETAIL (UV)

NO SCALE



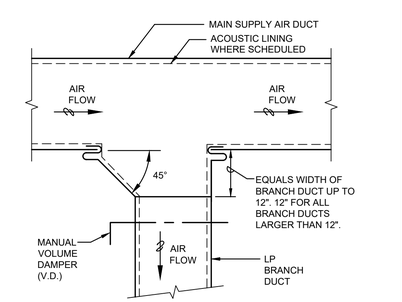
DUCT SLEEVE THRU INTERIOR WALL DETAIL

NO SCALE



TYPICAL RETURN BRANCH TAKE-OFF

NO SCALE



TYPICAL SUPPLY BRANCH TAKE-OFF

NO SCALE

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
JME	SJS	SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER M2.1

CS2 DESIGNGROUP LLC
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VARIABLE AIR VOLUME BOX SCHEDULE

EQUIPMENT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	CFM		APPROXIMATE BOX DIMENSIONS (IN.)					ELECTRIC HEATER COIL								INTEGRAL SOUND ATTENUATOR	NOTES
					MIN.	MAX.	INLET DIA.	OUTLET SIZE	LENGTH	WIDTH	HEIGHT	CAPACITY STEPS	CFM	EAT (°F)	LAT (°F)	KW	VOLT/PH	MCA	MOCP		
VAV-1	ATT. LAB 024	PAES LAB 025	TITUS	DESV (LYNERGY)	425	1250	12	16x15	39.5	16	15	SCR	1250	55	80.3	10.0	208 / 3	34.7	35	YES	1 - 7
VAV-2	ATT. LAB 024	ATT. LAB 024	TITUS	DESV (LYNERGY)	425	1250	12	16x15	39.5	16	15	SCR	1250	55	80.3	10.0	208 / 3	34.7	35	YES	1 - 7
VAV-3	PAES LAB 025	OFFICES 026A, 026B	TITUS	DESV (LYNERGY)	190	500	8	12x10	39.5	12	10	SCR	500	55	80.3	4.0	208 / 3	13.9	15	YES	1 - 7
VAV-4	LOBBY 030	LUNCH 028	TITUS	DESV (LYNERGY)	425	975	12	16x15	39.5	16	15	SCR	975	55	80.9	8.0	208 / 3	27.8	30	YES	1 - 7
VAV-5	LOBBY 030	LOBBY 030, TOILETS	TITUS	DESV (LYNERGY)	425	1500	12	16x15	39.5	16	15	SCR	1500	55	77.1	10.5	208 / 3	36.4	40	YES	1 - 7
VAV-6	LOBBY 030	WELL. 041, TOILET	TITUS	DESV (LYNERGY)	425	1000	12	16x15	39.5	16	15	SCR	1000	55	80.3	8.0	208 / 3	27.8	30	YES	1 - 7
VAV-7	CONF. RM. 027	CONF. RM. 027	TITUS	DESV (LYNERGY)	190	550	8	12x10	39.5	12	10	SCR	550	55	80.9	4.5	208 / 3	15.6	20	YES	1 - 7
VAV-8	CORR. 019	STOR. 023 TOILETS	TITUS	DESV (LYNERGY)	300	825	10	14x12.5	39.5	14	12.5	SCR	825	55	79.9	6.5	208 / 3	22.6	25	YES	1 - 8

NOTES:
1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.
2. MAXIMUM NOISE LEVEL SHALL NOT EXCEED 35 NC BASED ON 5 FEET LINED DUCTWORK DOWNSTREAM OF BOX, 10db ROOM ABSORPTION, RE 10-12 WATTS.
3. MAXIMUM REQUIRED STATIC PRESSURE DIFFERENTIAL ACROSS INLET TO OUTLET OF BASIC BOX ASSEMBLY SHALL NOT EXCEED 0.25"S.P. TO ALLOW PROPER BOX OPERATION WHEN DELIVERING MAXIMUM RATED CFM.
4. ALL BOXES TO BE PRESSURE INDEPENDENT WITH FACTORY SET MIN. AND MAX. CFM SETTINGS (READILY FIELD ADJUSTABLE).
5. SEE CONTROL DIAGRAMS FOR BOX CONTROL.
6. FURNISH COMPLETE WITH LYNERGY COMFORT CONTROLLER, DISCONNECT SWITCH, CONTROL TRANSFORMER, SOLID-STATE RELAYS, MECHANICAL AIR FLOW SWITCH AND THERMAL CUTOUTS.
7. PROVIDE SCR CONTROLLER WITH DISCHARGE AIR SENSOR.
8. PROVIDE ONLY IF ALTERNATE No. 1 IS ACCEPTED.

CONVECTOR SCHEDULE

EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	TYPE	HEATING COIL					CABINET		CABINET DIMENSIONS (IN.)					NOTES
					MBH	GPM	PRESS. DROP (FT)	EWT (F°)	EAT (F°)	MOUNTING	ARRANG.	LENGTH	HEIGHT	DEPTH	PROJECTION	MOUNTING HEIGHT	
CV-1	MENS 034	RITTLING	RL	WALL MOUNTED	5.1	0.5	0.053	180.0	65.0	WALL	PARTIALLY RECESSED	36	26	4	1.5"	8"	1 - 4
CV-2	WOMENS 037	RITTLING	RL	WALL MOUNTED	5.1	0.5	0.053	180.0	65.0	WALL	PARTIALLY RECESSED	36	26	4	1.5"	8"	1 - 4

NOTES:
1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.
2. COLOR TO BE SELECTED BY ARCHITECT.
3. PROVIDE HEX HEAD LIMITED ACCESS FASTENERS.
4. PROVIDE 16 GAUGE CABINET & FRONT COVER WITH ACCESS PANELS FOR VALVES.

DIFFUSER, GRILLE AND REGISTER SCHEDULE

EQUIPMENT TAG	MANUFACTURER	MODEL	TYPE	NOMINAL FACE SIZE	MATERIAL	MAX. N.C.	NOTES
A	TITUS	OMNI	SQUARE PANEL FACE	24"x24"	STEEL	30	1,2,3
B	TITUS	300RL	DOUBLE DEFLECTION REGISTER	VARIES	STEEL	30	1,2,3,4
C	TITUS	350RL	35° DEFLECTION GRILLE	VARIES	STEEL	30	1,2,3
D	TITUS	50F	EGG CRATE GRILLE	VARIES	ALUMINUM	30	1,2,3,6
E	TITUS	45F	SIGHT-PROOF EGG CRATE	VARIES	ALUMINUM	30	1,2,3,5

NOTES:
1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.
2. COLOR BY ARCHITECT.
3. MATCH FRAME TYPE TO WALL/CEILING TYPE.
4. OPPOSED BLADE DAMPER.
5. 1/2"x1/2"x1/2" SIGHT-PROOF GRID
6. 1/2"x1/2"x1" GRID.

FLOOR PLAN TAG LEGEND:

Larson & Darby Group
Architecture Engineering Interiors

RENOVATION FOR:
RPS DISTRICT 205
AN ADMIN. BASEMENT RENOVATION FOR:
501 7TH ST. ROCKFORD, ILLINOIS 61104
IFB 22-49 P2112

ISSUED FOR: DATE

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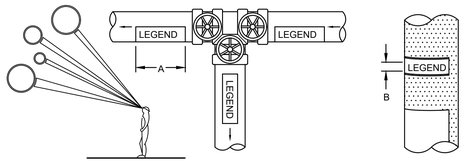
GENERAL REMODELING NOTES - ALL CONTRACTORS

1. ALL WORK SHOWN ON DRAWINGS SHALL BE CONSIDERED NEW AND IN CONTRACT UNLESS SPECIFICALLY INDICATED OTHERWISE.
2. DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
3. IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLEARNESS OF PRESENTATION.
4. CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY OWNER/ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
5. CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
6. WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
7. CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL BUILDING MEMBER. THE COST FOR THE REINFORCING SHALL BE INCLUDED IN THE CONTRACTORS BID.
8. THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS DIRECTED.
9. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTOR'S WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.
10. CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR, TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT. (NOTE: CONTRACTOR SHALL VERIFY EXISTING BUILDING'S ROOF WARRANTY AND EMPLOY OTHER SUBCONTRACTOR(S) AS REQUIRED BY ROOF MANUFACTURER'S REPRESENTATIVE SO AS NOT TO VOID OWNER'S ROOF WARRANTY.)
11. SOME OF THE EXISTING ITEMS AND EQUIPMENT SCHEDULED TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER. ANY ITEMS THAT THE OWNER WANTS TO RETAIN SHALL BE REMOVED CAREFULLY SO AS NOT TO DAMAGE THEM. ALL OTHER ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN-UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP AND THE NEGLIGENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK-CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
13. CONTRACTOR SHALL FURNISH AND INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
14. IT IS MANDATORY THAT THE COMPLETE EXISTING BUILDING REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF SAID EXISTING BUILDING. THE SPECIFIC AREA(S) BEING REMODELED/ALTERED AT ANY SCHEDULED TIME ARE OBVIOUSLY EXCLUSIVE OF THIS STATEMENT. SERVICES TO EXISTING BUILDING SHALL BE KEPT IN CONTINUOUS OPERATION INCLUDING POWER, SIGNAL SYSTEMS, LIGHTING, TELEPHONE, HEATING, COOLING, VENTILATING, TEMPERATURE CONTROL, SEWERS AND HOT AND COLD WATER. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH CONTRACT WORK SHALL BE ARRANGED WITH THE OWNER A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE. SUCH INTERRUPTIONS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AS FAR AS TIME INTERVAL IS INVOLVED AND TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED BY THE CONTRACTOR ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
15. UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
16. WHERE WORK CALLED FOR ON THE DRAWINGS OR IN THE SPECIFICATIONS INVOLVES THE REMOVAL OR RELOCATION OF PIPING OR EQUIPMENT CONTAINING REFRIGERANT, ALL REFRIGERANT SHALL BE RECOVERED BY APPROVED METHODS PER EPA REGULATIONS.
17. CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/OR WOOD PALLETS. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUIN. ALL PIPING AND DUCTWORK WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED OUTSIDE THE BUILDING ON SITE UNLESS IT IS SUPPORTED OFF THE GROUND AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
18. THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT FROM A SPECIFIED ACCEPTABLE MANUFACTURER, BUT NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. WHEN EQUIPMENT SUBMITTED FOR REVIEW DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
19. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEET THE CAPACITY AND DUTY SPECIFIED. WHEN EQUIPMENT SUBMITTED FOR REVIEW REQUIRES MODIFICATIONS TO THE WORK OF OTHER CONTRACTORS, SUBMITTING CONTRACTOR SHALL PAY FOR ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT FUNCTION SAFELY AND PROPERLY.
20. CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ROOMS, ETC. FOR ACCESS OF THE NEW EQUIPMENT INTO OR REMOVAL OF EXISTING EQUIPMENT FROM THE BUILDING. IF OPENINGS ARE TOO SMALL FOR ACCESS THEN CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROVIDE NEW OR ENLARGED OPENINGS AND RESTORE SAME TO ORIGINAL SIZE AND CONDITION. CONTRACTOR MAY ELECT TO ORDER THE EQUIPMENT DISASSEMBLED AND/OR WITH SPLIT HOUSING FOR ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS IN THE SPACE AT HIS OWN EXPENSE.



NOTE:
IDENTIFICATION MARKERS OR STRIPS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 50'-0" INTERVALS, ADJACENT TO ALL VALVES OR BRANCHES, AND AT BOTH SIDES OF WALL/FLOOR PENETRATIONS. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS		
OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1 1/4"	8"	1/2"
1 1/2" TO 2"	8"	3/4"
2" 1/2" TO 6"	12"	1 1/4"
8" TO 10"	24"	2 1/2"

SERVICE	BACKGROUND OR COLOR BAND	IDENTIFICATION MARKER
HOT WATER HEATING SUPPLY	YELLOW	BLACK ON YELLOW
HOT WATER HEATING RETURN	YELLOW	BLACK ON YELLOW

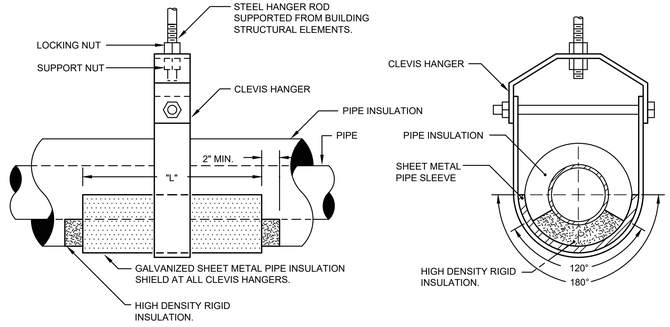
TYPICAL PIPE IDENTIFICATION MARKERS

NO SCALE

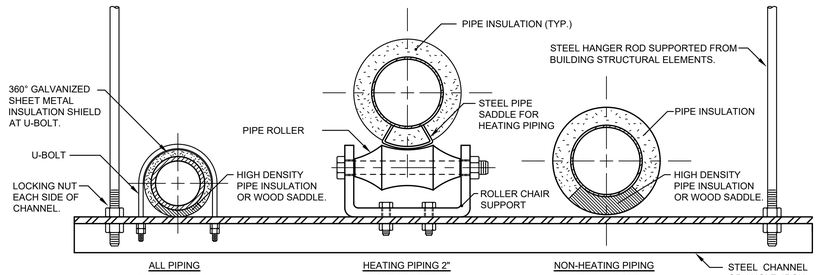
MECHANICAL/ELECTRICAL COORDINATION SCHEDULE

EQUIPMENT TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DEVICES				NOTES
		STARTER	DISCONNECT	OVERCURRENT PROTECTION	SINGLE POINT CONNECTION	
VAV	VAV BOX ELEC. COIL	MANUF	MANUF	E	YES	1 - 5

NOTES:
1. LOOSE OR REMOVE DEVICES TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR (MARKED "E"), MECHANICAL CONTRACTOR (MARKED "M"), HVAC CONTRACTOR (MARKED "HV"), BAS CONTRACTOR (MARKED "B"), PLUMBING CONTRACTOR (MARKED "P"), OR FIRE PROTECTION CONTRACTOR (MARKED "FP"). UNIT MOUNTED DEVICES TO BE FURNISHED BY THE MANUFACTURER (MARKED "MANUF").
2. ALL CONDUIT AND WIRING FOR TEMPERATURE CONTROL AND EQUIPMENT INTERLOCK SHALL BE BY BAS CONTRACTOR. OTHER CONTROLS AND CONTROL CONDUIT/WIRING BY TRADE FURNISHING RESPECTIVE EQUIPMENT.
3. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE AND REVIEW THE ELECTRICAL CHARACTERISTICS, AMPACITY AND OTHER REQUIREMENTS OF COMPONENTS BEFORE INSTALLATION OF WORK. ALL OTHER CONTRACTORS SHALL ADVISE ELECTRICAL CONTRACTOR OF ANY MOTOR/DEVICE CHANGES.
4. ALL LOOSE STARTERS SHALL INCLUDE HOA SWITCH, CONTROL TRANSFORMER, AND ONE N.O. AND ONE N.C. AUXILIARY CONTACTS. ALL SINGLE PHASE EXHAUST FAN CONTROL SWITCHES SHALL HAVE IDENTIFICATION NAMEPLATE AND PILOT LIGHT.
5. SEE SPECIFICATIONS AND DRAWINGS FOR TYPES AND LOCATIONS OF DEVICES.

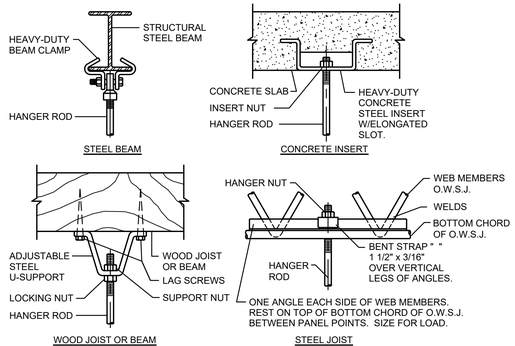


NOTE: 1. CONFER WITH ARCHITECT AND REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON ACCEPTABLE METHODS AND LOCATIONS FOR HANGER SUPPORTS.



TYPICAL PIPE HANGER DETAILS

NO SCALE



PIPE HANGERS AND SUPPORTS

SUPPORT HORIZONTAL STEEL AND COPPER PIPING AS FOLLOWS:

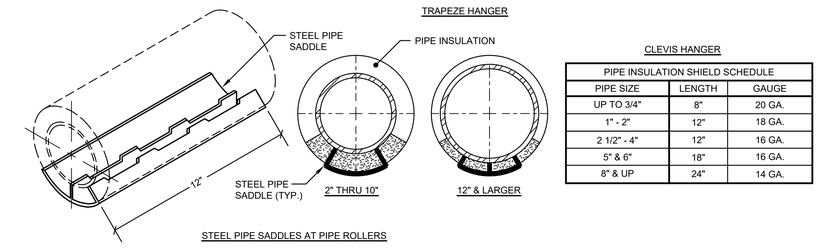
NOMINAL PIPE SIZE	DISTANCE BETWEEN SUPPORTS	HANGER ROD DIAMETERS
1/2"	6'	3/8"
3/4 TO 1-1/2"	6'	1/2"
2" TO 2-1/2"	10'	1/2"
3" AND 4"	12'	5/8"
6" TO 12"	14'	7/8"
14" TO 18"	20'	1"

PLACE HANGER WITHIN 1 FOOT OF EACH HORIZ. ELBOW. SUPPORT HORIZ. SOIL WASTE AND STORM PIPE NEAR EACH HUB, WITH 5 FEET MAXIMUM SPACING BETWEEN HANGERS.
VERTICAL PIPING:
1. SUPPORT VERTICAL WATER PIPING AT EVERY FLOOR.
2. SUPPORT VERTICAL SOIL PIPE AT EACH FLOOR AT HUB.

WHERE SEVERAL PIPES CAN BE INSTALLED IN PARALLEL AND AT SAME ELEVATION PROVIDE MULTIPLE OR TRAPEZE HANGERS.
WHERE PRACTICAL, SUPPORT RISER PIPING INDEPENDENTLY OF CONNECTED HORIZ. PIPING.

PIPE HANGER DETAILS

NO SCALE



STEEL PIPE SADDLES AT PIPE ROLLERS

CLEVIS HANGER

PIPE INSULATION SHIELD SCHEDULE		
PIPE SIZE	LENGTH	GAUGE
UP TO 3/4"	8"	20 GA.
1" - 2"	12"	18 GA.
2 1/2" - 4"	12"	16 GA.
5" & 6"	18"	16 GA.
8" & UP	24"	14 GA.

TYPICAL PIPE HANGER DETAILS

NO SCALE

Larson & Darby Group
Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN: JME | CHK'D: SJS | APPRV'D: SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER ME1.1

CS2 DESIGNGROUP LLC
837 Oakton Street
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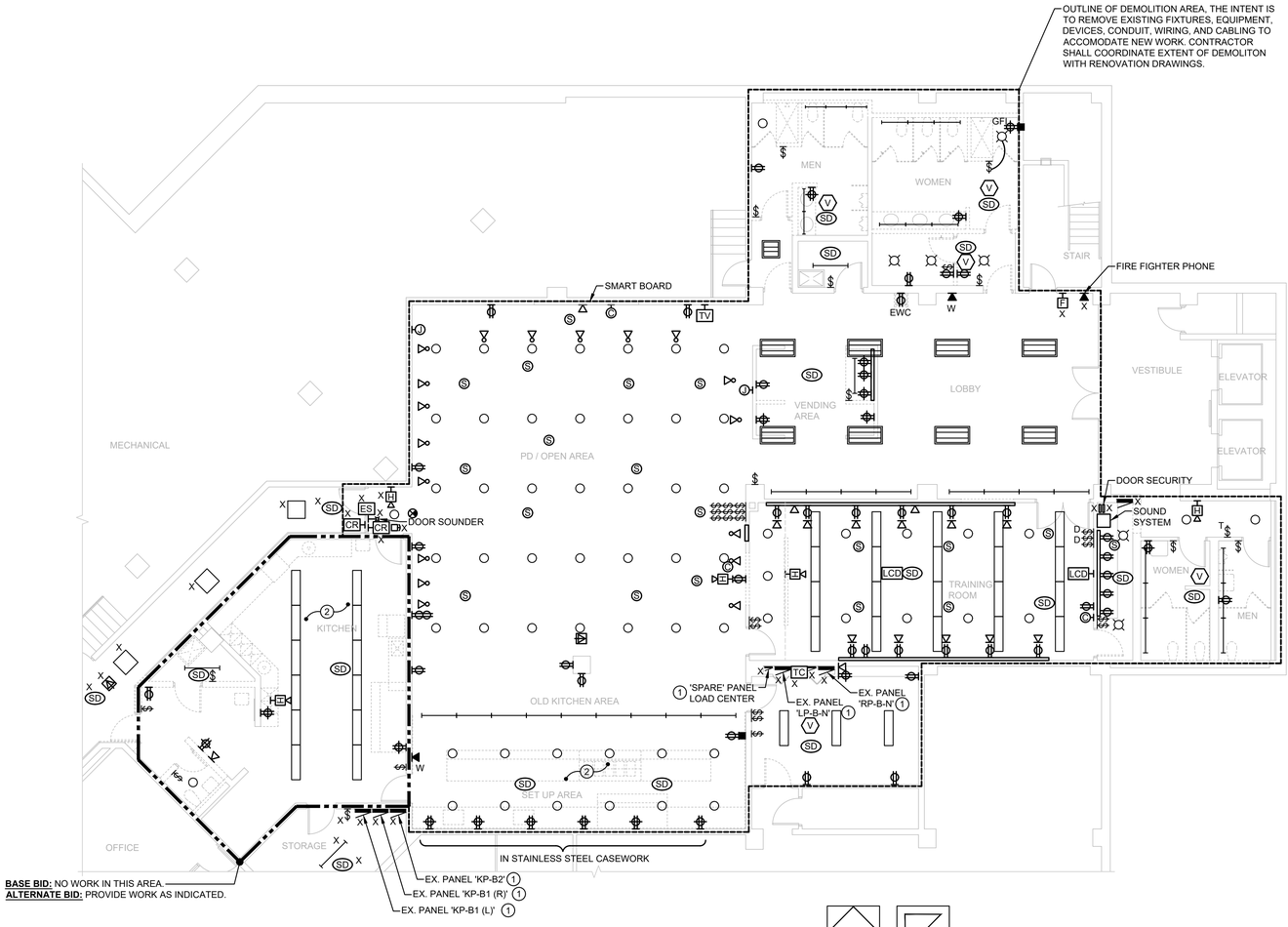

BASE BID: NO WORK IN THIS AREA.
ALTERNATE BID: PROVIDE WORK AS INDICATED.

BASEMENT DEMOLITION – ELECTRICAL PLAN

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

DRAWING NOTES:

1. EXISTING PANELBOARD TO REMAIN. CONTRACTOR SHALL TRACE OUT ALL EXISTING LOADS SERVED FROM THIS PANEL. ALL CIRCUITS WHICH NEED TO REMAIN ACTIVE AFTER DEMOLITION TO REMAIN. CONTRACTOR SHALL PROVIDE ADDITIONAL CONDUIT AND WIRING REQUIRED TO MAINTAIN ACTIVE. ALL CIRCUITS MADE SPARE DURING DEMOLITION SHALL BE MARKED ACCORDINGLY FOR RE-USE.
2. CONTRACTOR SHALL ELECTRICALLY DISCONNECT EXISTING KITCHEN EQUIPMENT FOR REMOVAL. ONCE KITCHEN EQUIPMENT HAS BEEN REMOVED, CONTRACTOR SHALL REMOVE ALL RECEPTACLES, DISCONNECTS, STARTERS, DEVICES, CONDUIT, WIRING, AND CABLING.

GENERAL DEMOLITION NOTES:

1. ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE. RE-FEED ANY DOWNSTREAM ITEMS WHICH REMAIN.
2. ALL DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED FOR ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTORS WORK.
3. IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWING(S) TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC... NEED TO BE REMOVED, RELOCATED OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
4. THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.
5. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC... PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL IDENTIFY ALL CONDUITS ENTERING PANELBOARDS WITHIN AREA OF WORK. ALL ABANDONED CONDUITS TO BE TAGGED "PIPE ABANDONED" IF THE PIPE IS NO LONGER ACCESSIBLE IN THE FIELD, I.E.: CUT OFF AND ABANDONED IN THE FLOOR OR WALL.

DEMOLITION SYMBOLS:

SYMBOL	DESCRIPTION
X	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO REMAIN.
R	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED
XRR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED OR CAPPED AS REQUIRED.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).

SALVAGED EQUIPMENT NOTE:

THE FOLLOWING EQUIPMENT TO BE REMOVED BY OWNER / OWNER'S CONTRACTOR. DO NOT THROW OUT ANY:

- WALL MOUNTED DISPLAY
- AUDIO-VISUAL PROJECTOR
- MOTORIZED PROJECTION SCREENS
- WIRELESS ACCESS POINT
- LOCAL SOUND SYSTEM EQUIPMENT
- A/V EQUIPMENT SHELF
- DOOR SECURITY EQUIPMENT
- ACCESS CONTROL DEVICES
- KITCHEN EQUIPMENT

EXISTING CONDITIONS NOTE:

1. EXISTING CONDITIONS WERE DEVELOPED BY A COMBINATION OF FIELD SURVEYING, AS-BUILTS, SERVICING CONTRACTOR'S PROGRAM REPORT, ETC... BUT SOME ASSUMPTIONS WERE MADE DUE TO LIMITED ACCESS (I.E. CASEWORK / EQUIPMENT OBSTRUCTIONS, "HIDDEN" FROM VIEW IN HIGH / DARK CEILINGS, ETC.... THESE PLANS SHALL NOT BE THE SOLE SOURCE OF EXISTING CONDITIONS, CONTRACTOR SHALL FIELD VERIFY ALL AS REQUIRED AND IMMEDIATELY NOTIFY ARCHITECT / ENGINEER OF ANY DEVIATIONS AND / OR PROBLEMATIC ITEMS.

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Architecture Engineering Interiors

RENOVATION FOR:
RPS DISTRICT 205
AN ADMIN. BASEMENT RENOVATION FOR:
501 7TH ST. ROCKFORD, ILLINOIS 61104
IFB 22-49 P2112

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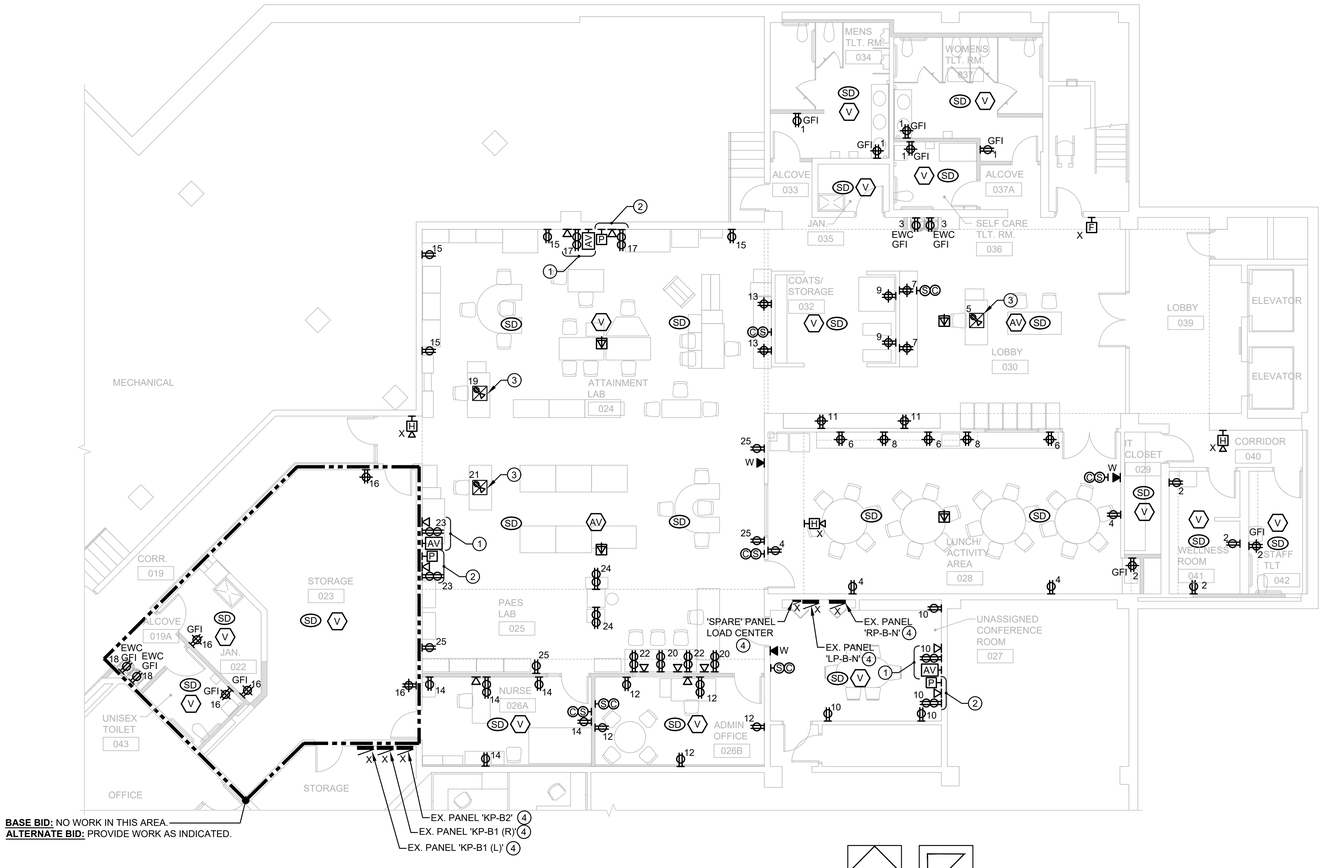
DRWN:	CHK'D:	APPRV'D:
RMS	SJS	SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER ED1.1

FILE: F:\788-E-2E788E2 ED1.1.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:03 PM



BASE BID: NO WORK IN THIS AREA.
ALTERNATE BID: PROVIDE WORK AS INDICATED.

BASEMENT – POWER PLAN

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

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837 Oakton Street
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www.cs2designgroup.com

(#) DRAWING NOTES:

1. PROVIDE OUTLETS FOR WALL MOUNTED DISPLAY OR INTERACTIVE WHITE BOARD, VERIFY MOUNTING HEIGHT WITH ARCHITECT AND DISTRICT. REFER TO DETAIL ON DRAWING E3.0.
2. PROVIDE OUTLETS FOR PRESENTATION STATION TO CONTROL DISPLAY OR INTERACTIVE WHITE BOARD, VERIFY MOUNTING HEIGHT WITH ARCHITECT AND DISTRICT. REFER TO DETAIL ON DRAWING E3.0.
3. PROVIDE FLUSH FLOOR BOX WITH RECESSED OUTLETS. PROVIDE TWO (2) DUPLEX RECEPTACLES AND TWO (2) DATA JACKS. WIREMOLD RESOURCE RFB SERIES. PROVIDE WITH COVER TYPE TO MATCH FLOORING, COLOR SELECTION BY ARCHITECT. CONTRACTOR SHALL SAW CUT AND PATCH FLOOR AS REQUIRED. PROVIDE TWO (2) 1" CONDUITS FOR POWER AND DATA.
4. AFTER DEMOLITION CONTRACTOR SHALL TURN OFF ALL ABANDONED CIRCUIT BREAKERS FOR REUSE. UPON PROJECT COMPLETION UPDATE PANELBOARD DIRECTORIES.

GENERAL NOTES:

THE MINIMUM WIRE SIZE SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRALS; NO COMMON NEUTRALS ARE PERMITTED.

THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS SHALL BE 3/4". 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING FOR SINGLE CIRCUITS ONLY. ALL BRANCH CIRCUITS CIRCUITS SHALL TERMINATE AT 20A-1P CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS SPECIFICALLY INDICATED OTHERWISE.

THE CONTRACTOR SHALL UPSIZE CONDUCTORS AND CONDUITS (OVER 75'-0" IN LENGTH) TO COMPENSATE FOR VOLTAGE DROP.

THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES AND SEALANT AS REQUIRED THRU PARTITIONS TO ACCOMMODATE ANY CONDUITS / RACEWAYS, CABLING, ETC. ALL PENETRATIONS THRU RATED WALL ASSEMBLY(IES) MUST MEET THE UL RATING OF THE WALL SYSTEM(S).

REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL ELECTRICAL DEVICES BEFORE ROUGH-IN.

THE CONTRACTOR SHALL VERIFY EXACT EQUIPMENT LOCATIONS, LOAD INFORMATION, VOLTAGE, AMPERAGE, CONNECTION TYPE, ETC. WITH EQUIPMENT BEING SUPPLIED PRIOR TO ROUGH-IN.

ALL CIRCUITING NUMBERS ARE CONNECTED TO PANEL "LP" UNLESS SPECIFICALLY INDICATED OTHERWISE.

DEVICE SYMBOLS LEGEND:

SYMBOL	DESCRIPTION
X	EXISTING ELECTRICAL EQUIPMENT OR DEVICE TO REMAIN.
XRR	EXISTING ELETRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED AND WALL PATCHED.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).
XO	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING OUTLET.

HOMERUN ALL POWER BRANCH CIRCUITS TO EXISTING PANEL "RP-B-N" UNLESS INDICATED OTHERWISE. CIRCUIT NUMBERS INDICATED ARE FOR REFERENCE PURPOSES ONLY IN ORDER TO INDICATE GROUPING.

HOMERUN ALL DATA CABLING TO EXISTING IDF IN ROOM 029, FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

HOMERUN ALL FIRE ALARM CABLING TO EXISTING NOTIFIER, ONYX FIRE ALARM CONTROL PANEL LOCATED ON FIRST FLOOR AT WEST VESTIBULE. CURRENTLY SERVICED BY CINTAS.

CONTRACTOR SHALL INSTALL ALL BACKBOXES FOR RECEPTACLES, SWITCHES, VOICE, AND DATA OUTLETS FLUSH IN WALLS AND CEILINGS. PROVIDE ALL CUTTING, PATCHING, AND FISH WALLS AS REQUIRED. NOTIFY ARCHITECT OF ISSUES PRIOR TO SURFACE MOUNTING ANY BOXES. WHEN ALLOWED, CONTRACTOR SHALL PROVIDE APPROVED SURFACE RACEWAY SYSTEMS (WIREMOLD OR HUBBELL).

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
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501 7TH ST. ROCKFORD, ILLINOIS 61104

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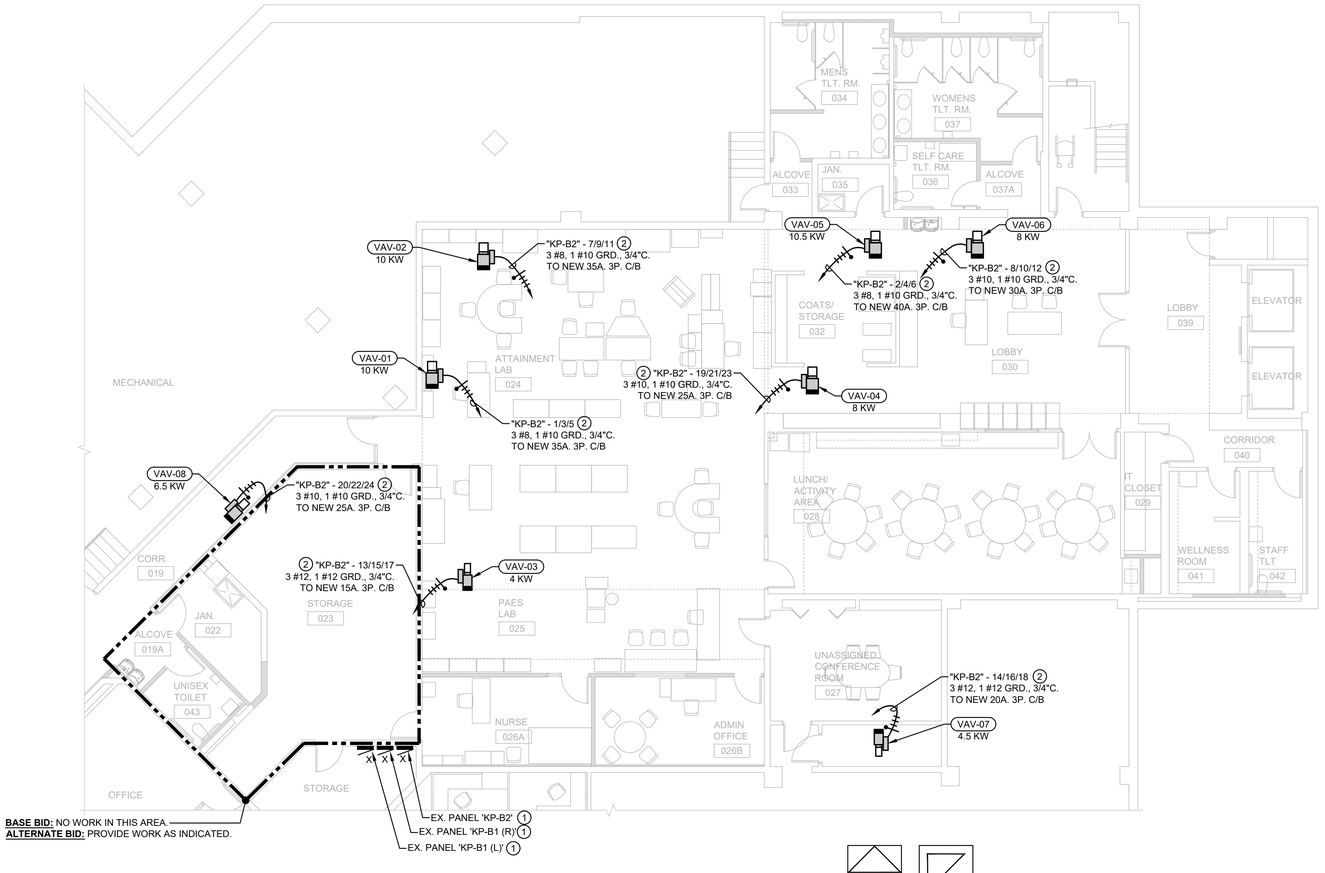

BASEMENT – HVAC ELECTRICAL CONNECTION PLAN

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

CS2 DESIGNGROUP LLC
837 Oakton Street
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Tel: 847-981-1880
Fax: 847-981-1885
www.cs2designgroup.com

(#) DRAWING NOTES:

1. AFTER DEMOLITION CONTRACTOR SHALL TURN OFF ALL ABANDONED CIRCUIT BREAKERS FOR REUSE. CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS COMPATIBLE WITH EXISTING PANEL TO SERVE NEW VAV BOX DUCT COILS. UPON PROJECT COMPLETION UPDATE PANELBOARD DIRECTORIES.
2. THE CIRCUIT NUMBERS INDICATED ARE FOR REFERENCE PURPOSES ONLY, CONTRACTOR SHALL UTILIZE ABANDONED KITCHEN PANELS, "KP-B1 (L)", "K1-B1 (R)", AND/OR "KP-2B" TO BEST SUIT INSTALLATION.

GENERAL NOTES:

THE MINIMUM WIRE SIZE SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRALS; NO COMMON NEUTRALS ARE PERMITTED.

THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS SHALL BE 3/4". 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING FOR SINGLE CIRCUITS ONLY. ALL BRANCH CIRCUITS CIRCUITS SHALL TERMINATE AT 20A-1P CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS SPECIFICALLY INDICATED OTHERWISE.

THE CONTRACTOR SHALL UPSIZE CONDUCTORS AND CONDUITS (OVER 75'-0" IN LENGTH) TO COMPENSATE FOR VOLTAGE DROP.

THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES AND SEALANT AS REQUIRED THRU PARTITIONS TO ACCOMMODATE ANY CONDUITS / RACEWAYS, CABLING, ETC. ALL PENETRATIONS THRU RATED WALL ASSEMBLY(IES) MUST MEET THE UL RATING OF THE WALL SYSTEM(S).

REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL ELECTRICAL DEVICES BEFORE ROUGH-IN.

THE CONTRACTOR SHALL VERIFY EXACT EQUIPMENT LOCATIONS, LOAD INFORMATION, VOLTAGE, AMPERAGE, CONNECTION TYPE, ETC. WITH EQUIPMENT BEING SUPPLIED PRIOR TO ROUGH-IN.

ALL CIRCUITING NUMBERS ARE CONNECTED TO PANEL "LP" UNLESS SPECIFICALLY INDICATED OTHERWISE.

DEVICE SYMBOLS LEGEND:

SYMBOL	DESCRIPTION
X	EXISTING ELECTRICAL EQUIPMENT OR DEVICE TO REMAIN.
XRR	EXISTING ELETRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED AND WALL PATCHED.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).
XO	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING OUTLET.

HOMERUN ALL POWER BRANCH CIRCUITS TO EXISTING PANEL "RP-B-N" UNLESS INDICATED OTHERWISE. CIRCUIT NUMBERS INDICATED ARE FOR REFERENCE PURPOSES ONLY IN ORDER TO INDICATE GROUPING.

CONTRACTOR SHALL INSTALL ALL BACKBOXES FOR RECEPTACLES, SWITCHES, VOICE, AND DATA OUTLETS FLUSH IN WALLS AND CEILINGS. PROVIDE ALL CUTTING, PATCHING, AND FISH WALLS AS REQUIRED. NOTIFY ARCHITECT OF ISSUES PRIOR TO SURFACE MOUNTING ANY BOXES. WHEN ALLOWED, CONTRACTOR SHALL PROVIDE APPROVED SURFACE RACEWAY SYSTEMS (WIREMOLD OR HUBBELL).

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Architecture Engineering Interiors

AN ADMIN. BASEMENT RENOVATION FOR:
RPS DISTRICT 205 IFB 22-49 P2112
501 7TH ST. ROCKFORD, ILLINOIS 61104

ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
RMS	SJS	SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER E1.2

FILE: F:\788-E-2\E1788E2 E1.2.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:03 PM

CS2 DESIGNGROUP LLC
837 Oakton Street
Elk Grove, IL 60007
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www.cs2designgroup.com

BASEMENT – LIGHTING PLAN

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

DRAWING NOTES:

1. "NL" DENOTES NIGHTLIGHT ON 24/7 AND CONNECTED TO EXISTING EMERGENCY POWER PANEL WITH GENERATOR BACK-UP.
2. PROVIDE nLIGHT CONTROLS WITH DIMMING AND SCENE CONTROLLER. LIGHTING TO OPERATE 'ON' UPON OCCUPANCY SINCE THESE LIGHTS ARE LOCATED IN THE PATH OF EGRESS.
3. ALL TYPE "AN" LIGHTING FIXTURES ARE nLIGHT ENABLED, CONTRACTOR SHALL INTERCONNECT FIXTURES WITH PLENUM RATED CATEGORY 5 CABLE.

GENERAL NOTES:

THE MINIMUM WIRE SIZE SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRALS; NO COMMON NEUTRALS ARE PERMITTED.

THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS SHALL BE 3/4". 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING FOR SINGLE CIRCUITS ONLY. ALL BRANCH CIRCUITS CIRCUITS SHALL TERMINATE AT 20A-1P CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS SPECIFICALLY INDICATED OTHERWISE.

THE CONTRACTOR SHALL UPSIZE CONDUCTORS AND CONDUITS (OVER 75'-0" IN LENGTH) TO COMPENSATE FOR VOLTAGE DROP.

THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES AND SEALANT AS REQUIRED THRU PARTITIONS TO ACCOMMODATE ANY CONDUITS / RACEWAYS, CABLING, ETC. ALL PENETRATIONS THRU RATED WALL ASSEMBLY(IES) MUST MEET THE UL RATING OF THE WALL SYSTEM(S).

REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL ELECTRICAL DEVICES BEFORE ROUGH-IN.

THE CONTRACTOR SHALL VERIFY EXACT EQUIPMENT LOCATIONS, LOAD INFORMATION, VOLTAGE, AMPERAGE, CONNECTION TYPE, ETC. WITH EQUIPMENT BEING SUPPLIED PRIOR TO ROUGH-IN.

ALL CIRCUITING NUMBERS ARE CONNECTED TO PANEL "LP-BN" UNLESS SPECIFICALLY INDICATED OTHERWISE.

DEVICE SYMBOLS LEGEND:

SYMBOL	DESCRIPTION
X	EXISTING ELECTRICAL EQUIPMENT OR DEVICE TO REMAIN.
XRR	EXISTING ELETRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED AND WALL PATCHED.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).
XO	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING OUTLET.

ALL UNMARKED LIGHTING FIXTURES ARE TYPE "AN" UNLESS INDICATED OTHERWISE - TYPICAL.

HOMERUN ALL NORMAL LIGHTING BRANCH CIRCUITS TO EXISTING PANEL "LP-BN" AND EMERGENCY LIGHTING CIRCUITS TO EXISTING PANEL "EM1-S1" (ON FIRST FLOOR). CIRCUIT NUMBERS INDICATED ARE FOR REFERENCE PURPOSES ONLY IN ORDER TO INDICATE GROUPING.

LIGHTING CONTROLS SCHEDULE:

AREA SERVED	VACANCY SENSOR	OCCUPANCY SENSOR	TIME-CLOCK	DIMMING	DAYLIGHTING	SCENES	REMARKS
OFFICES AND CONFERENCE ROOMS	✓			✓			
TOILETS, JANITOR, AND STORAGE ROOMS		✓					
LOBBY, ATTAINMENT LAB AND PAES LAB		✓		✓		✓	PROVIDE WITH TWO SCENES PER AREA AND PROGRAMMED PER OWNER REQUIREMENTS.

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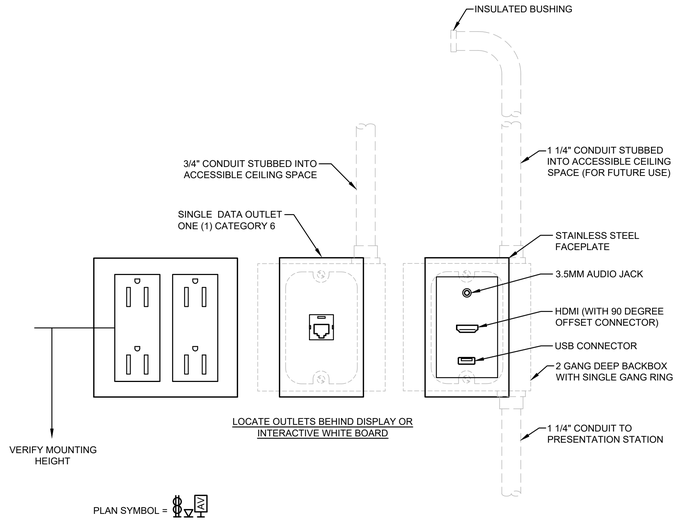
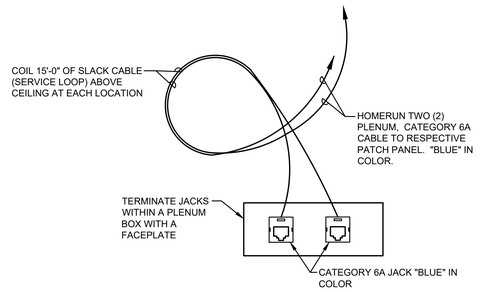
FILE: F:\788-E-2\E1788E2 E2.1.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:03 PM



TYPICAL AUDIO/VISUAL (AV) OUTLET DETAIL

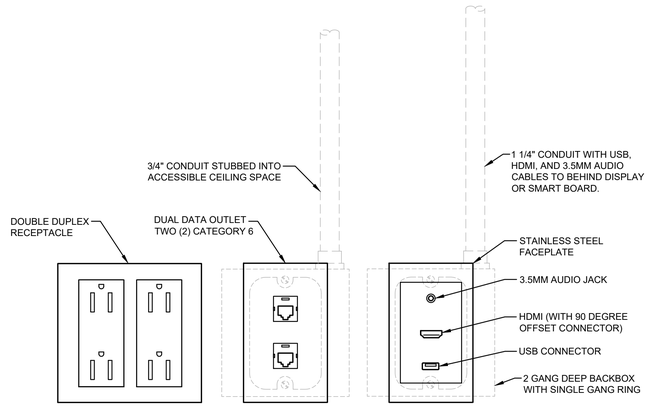
NO SCALE



PLAN SYMBOL =

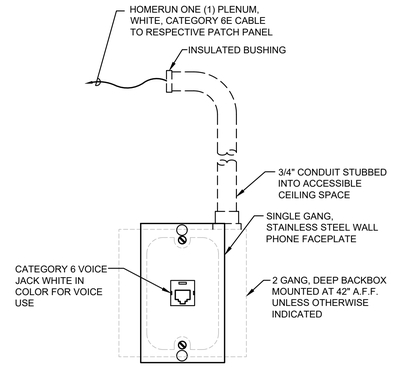
TYPICAL WIRELESS ACCESS POINT OUTLET DETAIL

NO SCALE



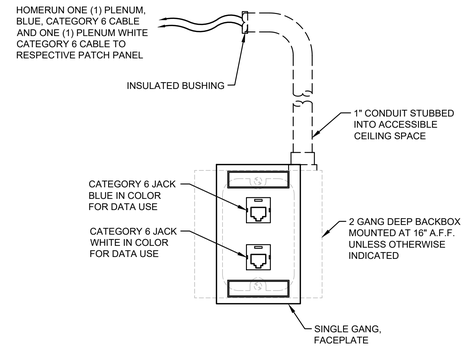
TYPICAL PRESENTATION OUTLET DETAIL

NO SCALE



TYPICAL WALL PHONE OUTLET DETAIL

NO SCALE



TYPICAL DUAL DATA OUTLET DETAIL

NO SCALE

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SHEET NUMBER E3.0

FILE: F:\788-E-2E\788E2 E3.0.DWG SAVED BY: JROSINSKI DATE: 4/13/2022 TIME: 2:04 PM

LIGHTING

NO SCALE

- 2' X 4' LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- 2' X 2' LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- TYPICAL - HALF SHADING DENOTES LIGHTING FIXTURE UNSWITCHED (EMERGENCY LIGHT OR NIGHTLIGHT).
- LIGHT FIXTURE; WALL, CEILING OR PENDANT MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- STRIP LIGHT FIXTURE, PER LIGHTING FIXTURE SCHEDULE.
- RECESSED OR SURFACE MOUNTED DOWN LIGHT FIXTURE, EXISTING OR PER LIGHTING FIXTURE SCHEDULE.
- EMERGENCY EXIT FIXTURE, SURFACE CEILING MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
- EMERGENCY EXIT FIXTURE, SURFACE WALL MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
- EMERGENCY, DUAL HEAD, BATTERY PACK LIGHTING FIXTURE, SURFACE WALL MOUNTED.
- EMERGENCY, DUAL HEAD, BATTERY PACK LIGHTING FIXTURE, RECESSED CEILING MOUNTED.
- WALL MOUNTED, DUAL TECHNOLOGY, ULTRASONIC AND PASSIVE INFRARED OCCUPANCY SENSOR SWITCH.
- CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, TYPE AND LAYOUT BY MANUFACTURER'S RECOMMENDATIONS ("GUARANTEED LAYOUT").
- CEILING MOUNTED DAYLIGHT HARVESTING SENSOR, TYPE AND LAYOUT BY MANUFACTURER'S RECOMMENDATIONS.

CLOCK, PAGING & SOUND

- WALL MOUNTED ANALOG CLOCK.
- CEILING MOUNTED ANALOG CLOCK
- DC — DUAL FACE DIGITAL CLOCK.
- S — FLUSH, ROUND-TYPE CEILING MOUNTED PAGING SPEAKER.
- S — SURFACE, SQUARE-TYPE CEILING MOUNTED PAGING SPEAKER.
- PROJECTION TYPE, SURFACE, SQUARE-TYPE WALL MOUNTED SPEAKER.
- TWO POSITION CALL SWITCH (NORMAL-EMERGENCY).
- SCS — COMBINATION WALL MOUNTED SPEAKER / CALL SWITCH.
- PROPOSED LOCATION OF COMBINATION IP SPEAKER AND DIGTAL CLOCK. THIS CONTRACTOR TO PROVIDE ONE (1) CATEGORY 6 CABLE WITH JACK AND 15'-0" SERVICE LOOP COILED ABLOVE THE CEILING FOR SPEAKER/CLOCK BY OWNER. HOMERUN CABLE TO PATCH PANEL IN LOCAL IDF.

DATA, VOICE AND VIDEO

- SINGLE VOICE JACK, +16" A.F.F PROVIDE 1 GANG EXTRA DEEP BACKBOX WITH 1"C. WITH INSULATED BUSHING STUBBED INTO ACCESSIBLE CEILING SPACE. "W" DENOTES WALL MOUNTED +42" A.F.F. REFER TO DETAILS.
- DUAL DATA JACK, +16" A.F.F. PROVIDE 2 GANG EXTRA DEEP BACKBOX WITH 1"C. WITH INSULATED BUSHING STUBBED INTO ACCESSIBLE CEILING SPACE. REFER TO DETAILS.
- APPROXIMATE LOCATION OF CEILING MOUNTED DATA JACK FOR WIRELESS NETWORK. VERIFY EXACT SPECIFICATION / MODEL TYPE WITH OWNER'S IT DIRECTOR. REFER TO DETAILS.
- APPROXIMATE LOCATION OF WALL MOUNTED DATA JACK FOR WIRELESS NETWORK. VERIFY EXACT SPECIFICATION / MODEL TYPE WITH OWNER'S IT DIRECTOR. REFER TO DETAILS.
- PROJECTOR INPUT PROVIDE 2 GANG, DOUBLE DEEP BACKBOX WITH SINGLE GANG RING. PROVIDE HDMI CONNECTOR WITH STAINLESS STEEL FACE PLATE AND HDMI CABLE CONNECTED TO PROJECTOR.

RACEWAY AND BOXES

- CEILING MOUNTED JUNCTION BOX.
- WALL MOUNTED JUNCTION BOX.
- JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL CONNECTION TO EQUIPMENT.
- CONDUIT ROUTED CONCEALED IN WALLS AND CEILING. HASH MARKS DENOTE QUANTITY OF #12 CONDUCTORS OR AS NOTED.
- CONDUIT ROUTED EXPOSED. INSTALL PARALLEL TO WALLS AND CEILINGS. HASH MARKS DENOTE QUANTITY OF #12 CONDUCTORS OR AS NOTED.
- DENOTES CONDUIT CONTAINING A #12 EQUIPMENT GROUND CONDUCTOR OR AS NOTED.
- FLEXIBLE CONDUIT.
- SOLID CIRCLE DENOTES DEVICE FED WITH AND/OR MOUNTED ON SURFACE BOX ON SURFACE CONDUIT. VERIFY ROUTING IN FIELD.
- WIREMOLD V700 SERIES OR EQUAL. FINISHED OR PAINTED TO MATCH WALL. PROVIDE RECEPTACLES AND/OR OUTLET BOXES AS SHOWN.
- POWER POLE FROM ACCESSIBLE CEILING ABOVE.
- DENOTES SURFACE MOUNTED RACEWAY, REFER TO PLANS FOR SPEC.
- DENOTES PLUGMOLD, REFER TO PLANS FOR SPEC.

WIRING DEVICES

- SINGLE POLE 20 AMP 120-277 VOLT SWITCH INSTALLED 48" A.F.F.
- K — SINGLE POLE 20 AMP 120-277 VOLT KEY TYPE SWITCH INSTALLED 48" A.F.F. REFER TO PLANS FOR SPEC.
- D — SINGLE POLE 20 AMP DIMMER SLIDE SWITCH INSTALLED 48" A.F.F. COMPATIBLE WITH VOLTAGE TYPE AND LAMP TYPE SERVED BY SWITCH.
- 3 — THREE WAY 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" A.F.F. "K" DENOTES KEY TYPE.
- T — MANUAL MOTOR STARTER, THERMAL OVERLOAD TOGGLE SWITCH.
- MSK — MAGNETIC MOTOR STARTER THERMAL OVERLOAD SWITCH WITH INDICATING LIGHT AND PERMANENT IDENTIFICATION NAMEPLATE.
- 20 AMP 2P; 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLE NEMA 5-20R INSTALLED 16" A.F.F. UNLESS NOTED OTHERWISE. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- 20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLE NEMA 5-20R INSTALLED ABOVE COUNTER TOP OR COUNTER TOP BACK SPLASH. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- TWO 20 AMP 2P; 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R INSTALLED 16" A.F.F. UNLESS NOTED OTHERWISE. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- TWO 20 AMP 2P; 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R NSTALLED ABOVE COUNTER TOP OR COUNTER TOP BACK SPLASH. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- RECEPTACLE MOUNTED FLUSH IN CEILING (SINGLE GANG).
- SPECIALIZED RECEPTACLE FOR RESPECTIVE EQUIPMENT AS NOTED ON PLANS.
- HAND DRYER OR HAIR DRYER; 120V. DEDICATED 20A. CIRCUIT - VERIFY PRIOR TO ROUGH-IN.

SECURITY / MISC.

- CAMERA - SINGLE DOME.
- CAMERA.
- INDICATING (STROBE) SIGNAL. "A" DENOTES "AMBER" FOR LOCK DOWN, "B" DENOTES "BLUE" FOR INTERCOM IN-USE.
- KP — KEYPAD.
- IC — INTERCOM CALL STATION.
- IM — INTERCOM MASTER STATION.
- DOOR CONTACT OR POSITION SWITCH.
- ES — ELECTRIC STRIKE.
- CR — CARD READER LOCATION. PROVIDE SINGLE GANG BACKBOX AT +42"A.F.F. WITH 3/4" CONDUIT STUBBED INTO "SAFE-SIDE" CEILING SPACE FOR SECURITY CABLING.

FIRE ALARM

- FCP — FA SYSTEM ADDRESSABLE CONTROL PANEL.
- F — FA SYSTEM PULL STATION.
- V — FA SYSTEM VISUAL (STROBE) SIGNAL; WALL MOUNTED.
- H — FA SYSTEM HORN STROBE SIGNAL; WALL MOUNTED.
- V — FA SYSTEM VISUAL (STROBE) SIGNAL; CEILING MOUNTED.
- AV — FA SYSTEM COMBO HORN / VISUAL (STROBE) SIGNAL; WALL MOUNTED.
- AV — FA SYSTEM COMBO HORN / VISUAL (STROBE) SIGNAL; CEILING MOUNTED.
- SD — FA SYSTEM SMOKE DETECTOR; CEILING MOUNTED.
- HD — FA SYSTEM HEAT DETECTOR; CEILING MOUNTED. PROVIDE RATE OF RISE OR FIXED TEMPERATURE (FT) TYPE TO BEST PROTECT ENVIRONMENT INSTALLED.
- MH — FA SYSTEM MAGNETIC DOOR HOLD OPEN DEVICE.
- CO — FA SYSTEM CARBON MONOXIDE DETECTOR.
- K — FA SYSTEM KEY OPERATED REMOTE TEST SWITCH WITH INDICATING LIGHT.

SERVICE AND DISTRIBUTION

- NON-FUSED SAFETY DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
- F — FUSED DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
- CONTROL OR MISC. PANEL AS NOTED.
- CIRCUIT BREAKER PANELBOARD
- DISTRIBUTION PANEL.
- MOTOR CONNECTION, HORSEPOWER, VOLTAGE AND PHASE AS NOTED.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	MANUFACTURER & CATALOG NUMBER	REMARKS
A	2'X4' LED LIGHTING FIXTURE. LOW PROFILE.	RECESSED GRID	LED 4000K	MVOLT	LITHONIA 2BLT4 RB 40L ADP EZ1 LP840	
AN	2'X4' LED LIGHTING FIXTURE. LOW PROFILE, DIMMING AND nLIGHT ENABLED.	RECESSED GRID	LED 4000K	MVOLT	LITHONIA 2BLT4 RB 40L ADP EZ1 LP840 N100	FIXTURES TO BE DAISY CHAIN LINKED WITH PLENUM RATED, CATEGORY 5 CABLE FOR CONTROL
B	6" LED RECESSED LIGHT	RECESSED	LED 4000K	MVOLT	GOTHAM - EVO EVO6SH 40/20 DFR SOL MVOLT EZ10	
BN	6" LED RECESSED LIGHT, DIMMING AND nLIGHT ENABLED	RECESSED	LED 4000K	MVOLT	GOTHAM - EVO EVO6SH 40/20 DFR SOL MVOLT EZ10 NLT	FIXTURES TO BE DAISY CHAIN LINKED WITH PLENUM RATED, CATEGORY 5 CABLE FOR CONTROL
⊗	LED EMERGENCY EXIT SIGN NICKLE CADMIUM BATTERIES	AS REQ'D	LED	120/277	LITHONIA MODEL# LMQ S W 3 R 120/277 EL N SD	VERIFY EXACT MOUNTING WITH ARCHITECT; FACES (SINGLE OR DOUBLE) AS REQ'D

LIGHTING FIXTURE SCHEDULE NOTES

1. VERIFY COLOR TEMPERATURE OF ALL LIGHTING FIXTURES WITH ARCHITECT AND OWNER.
2. ALL LIGHT FIXTURES SHALL BE RATED FOR THE BUILDING VOLTAGE WITH MULTI-VOLTBALLASTS WHERE AVAILABLE.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND LOCATIONS.
4. CONTRACTOR SHALL SHALL PROVIDE EACH LIGHT FIXTURE COMPLETE WITH PLASTER FRAME AND ALL OTHER INSTALLATION AND HANGING HARDWARE AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION AT EACH FIXTURE LOCATION.
5. REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LIGHT FIXTURES.
6. COLOR SELECTION OF EXISTING EXTERIOR LIGHT FIXTURES WILL BE BY ARCHITECT. COLORS TO BE SELECTED FROM MANUFACTURES COLOR PALETTE.

NOTE:

ALL SYMBOLS, ABBREVIATIONS, ETC... ARE GENERAL OFFICE STANDARD AND ARE NOT ALL NECESSARILY USED IN THIS PROJECT.

MOUNTING HEIGHT NOTE:

REFER TO ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES BEFORE ROUGH-IN.

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ISSUED FOR:	DATE

DRWN:	CHK'D:	APPRV'D:
RMS	SJS	SJS

DATE: 04-13-2022
PROJECT NUMBER 30186
SHEET NUMBER E4.0

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