FUNNELLE HALL BATHROOM RENOVATIONS

100% SUBMISSION

SUNY OSWEGO

NOT FOR CONSTRUCTION

NEW YORK STATE OF OPPORTUNITY. | DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Seal & Signature

ARCHITECT:

BELL & SPINA
215 WYOMING STREET
SYRACUSE, NY 13204
(315)487-5947

Seal & Signature

M/E/P/FP ENGINEER:

POPLI DESIGN GROUP
555 PENBROOKE DRIVE
PENFIELD, NY 14526
(585)388-2060

Seal & Signature

ENVIRONMENTAL TESTING & DESIGN:

ATLANTIC TESTING LABORATORIES
6085 COURT STREET ROAD
SYRACUSE, NY 13206
(315)699-5281

Seal & Signature

STRUCTURAL ENGINEER:

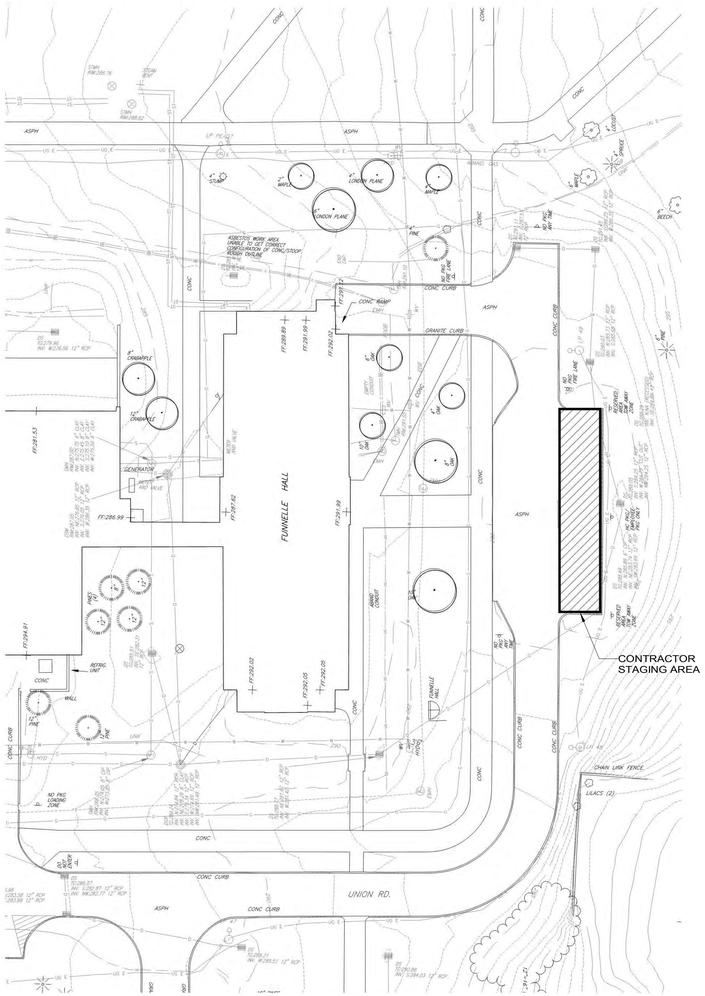
RYAN BIGGS CLARK DAVIS
257 USHERS ROAD
CLIFTON PARK, NY 12065
(518)06-5506

LIST of DRAWINGS

FUNNELLE HALL BATHROOM RENOVATIONS
SUNY OSWEGO
100% SUBMISSION
Date: 12/14/2018

DASNY Project No: 319010-CR12

Drawing 1 of 129



P 2 CONTRACTOR STAGING SITE PLAN

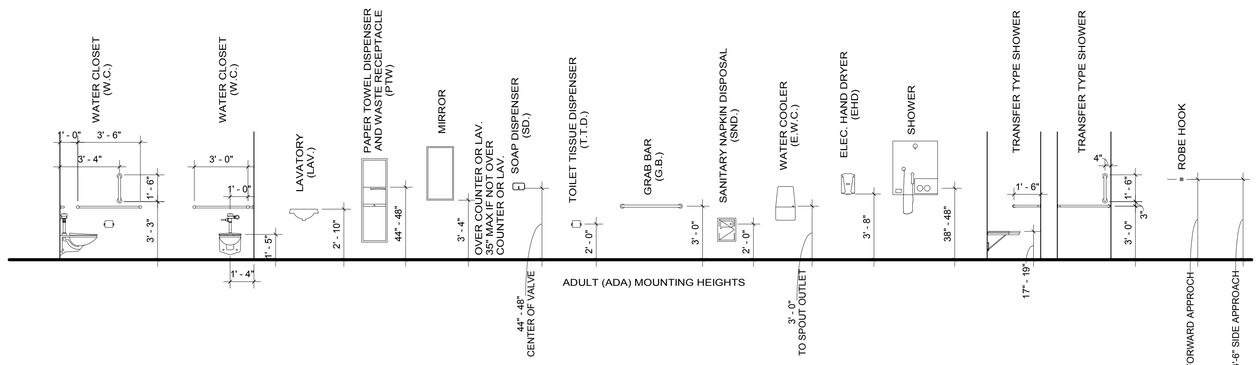
SCALE: NTS

TYPICAL ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
#	POUND OR NUMBER
&	AND
@	AT
A.B.	ANCHOR BOLT
A/C.	AIR CONDITIONER
ABV.	ABOVE
ACT.	ACOUSTIC CEILING TILE
AD.	AREA DRAIN
ADD.	ADDENDUM
ADJ.	ADJUST
AFF.	ABOVE FINISHED FLOOR
AFG.	ABOVE FINISHED GRADE
AG.	ABOVE GRADE
ALT.	ALTERNATE
ALUM.	ALUMINUM
ANOD.	ANODIZED
APPROX.	APPROXIMATELY
ASPH.	ASPHALT
AVG.	AVERAGE
BD.	BOARD
BLKG.	BLOCKING
BOF.	BOTTOM OF FOOTING
BSMT.	BASEMENT
BTM.	BOTTOM
BYND.	BEYOND
CHNL.	CHANNEL
CIP.	CAST IN PLACE
CJ.	CONTROL JOINT
CL.	CENTER LINE
CLG.	CEILING
CLG.	CEILING
CLR.	CLEAR
CMU.	CONCRETE MASONRY UNIT
CO.	CLEAN OUT
COL.	COLUMN
COMPR.	COMPRESSIBLE
CONC.	CONCRETE
CONST.	CONSTRUCTION'
CONT.	CONTINUOUS
CPT.	CARPET
CT.	CERAMIC TILE
D.	PENNY
DBL.	DOUBLE
DEMO.	DEMOLISH OR DEMOLITION
DIA.	DIAMETER
DIM.	DIMENSION
DIMS.	DIMENSIONS
DL.	DEAD LOAD

TYPICAL ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
DN.	DOWN
DR.	DOOR
DS.	DOWNSPOUT
DWG.	DRAWING
EA.	EACH
EF.	EXHAUST FAN
EJ.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR OR ELEVATION
EPDM.	ETHYLENE PROPYLENE DIENE MONOMER
EQ.	EQUAL
EX., EXIST.	EXISTING
EXJT.	EXPANSION JOINT
EXT.	EXTERIOR
FD.	FLOOR DRAIN
FEC.	FIRE EXTINGUISHER CABINET
FG.	FIBERGLASS
FIN.	FINISH
FIXT.	FIXTURE
FLR.	FLOOR
FM.	FILLED METAL
FND.	FOUNDATION
FO.	FACE OF
GA.	GAUGE
GALV.	GALVANIZED
GC.	GENERAL CONTRACTOR
GFI.	GROUND FAULT INTERUPT
GT.	GLAZED TILE
GWB.	GYPSUM WALL BOARD
GYP.	GYPSUM
HB.	HOSE BIB
HC.	HOLLOW CORE
HGT.	HEIGHT
HI.	HIGH
HM.	HOLLOW METAL
HOR.	HORIZONTAL
HP.	HIGH POINT
HR.	HOUR
HV.	HOT VENT
HVAC.	HEATING, VENTILATING, AND AIR CONDITIONING
HW.	HOT WATER
ILO.	IN LIEU OF
INC.	INCLUDING
INSUL.	INSULATED OR INSULATION
INT.	INTERIOR

TYPICAL ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
IRGWB	IMPACT RESISTANT GYPSUM WALL BOARD
JCT.	JUNCTION
JST.	JOIST
KEE.	KEYTONE ETHYLENE ESTER
LAM.	LAMINATE
LAT.	LATERAL
LFT.	LINEAR FEET
LIN.	LINEAR
MANUF.	MANUFACTURER
MAS.	MASONRY
MAX.	MAXIMUM
MECH.	MECHANICAL
MED.	MEDIUM
MEMB.	MEMBRANE
MFG.	MANUFACTURING
MIN.	MINIMUM
MO.	MASONRY OPENING
MOD. BIT.	MODIFIED BITUMEN
MPH.	MILES PER HOUR
MRGWB.	MOISTURE-RESISTANT GYPSUM WALL BOARD
MTL.	METAL
NIC.	NOT IN CONRACT
NLR.	NAILER
NO.	NUMBER
NOM.	NOMINAL
NTS.	NOT TO SCALE
OC.	ON CENTER
OD.	OUTSIDE DIAMETER
OH.	OPPOSITE HAND
OPP.	OPPOSITE
OZ.	OUNCE
PCC.	PRE-CAST CONCRETE
PERF.	PERFORATED
PLA.	PLASTER
PLT.	PLATE
PLUMB.	PLUMBING
PLYD.	PLYWOOD
PNT.	PAINT OR PAINTED
PORC.	PORCELAIN
PP.	PIPE PENETRATION
PRE.	POWER ROOF EXHAUST
PSF.	POUNDS PER SQUARE FOOT
PSI.	PONDS PER SQUARE INCH
PT.	PORCELAIN TILE
PVC.	POLYVINYL CHLORIDE
QYT.	QUANTITY
RAD.	RADIUS

TYPICAL ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
RBR.	RUBBER
RCP.	REFLECTED CEILING PLAN
RD.	ROOF DRAIN
RDL.	ROOF DRAIN LEADER
REINF.	REINFORCED
REM.	REMOVE
REQ.	REQUIRED
RM.	ROOM
RO.	ROUGH OPENING
RTU.	ROOF TOP UNIT
SAN.	SANITARY
SCHED.	SCHEDULE
SECT.	SECTION
SF.	SQUARE FOOT
SHT.	SHEET
SHTG.	SHEATHING
SI.	SQUARE INCHES
SIM.	SIMILAR
SPEC.	SPECIFIED OR SPECIFICATION
SPK	SPRINKLER OR SPEAKER
SRV.	STATIONARY ROOF VENT
SS	STAINLESS STEEL
STC.	SOUND TRANSMISSION COEFFICIENT
STL.	STEEL
STRUCT.	STRUCTURE OR STRUCTURAL
T&G	TONGUE AND GROOVE
T/D.	TELEPHONE/DATA
TELE.	TELEPHONE
TLT.	TOILET
TO.	TOP OF
TOC.	TOP OF CONCRETE
TOJ.	TOP OF JOIST
TOM.	TOP OF MASONRY
TOS.	TOP OF STEEL
TOW.	TOP OF WALL
TPD.	TOILET PAPER DISPENSER
TS.	TUBE STEEL
TYP.	TYPICAL
U/S.	UNDERSIDE
UNO.	UNLESS NOTED OTHERWISE
V.	PLUMBING VENT
VCT.	VINYL COMPOSITE TILE
VIF.	VERIFY IN FIELD
VP.	VISION PANEL
VR.	VAPOR RETARDER
W/	WITH
WD.	WOOD
WP.	WATERPROOFING



I 1 ADA MOUNTING HEIGHTS

1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client

SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ABBREVIATIONS AND MOUNTING HEIGHTS

Phase
100% SUBMISSION

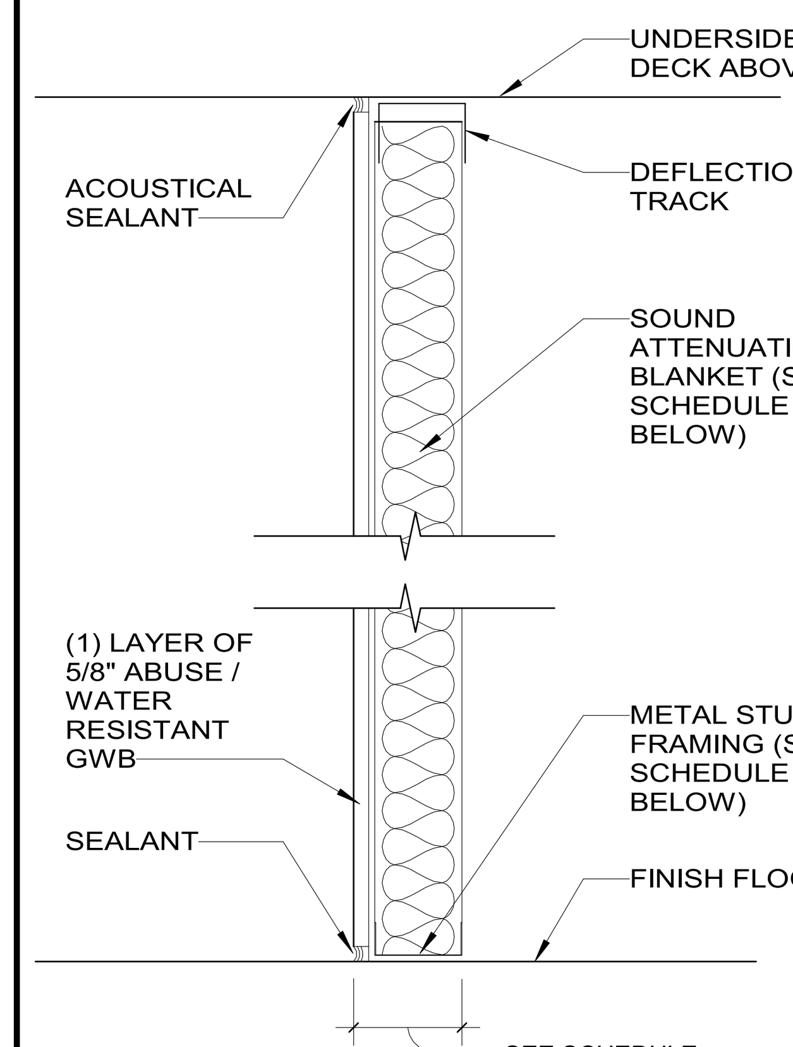
Drawn By:	Checked By:	Date:
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No:
319010-CR12

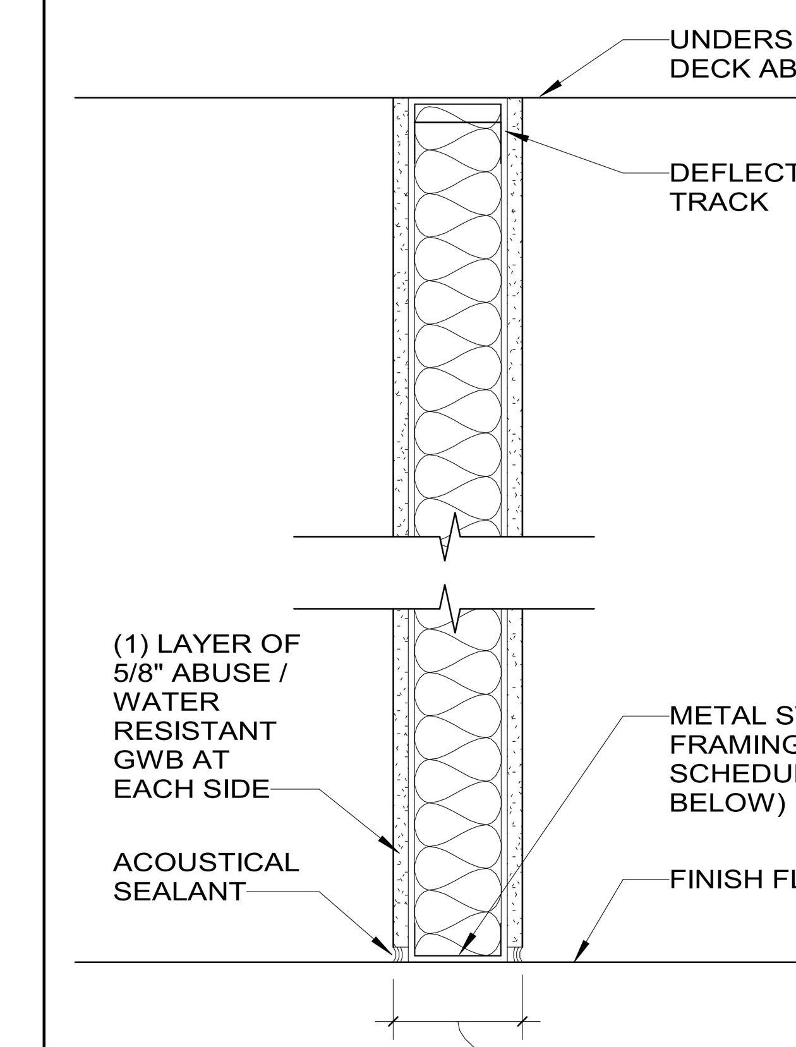
Drawing Number
G002

Drawing 2 of 129



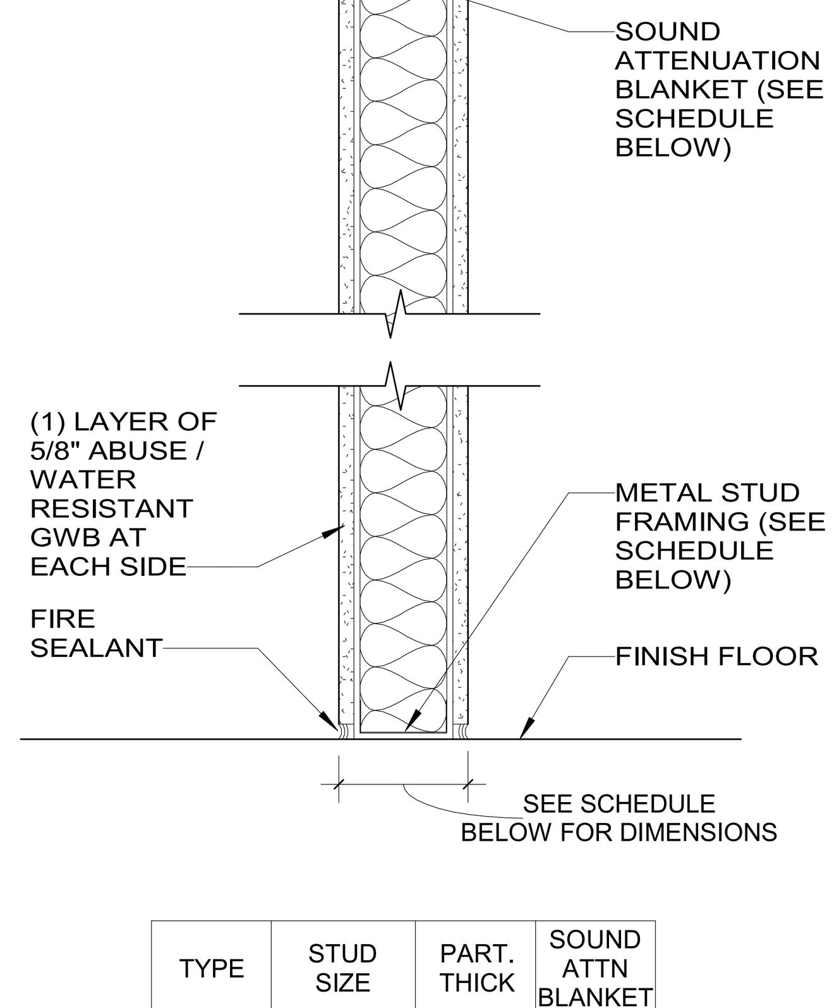
TYPE	STUD SIZE	PART. THICK	SOUND ATTN BLANKET
A1	7/8" (H)	1 1/2"	NONE
A2	1-5/8" (CH)	2 1/4"	NONE
A3	2-1/2" (CH)	3 1/8"	NONE
A4	3-5/8" (CH)	4 1/4"	NONE
A5	3-5/8" (CH)	4 1/4"	3-1/2"
A6	6" (CH)	6 5/8"	6"

1 WALL TYPE A
1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK	SOUND ATTN BLANKET
B1	3-5/8" (CH)	4-7/8"	NONE
B2	3-5/8" (CH)	4-7/8"	3-1/2"
B3	6" (CH)	7-1/4"	5-1/2"

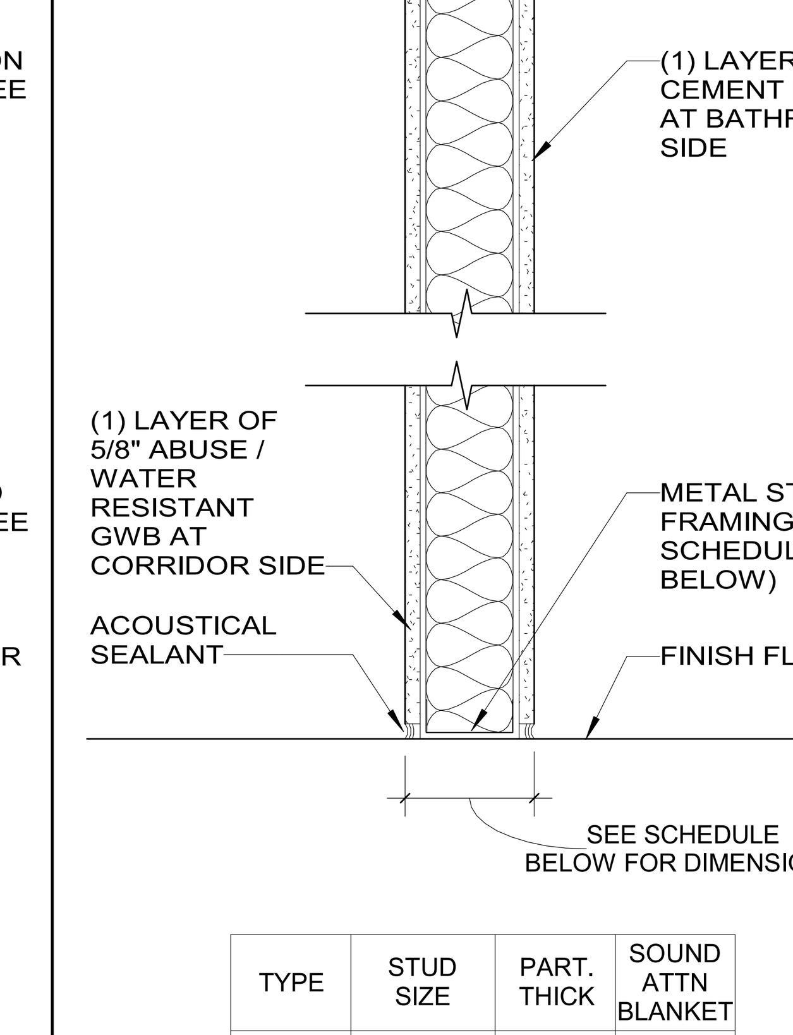
2 WALL TYPE B
1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK	SOUND ATTN BLANKET
C1	3-5/8" (CH)	4-7/8"	3-1/2"
C2	6" (CH)	7-1/4"	6"

*UL: DESIGN NO. U419

3 WALL TYPE C (1HR RATED)
1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK	SOUND ATTN BLANKET
D1	3-5/8" (CH)	4-7/8"	NONE
D2	3-5/8" (CH)	4-7/8"	3-1/2"
D3	6" (CH)	7-1/4"	5-1/2"

*UL: DESIGN NO. U404

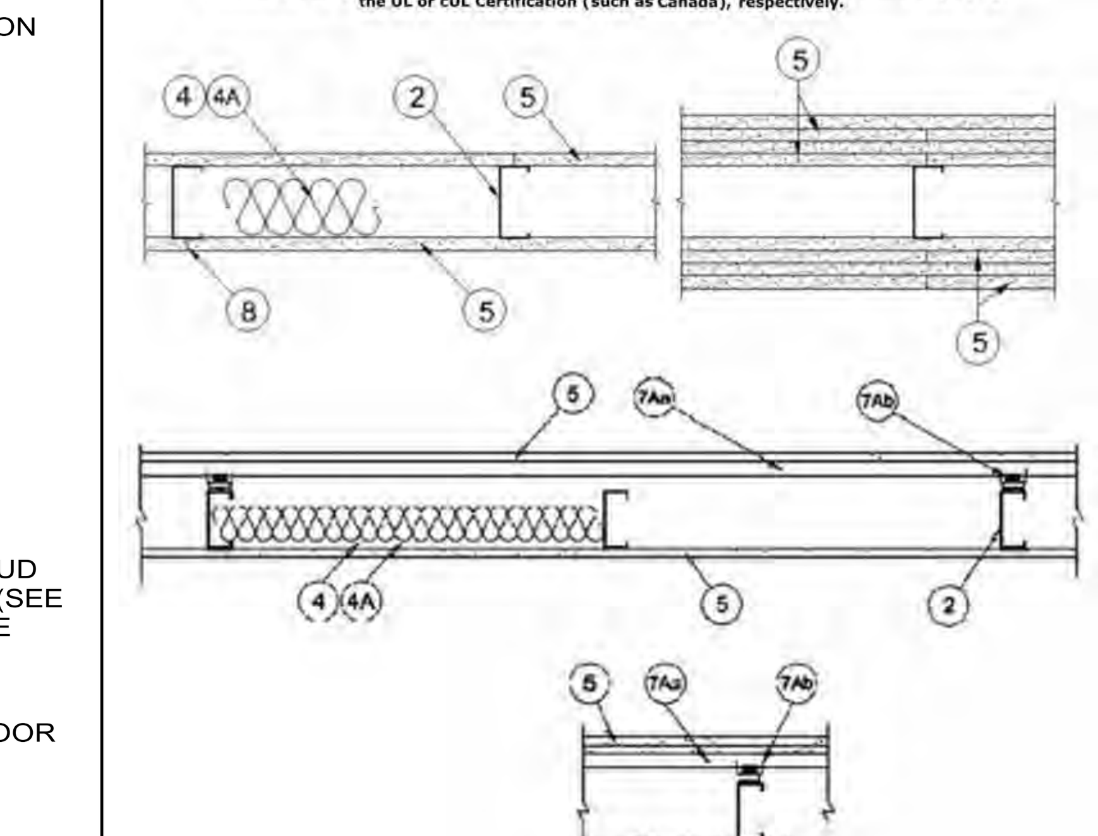
4 WALL TYPE D
1 1/2" = 1'-0"

Design No. U419

September 28, 2018

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

1B. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1D. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1F. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS — The Edge

1G. **Framing Members* — Floor and Ceiling Runner —** For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

TELLING INDUSTRIES L L C — Viper25™ Track

1K. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™ Track

1L. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL INVESTMENT GROUP L L C — AlphaTRAK

1M. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Track

1O. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

2. **Steel Studs —** Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs —** (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J and 5K) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. **Framing Members* - Steel Studs —** (As an alternate to Item 2, For use with Items 5C, 5I or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

FUSION BUILDING PRODUCTS — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. **Framing Members* — Steel Studs —** In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2E. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or 5K only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in. less than the assembly height.

STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members* — Steel Studs —** (As an alternate to Item 2, For use with Items 5C or 5L or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

TELLING INDUSTRIES L L C — Viper25™

2J. **Framing Members* — Metal Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

TELLING INDUSTRIES L L C — Viper20™

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

EB METAL INC — NITROSTUD

2L. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. **Framing Members*— Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.

STEEL INVESTMENT GROUP L L C — AlphaSTUD

2O. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Stud

2Q. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1O, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

3. **Wood Structural Panel Sheathing —** (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets* —** (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4A. **Batts and Blankets* —** (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4B. **Batts and Blankets* —** For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4C. **Fiber, Sprayed* —** (Optional) and as an alternate to Batts and Blankets (Item 4B) where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).

AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members***, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.

CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board* —** (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board* —** (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX.

UNITED STATES GYPSUM CO — Type SCX, SGX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX

USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board* —** (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5J. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5K. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) need not be staggered. The number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2 through 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4B)
1	3-5/8	1 layer, 5/8 in. thick	3-1/2 in.
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional

UNITED STATES GYPSUM CO — 5/8 in. thick Type ULIX

6. **Fasteners —** (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels —** (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. **Framing Members* —** (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC — Type Isomax

7C. **Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

7D. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REGUPOL AMERICA — Type SonusClip

7F. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

8. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco —** (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants* —** (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS

11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips —** (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs —** (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

13. **Lead Batten Strips —** (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs —** (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

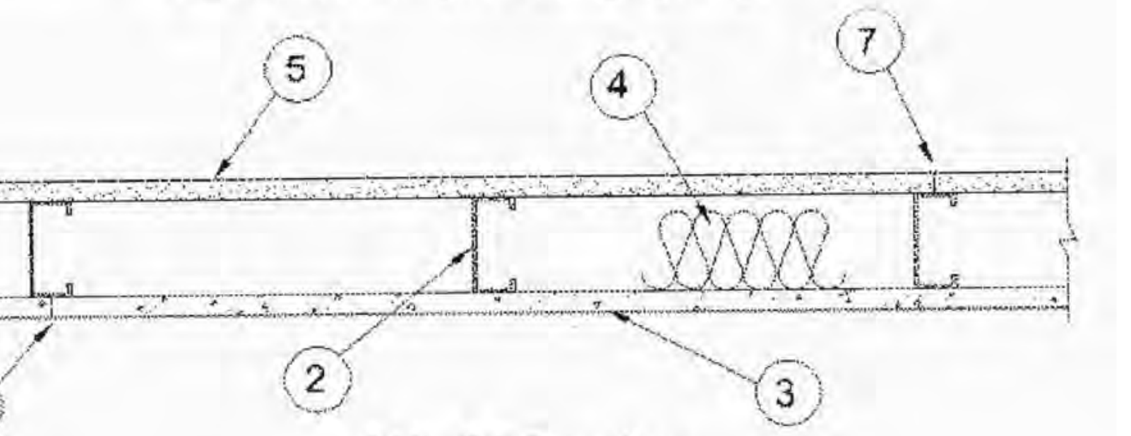
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. U404

October 10, 2017

Nonbearing Wall Rating — 1 and 2 Hr (See Items 3 and 5)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1 Hr. Configuration

1. **Steel Floor and Ceiling Runners —** (Not Shown) — Channel shaped, 3-1/2 in. wide by 1-1/4 in. deep, fabricated from min 20 MSG (0.0329 in., min bare metal thickness) galvanized steel. Attached to floor and ceiling with steel fasteners spaced 24 in. OC max.

2. **Steel Studs —** Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

3. **Cementitious Backer Units* —** 1/2 in. or 5/8 in. thick, applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with corrosion resistant, chamfered, ribbed wafer head screws with a minimum head diameter of .400 inch. For nonbearing systems, fastened to studs and bottom runners with the uppermost screws placed 1/2 in. to 2 in. below the bottom edge of the leg of the top runner. Horizontal joints need not be backed by framing. **1 Hr System** - Screws shall be min 1-1/4 in. long and spaced a max of 8 in. OC. All vertical joints staggered one stud cavity from gypsum board vertical joints on the opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2-Hr System** - For the base layer in Configuration B, the screws shall be min 1-1/4 in. long and spaced a max of 12 in. OC. For the face layers, screws shall be 1-5/8 in. long and spaced a max of 8 in. OC. All face layer joints offset min 12 in. from underlying base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall.

UNITED STATES GYPSUM CO — Type DCB

4. **Batts and Blankets* —** Min 3 in. thick mineral wool insulation batts, friction-fitted between studs .

INDUSTRIAL INSULATION GROUP L L C — Type SAFB

JOHNS MANVILLE — Type SAFB

ROCKWOOL — Type AFB

THERMAFIBER INC — Type SAFB, SAFB FF

5. **Gypsum Board* —** 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Fastened with Type S-12 screws. **1-Hr System** - For vertical application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC at vertical edges and spaced max 12 in. OC in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC. Vertical joints staggered one stud cavity from cement board vertical joints on opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2-Hr System** - Base layer with an overlying gypsum board face layer, fastened with 1 in. long screws spaced max 16 in. OC to studs and runners. Base layer with an overlying cement board face layer, fastened with 1 in. long screws spaced max 12 in. OC to studs and runners. Face layers fastened with 1-5/8 in. long screws spaced max 16 in. OC to studs and runners with screws offset 8 in. from face layer screws. Face layer joints offset min 12 in. from base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, SGX, ULX, USGX, WRC or WRX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, WRC, WRX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

5A. **Gypsum Board* —** (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

5B. **Gypsum Board* —** (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5C. **Gypsum Board* —** (As an alternate to Item 5) For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in OC in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5D. **Gypsum Board* —** ((As an alternate to Items 5 may be used as the base layer on one or both sides of wall, For direct attachment only)) For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel.

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

6. **Joints —** Covered with glass fiber mesh tape and latex modified Portland cement mortar or basecoat, or Type I organic adhesive.

7. **Joints —** When tapered edge gypsum board is used, face layer joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced. When square-edge gypsum board is used, treatment of joints is optional.

8. **Vapor Retarder, Water Barrier or Weather Resistive Barrier —** (Optional — Not shown) — As required.

9. **Lead Batten Strips —** (Not Shown, For use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5A) and optional at remaining stud locations. Required behind vertical joints.

9A. **Lead Batten Strips —** (Not Shown, for use with Item 5C) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of .0140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5) and optional at remaining stud locations.

10. **Lead Discs or Tabs —** (Not Shown, For use With Item 5A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. **Lead Discs —** (Not Shown, for use with Item 5C) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations.

12. **Lead Tabs —** (Not Shown, For Use With Item 5B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

NEW YORK STATE OF OPPORTUNITY. | DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
WALL TYPES

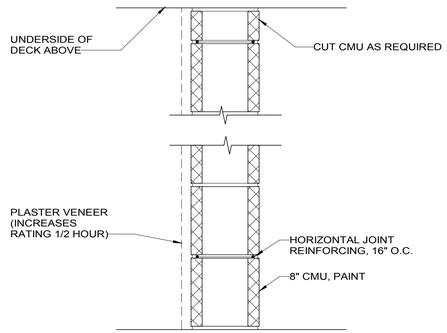
Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number G003

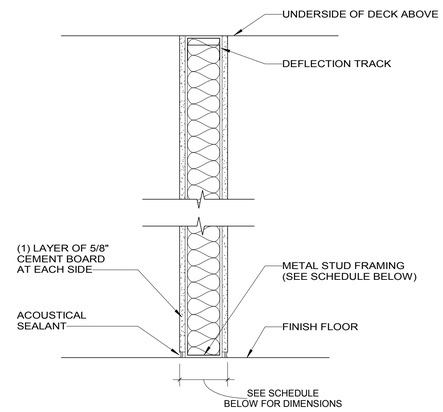


TYPE	CMU SIZE	PART. THICK	SOUND ATTN BLANKET
F1	7 5/8"	7 5/8"	NONE
F2	11 5/8"	11 5/8"	NONE
F3	7 5/8"	8 3/8"	NONE

*UL: DESIGN NO. U905

2 WALL TYPE F (2HR RATED)

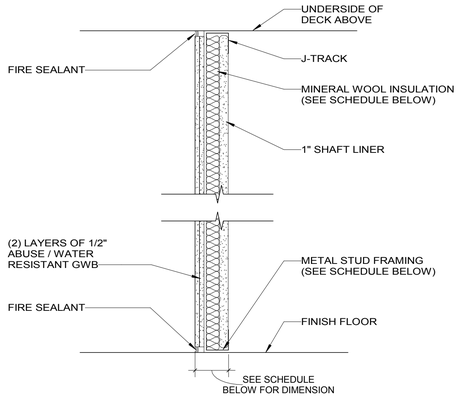
1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK	SOUND ATTN BLANKET
G1	3-5/8" (CH)	4-7/8"	NONE
G2	3-5/8" (CH)	4-7/8"	3-1/2"
G3	6" (CH)	7-1/4"	5-1/2"

3 WALL TYPE G

1 1/2" = 1'-0"

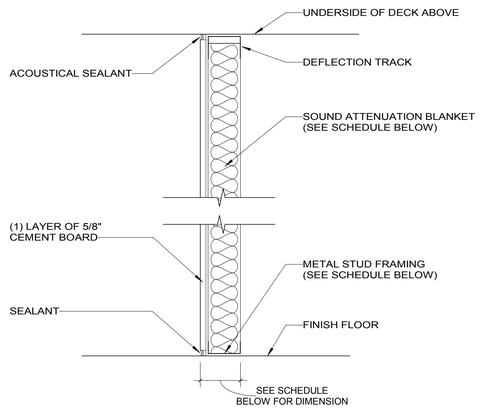


TYPE	STUD SIZE	PART. THICK	INSUL.
E1	2-1/2" (CH)	3-1/2"	1-1/2"

*UL: DESIGN NO. U415 SYSTEM B

1 WALL TYPE E (2HR RATED)

1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK	SOUND ATTN BLANKET
H1	7/8" (H)	1 1/2"	NONE
H2	1-5/8" (CH)	2 1/4"	NONE
H3	2-1/2" (CH)	3 1/8"	NONE
H4	3-5/8" (CH)	4 1/4"	NONE
H5	3-5/8" (CH)	4 1/4"	3-1/2"
H6	6" (CH)	6 5/8"	6"

4 WALL TYPE H

1 1/2" = 1'-0"

Design No. U905

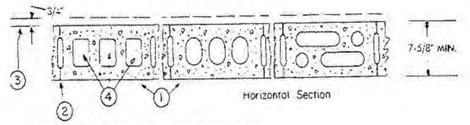
April 09, 2018

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr).

See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS — Types Xci-Class A, Xci 286

RMAX OPERATING L L C — "TSX-8500", "TSX-8510", "Thermasheath-XP", "ECOMAXci", "Thermasheath-3", "Durasheath-3"

THE DOW CHEMICAL CO — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and TUFF-R™ ci Insulation

5A. **Building Units —** As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

RMAX OPERATING L L C — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI"

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

System B – 2 Hr.

1. **Floor, Side and Ceiling Runners —** "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. **Steel Studs —** "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used).

2A. **Steel Studs —** (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

2B. **Furring Channels —** (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7).

2C. **Furring Channels —** For use with System 1 - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. **Steel Framing Members* —** (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

2E. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below.. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B), Type X-Ray Shielded Gypsum (Item 4C), Type RPP-Lead Lined Drywall (Item 4F) or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

2F. **Steel Framing Members* —** (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

2G. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B), Type X-Ray Shielded Gypsum (Item 4C), Type RPP-Lead Lined Drywall (Item 4F) or cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2Gb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ga) to studs. Clips spaced 24 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REGUPOL AMERICA — Type SonusClip

2H. **Steel Framing Members* —** (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B), Type X-Ray Shielded Gypsum (Item 4C), Type RPP-Lead Lined Drywall (Item 4F) or cementitious backer units (Item 7)::

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 2Ha) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

3. **Gypsum Board*** — Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System 1, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.

CGC INC — Type SLX

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

4. **Gypsum Board* —**

System A — 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, WRC, WRX, USGX. When ULIX is used insulation, Item 6, **Batts and Blankets*** is required and minimum stud depth is 4 in.

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

WALL TYPES

Phase

100% SUBMISSION

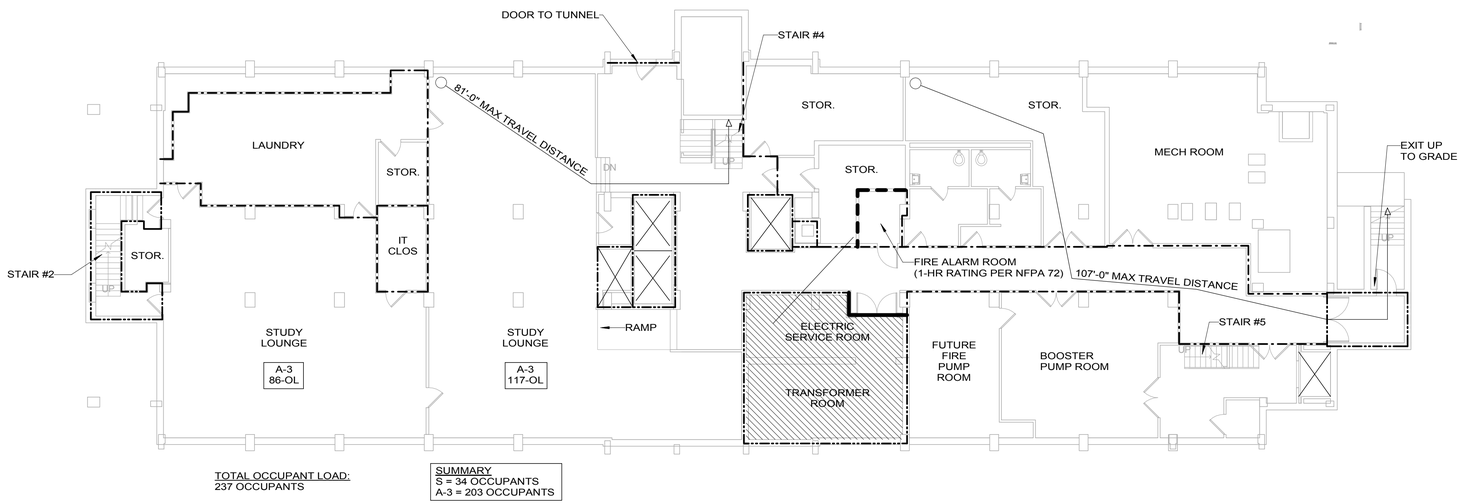
Drawn By:	*Checked By:*	*Date:*
RJG	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number G004

Drawing 4 *of* 129

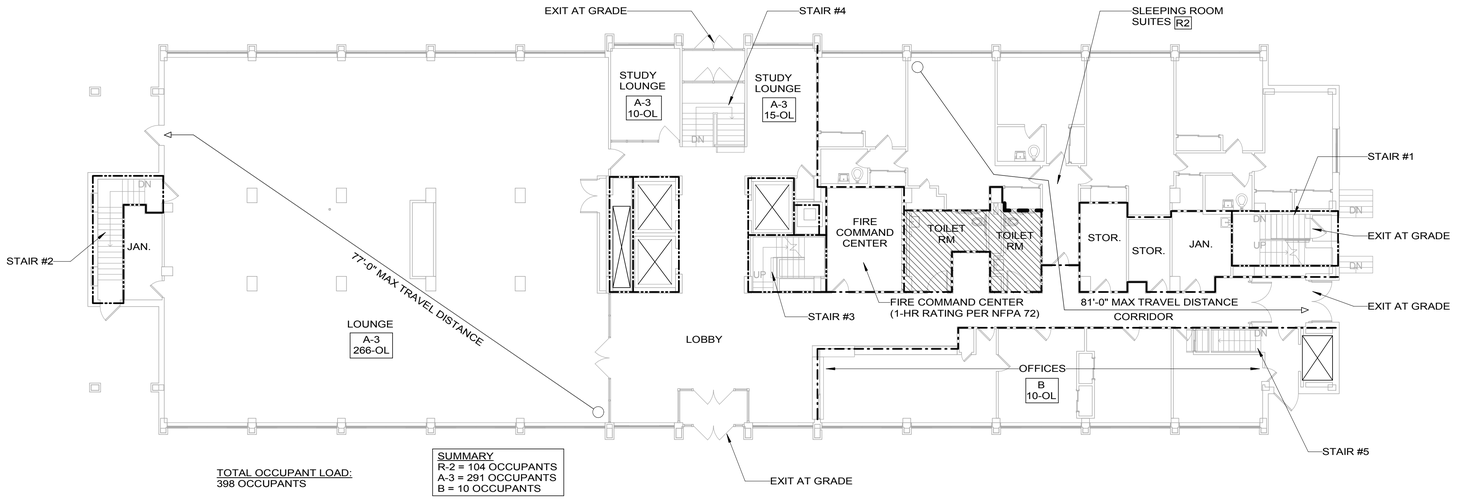


TOTAL OCCUPANT LOAD:
237 OCCUPANTS

SUMMARY
S = 34 OCCUPANTS
A-3 = 203 OCCUPANTS

1 BASEMENT - CODE REVIEW

3/32" = 1'-0"



TOTAL OCCUPANT LOAD:
398 OCCUPANTS

SUMMARY
R-2 = 104 OCCUPANTS
A-3 = 291 OCCUPANTS
B = 10 OCCUPANTS

2 1ST FLOOR PLAN - CODE REVIEW

3/32" = 1'-0"

AUTHORITY HAVING JURISDICTION
DORMITORY AUTHORITY OF THE STATE OF NY 515 BROADWAY, ALBANY, NY 12207
CODE INFORMATION
APPLICABLE CODES: 2017 NYS UNIFORM FIRE PREVENTION AND BUILDING CODES, 2017 UNIFORM CODE SUPPLEMENT, 2016 ENERGY CODE SUPPLEMENT, NFPA ANSI A117.1-2009
EXISTING BUILDING CODE
PROJECT TYPE: ALTERATION LEVEL 2, WORK AREA IS LESS THAN 50% OF FLOOR AREA
BUILDING DATA
USE DESCRIPTION: RESIDENCE HALL(NO CHANGE) OCCUPANCY: R-2 DORMITORY, B OFFICES, A-3 ASSEMBLY GATHERING SPACES(NO CHANGE), S STORAGE (ACCESSORY SPACES) CONSTRUCTION TYPE: 1-B NON-COMBUSTIBLE PROTECTED EXTERIOR WALL FIRE RESISTANCE: 0-HR (TABLE 602 SEPARATION TO PROPERTY LINE IS GREATER THAN 10'-0" HAZARD CLASSIFICATION: N/A NO. STORIES/BUILDING HEIGHT: SEE CHART ALLOWABLE AREA: UNLIMITED AREA ACTUAL AREA: 106,376 SQ.FT. ALLOWABLE HEIGHT: 160'/11 STORIES(NON SPRINKLERED BLDG ACTUAL HEIGHT: 98.8'/9 STORIES(NO CHANGE) FRONTAGE INCREASE: NOT TABULATED SPRINKLERS: NONE EXISTING. PARTIAL NFPA 13 SPRINKLERS AND NFPA 14 STANDPIPE INFRASTRUCTURE PROVIDED IN THE WORK AREAS. SYSTEM WILL NOT BE ACTIVATED UNTIL FUTURE PROJECT

	REQUIRED	ACTUAL/ PROPOSED
EXITS = NUM. AND SIZE	2 MINIMUM PER FLOOR (ALL OCCUPANCY TYPES)	2 PER FLOOR
MAX TRAVEL DISTANCE	200'(ASSUMES NON SPRINKLERED BLDG)	SEE DRAWING
MAX COMMON PATH OF TRAVEL	75', ASSUMES NON-SPRINKLERED BUILDING	SEE DRAWING
MAX DEAD END CORRIDOR	20' NON SPRINKLERED 35' (EXISTING BUILDING CODE)	81' ACTUAL (NO CHANGE)
AUTOMATIC SPRINKLERS	REQUIRED	NONE EXISTING PARTIAL COVERAGE PROPOSED
SMOKE DETECTORS	REQUIRED	YES
C/O DETECTORS	NO GAS FIRED EQUIP.	NOT PROVIDED
FIRE ALARM	REQUIRED	EXISTING
MIN. CORR. WIDTH	44" (OCCUPANT LOAD> 50)	ACTUAL 60" (NO CHANGE)
FLOORS	FLOOR AREA	
BASEMENT	10,128 SQ. FT.	
1ST FLOOR	10,128 SQ. FT.	
2ND-9TH FLOORS	10,765 SQ. FT. / EACH	
TOTAL:	106,376 SQ. FT.	

LEGEND:

= 1 HOUR FIRE (EXISTING)
= 2 HOUR FIRE (EXISTING)
= 1 HOUR FIRE (NEW)
= 2 HOUR FIRE (NEW)
= AREA OF WORK
A-3 10-OL = OCCUPANCY TYPE OCCUPANCY LOAD
FE = FIRE EXTINGUISHER

GENERAL CODE NOTES:

1. THE FLOOR PLAN BACKGROUND FOR NEW AND EXISTING CONSTRUCTION IS SHOWN GRAY - HALF TONE. DESIGNATIONS FOR FIRE PARTITIONS AND THE CODE COMPLIANCE RELATED INFORMATION ARE SHOWN FULL TONE. REFER TO CONTRACT DRAWINGS TO DETERMINE WHICH COMPONENTS ARE NEW AND WHICH ARE EXISTING.
2. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF EXIT LIGHTS, EMERGENCY LIGHTS AND FIRE ALARM SYSTEM.
3. REFER TO FIRE PROTECTION DRAWINGS FOR LOCATIONS OF SPRINKLERS INFRASTRUCTURE

FIRE RESISTANCE RATING - NYSBC CHAPTER 6 TABLE 601	
ITEM	**FIRE RATING**
STRUCTURAL FRAME	2 HOURS
BEARING WALLS:	
EXTERIOR	2 HOURS
INTERIOR	2 HOURS
NON BEARING WALLS & PARTITIONS	0 HOUR
EXTERIOR SEPARATION GREATER OR EQUAL TO 30'	UNLESS REQUIRED OTHERWISE ON THIS SHEET
INTERIOR	
FLOORS CONSTRUCTION	2 HOURS
ROOF CONSTRUCTION	2 HOURS
MISCELLANEOUS RATINGS	
SHAFT ENCLOSURES 4 OR MORE STORES	2 HOURS
CORRIDORS	1 HOUR FIRE PARTITION - *NOTE #1
DWELLING / SLEEPING UNIT SEPARATION	1 HOUR FIRE PARTITION
ELECTRICAL CLOSET / FIRE ALARM CLOSETS	1 HOUR *NOTE #2
MECHANICAL ROOM	1 HOUR
LAUNDRY ROOM (INCIDENTAL USE PER NYSBC CHAPTER 5)	1 HOUR FIRE BARRIER

NOTE #1: ASSUMES UNSPRINKLERED BUILDING

NOTE #2: FIRE ALARM ROOMS ARE 1-HOUR PER NFPA 72 SECTION 26.5.3
THE MAIN ELECTRICAL ROOM IS 1-HOUR PER NFPA 70-NEC 450.2.1

PLUMBING FIXTURE DATA - NYSBC CHAPTER 29 TABLE 2902.1									
FLOOR	**OCCUPANCY**	**WATER CLOSETS**		**URINALS**	**LAVATORIES**		**SHOWERS / TUBS**	**DRINKING FOUTAINS**	
		MALE	**FEMALE**		**MALE**	**FEMALE**		**REGULAR**	**ACCESSIBLE**
BASEMENT		1	1		1	1	2		
1ST FLOOR	A-3	1	1		1	1		1	1
	R-2 & B	1	2		1	2	3		
2ND-9TH FLOORS	R-2	5 / FLR = 40	5 / FLR = 40		9 / FLR = 72	9 / FLR = 72	9 / FLR = 72		4 / FLR = 32
TOTALS (INCLUDES EXISTING TO REMAIN & NEW)		43	44		75	76	77	1	33

*NOT ALL EXISTING PLUMBING FIXTURES ARE SHOWN ON CODE DRAWINGS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
LIFE SAFETY PLANS

Phase
100% SUBMISSION

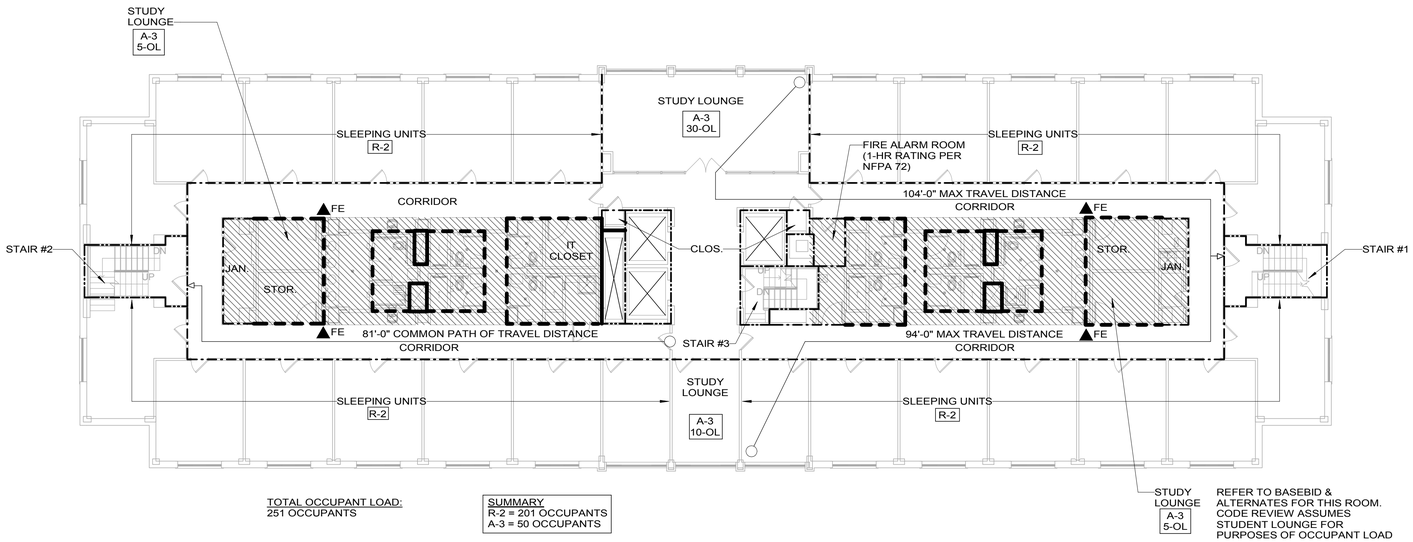
Drawn By: DJS | Checked By: DCS | Date: 12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number
G101

Drawing 5 of 129

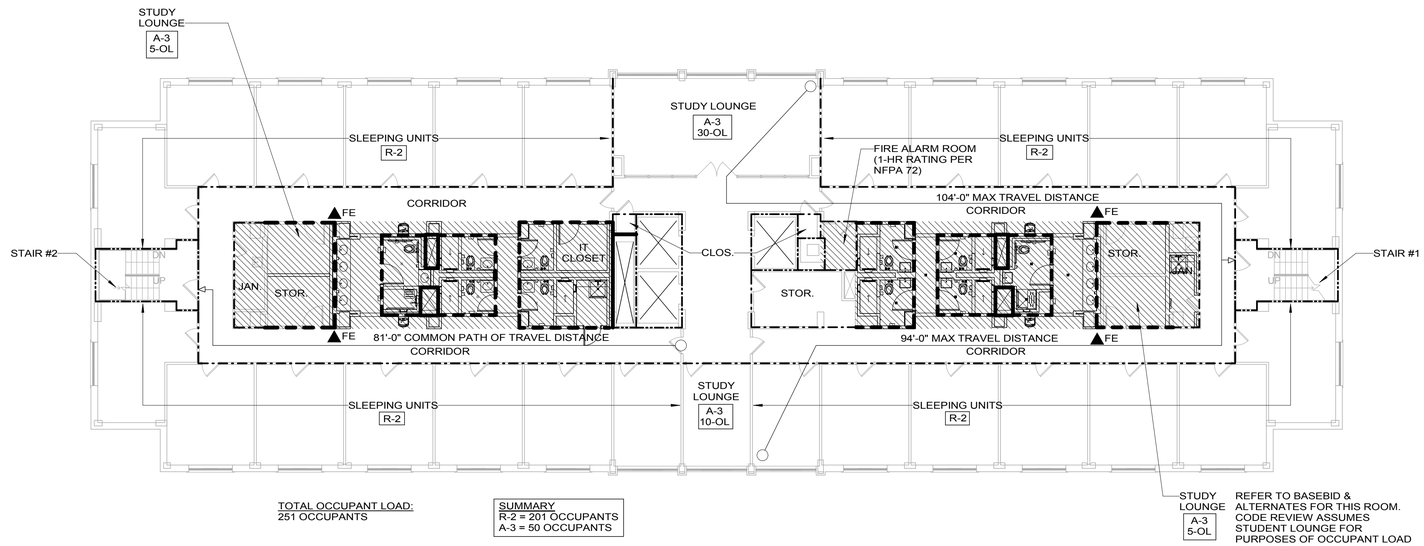


TOTAL OCCUPANT LOAD:
251 OCCUPANTS

SUMMARY
R-2 = 201 OCCUPANTS
A-3 = 50 OCCUPANTS

1 2ND-3RD FLOOR PLAN - CODE REVIEW

3/32" = 1'-0"



TOTAL OCCUPANT LOAD:
251 OCCUPANTS

SUMMARY
R-2 = 201 OCCUPANTS
A-3 = 50 OCCUPANTS

2 4TH-9TH FLOOR PLAN - CODE REVIEW

3/32" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

LIFE SAFETY
PLANS

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No:
319010-CR12

Drawing Number
G102

Drawing of

GENERAL ABATEMENT NOTES:

1. A PRE-RENOVATION HAZARDOUS MATERIALS SURVEY REPORT HAS BEEN PREPARED FOR THE PROJECT. A COPY OF THIS REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS. ADDITIONAL COPIES CAN BE OBTAINED FROM THE DASNY PROJECT MANAGER.
2. ALL MATERIAL MEASUREMENTS AND/OR QUANTITIES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY IN THE FIELD.
3. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL RULES, REGULATIONS, AND GUIDELINES, VARIANCES, AND THE CONTRACT DOCUMENTS.
4. COORDINATE ALL ABATEMENT AND REMOVALS WITH THE SCHEDULED RENOVATIONS.
5. THE BUILDING IS A RESIDENTIAL FACILITY OCCUPIED 24 HOURS A DAY 7 DAYS A WEEK. THE ABATEMENT CONTRACTOR IS REQUIRED TO COORDINATE PHASING, ACCESS, AND ABATEMENT ACTIVITIES WITH THE OWNER AND FACILITY STAFF TO ALLOW FOR CONTINUED OCCUPANCY OF THE BUILDING WHILE COMPLYING WITH REQUIREMENTS OF 12 NYCRR 56.
6. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO ACCESS AND ABATE MATERIALS SCHEDULED FOR REMOVAL.
7. PERFORM WORK WITHOUT DAMAGE TO OR CONTAMINATION OF ADJACENT OR NEARBY AREAS. WHERE SUCH AREAS ARE DAMAGED, RESTORATION MUST BE TO ORIGINAL CONDITION. WHERE SUCH AREAS ARE CONTAMINATED, PROVIDE FOR REQUISITE CONTAINMENT AND CLEANUP.
8. PROVIDE TEMPORARY PROTECTION TO KEEP THE BUILDING IN A WATERTIGHT CONDITION AND TO PREVENT UNAUTHORIZED ACCESS AT ALL TIMES THROUGH THE DURATION OF THE PROJECT. REPAIR FOR DAMAGE CAUSED AS A RESULT OF IMPROPER TEMPORARY PROTECTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. MAINTAIN THE WORK AREA(S) IN A CLEAN AND SAFE CONDITION, AND ENSURE THAT UNCERTIFIED PERSONNEL OR UNAUTHORIZED VISITORS DO NOT ENTER AN ACTIVE WORK AREA.
10. LOCATIONS OF ANY SITE STORAGE OF MATERIAL, EQUIPMENT, AND WASTE RECEPTACLES MUST BE COORDINATED WITH AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
11. CONTRACTOR IS RESPONSIBLE FOR ALL TOOLS, EQUIPMENT, AND SUPPLIES. THE OWNER OR OWNER'S REPRESENTATIVE WILL NOT BE LIABLE FOR THEFT OR DAMAGE.

GENERAL ASBESTOS ABATEMENT NOTES:

1. REFERENCE SECTION 028200 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO THE ABATEMENT OF ACM.
2. THE DISTURBANCE OF ANY ACM, OR SUSPECT MATERIAL, SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR.
3. PERFORM ASBESTOS ABATEMENT WORK IN ACCORDANCE WITH 12 NYCRR PART 56, AS AMENDED EFFECTIVE MARCH 21, 2007, AND INCLUDING INFORMATION PRESENTED IN GUIDANCE DOCUMENT 2.0 DATED JANUARY 30, 2009.
4. IDENTIFIED ACM IN THE AREAS OF SCHEDULED WORK WILL REQUIRE ABATEMENT PRIOR TO PERFORMANCE OF ANY CONSTRUCTION THAT COULD DISTURB THESE MATERIALS. REFERENCE TABLE HM-01 OF THIS SHEET FOR A SUMMARY OF THE IDENTIFIED ACM IN THE AREAS OF WORK. THE ABATEMENT PLAN DRAWINGS PROVIDE ADDITIONAL DESCRIPTION OF AREAS WHERE ABATEMENT OF THESE MATERIALS IS REQUIRED.
5. IDENTIFIED MATERIALS WITH TRACE ASBESTOS (I.E., LESS THAN 1% ASBESTOS BY WEIGHT) DO NOT REQUIRE ABATEMENT PER 12 NYCRR PART 56 REQUIREMENTS, BUT MUST BE MANAGED PURSUANT TO OSHA 29 CFR 1926.1101. PERFORM WORK ACTIVITIES AFFECTING MATERIALS WITH TRACE ASBESTOS IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF OSHA 29 CFR 1926.1101. REFERENCE TABLE HM-01A OF THIS SHEET FOR A SUMMARY OF IDENTIFIED MATERIALS WITH TRACE ASBESTOS.
6. IF SUSPECT ACM ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, AVOID DISTURBING THESE MATERIALS. INFORM THE DASNY PROJECT MANAGER AND THE OWNER SUCH THAT SAMPLING AND ANALYSIS CAN BE ARRANGED THEN PROCEED AS DIRECTED BY THE DASNY PROJECT MANAGER. IF ACM OR SUSPECT ACM ARE DISTURBED DURING CONSTRUCTION, CEASE ALL OPERATIONS AND IMMEDIATELY NOTIFY THE OWNER OR THEIR DESIGNATED REPRESENTATIVE FOR FURTHER DIRECTION.
7. THE PROVISIONS OF ANY SITE-SPECIFIC VARIANCE OBTAINED BY THE CONTRACTOR MUST BE REVIEWED AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. APPROVAL OF THE OWNER IS REQUIRED PRIOR TO SUBMISSION OF A VARIANCE PETITION TO ANY REGULATORY AGENCY. FAILURE TO OBTAIN OWNER APPROVAL MAY RESULT IN OWNER NOT PERMITTING THE VARIANCE TO BE USED ON THE PROJECT.
8. FOR WORK AREAS WITH THE ABATEMENT OF MULTIPLE ACM, PROVIDE FOR THE ABATEMENT OF THE ACM UTILIZING SEQUENTIAL ABATEMENT AS DESCRIBED IN 12 NYCRR PART 56-8.6.
9. PROPERLY PACKAGE ALL ACM WASTE PRIOR TO BEING REMOVED FROM THE WORK AREA(S), AND APPLY ASBESTOS WARNING LABELS TO THE ASBESTOS WASTE BAGS. ALL ASBESTOS WASTE MATERIALS THAT ARE REMOVED FROM THE SITE MUST BE ACCOMPANIED BY A DASNY ASBESTOS WASTE SHIPMENT RECORD/MANIFEST, TO BE VERIFIED AND SIGNED BY THE ENVIRONMENTAL CONSULTANT. THE COMPLETED WASTE SHIPMENT RECORD MUST BE PROVIDED TO THE ENVIRONMENTAL CONSULTANT WITHIN 14 CALENDAR DAYS OF WASTE SHIPMENT LEAVING THE SITE. ALL ORIGINAL COMPLETED WASTE SHIPMENT RECORDS MUST BE INCLUDED WITH THE CLOSEOUT SUBMISSION.

GENERAL PCB-CONTAINING CAULK ABATEMENT NOTES:

1. REFERENCE SECTION 028400 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO THE ABATEMENT OF PCB-CONTAINING CAULK.
2. REFERENCE TABLE HM-02 OF THIS SHEET FOR A SUMMARY OF IDENTIFIED MATERIALS WITH PCB GREATER THAN 50 PPM. THESE MATERIALS ARE CLASSIFIED AS HAZARDOUS WASTE, AND WILL REQUIRE REMOVAL, HANDLING, STORAGE AND DISPOSAL AS HAZARDOUS WASTE. ABATEMENT PLAN DRAWINGS PROVIDE ADDITIONAL DESCRIPTION OF AREAS WHERE ABATEMENT OF THESE MATERIALS IS REQUIRED.
3. COORDINATE WITH THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE TO DETERMINE HAZARDOUS WASTE GENERATOR STATUS AND IF AN EPA GENERATOR ID NUMBER EXISTS FOR THE SITE. IF AN EPA GENERATOR ID NUMBER EXISTS, TRACK ALL HAZARDOUS WASTE UNDER THIS NUMBER, ALONG WITH THE APPROPRIATE EPA ID NUMBERS FOR THE TRANSPORTER AND DISPOSAL FACILITY. IF AN EPA GENERATOR ID NUMBER DOES NOT EXIST, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF QUANTITIES OF HAZARDOUS WASTE TO BE GENERATED DURING THE PCB ABATEMENT WORK WILL EXCEED THE THRESHOLD FOR CLASSIFICATION AS VERY SMALL QUANTITY GENERATOR AND CONSEQUENTLY REQUIRE THAT AN EPA GENERATOR ID NUMBER BE OBTAINED FOR THE SITE.
4. PROPERLY PACKAGE, STORE, AND TRANSPORT ALL PCB-CONTAINING HAZARDOUS WASTE. ALL HAZARDOUS WASTE MATERIALS THAT ARE REMOVED FROM THE SITE MUST BE ACCOMPANIED BY A NEW YORK STATE UNIFORM HAZARDOUS WASTE MANIFEST, TO BE VERIFIED BY THE ENVIRONMENTAL CONSULTANT AND SIGNED BY THE OWNER'S REPRESENTATIVE AS THE GENERATOR.

GENERAL MOLD REMEDIATION AND AWARENESS NOTES:

1. REFERENCE SECTION 028500 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO MOLD REMEDIATION.
2. MOLD-IMPACTED MATERIALS ARE PRESENT IN THE AREAS OF WORK AND WILL REQUIRE REMEDIATION DURING THE PROJECT. REFERENCE TABLE HM-03 OF THIS SHEET FOR A SUMMARY OF THE IDENTIFIED MOLD-IMPACTED AREAS. IF SUSPECT MOLD GROWTH IS DISCOVERED IN OTHER AREAS, IMMEDIATELY NOTIFY THE OWNER OR THEIR DESIGNATED REPRESENTATIVE FOR FURTHER DIRECTION.
3. ALL CONTRACTORS AND SUBCONTRACTORS SHALL NOTIFY DASNY AND THE OWNER IMMEDIATELY IF ADDITIONAL SUSPECT MOLD GROWTH IS DISCOVERED ON SURFACES TO BE IMPACTED DURING THE PROJECT. NO DISTURBANCE TO THESE SURFACES SHALL OCCUR UNTIL DASNY ADDRESSES THE SITUATION AND DETERMINES THE PROPER COURSE OF ACTION TO TAKE.

GENERAL LEAD AWARENESS NOTES:

1. TESTING OF PAINTED SURFACES FOR LEAD WAS NOT PERFORMED SPECIFIC TO THIS PROJECT. ASSUME PAINTED SURFACES CONTAIN LEAD, UNLESS DATA IS AVAILABLE TO INDICATE OTHERWISE. WORK ACTIVITIES DISTURBING PAINTED SURFACES CONTAINING LEAD (OR ASSUMED TO CONTAIN LEAD) ARE SUBJECT TO OSHA LEAD IN CONSTRUCTION STANDARD (29 CFR 1926.62) REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR TAKING APPROPRIATE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT.
2. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE CHARACTERIZATION, TRANSPORT, AND DISPOSAL OF WASTE MATERIALS THAT MAY CONTAIN LEAD.

GENERAL NOTES FOR UNIVERSAL WASTE AND OTHER MISCELLANEOUS POTENTIAL HAZARDOUS MATERIALS-CONTAINING ITEMS:

1. REFERENCE THE PRE-RENOVATION HAZARDOUS MATERIALS SURVEY REPORT PREPARED FOR THIS PROJECT FOR A DESCRIPTION OF IDENTIFIED UNIVERSAL WASTE ITEMS OR OTHER POTENTIAL HAZARDOUS MATERIALS-CONTAINING ITEMS.
2. REFERENCE SECTION 028700 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO REMOVAL AND DISPOSAL OF UNIVERSAL WASTE AND FLUORESCENT LAMPS.
3. MATERIALS OR ITEMS THAT ARE KNOWN OR SUSPECTED TO CONTAIN HAZARDOUS MATERIALS MUST BE MANAGED AND/OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL RULES AND REGULATIONS.

LIST OF ABBREVIATIONS:

ACM	ASBESTOS-CONTAINING MATERIALS
CFR	CODE OF FEDERAL REGULATIONS
DASNY	DORMITORY AUTHORITY OF THE STATE OF NEW YORK
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NYCRR	NEW YORK CODES, RULES AND REGULATIONS
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PCB	POLYCHLORINATED BIPHENYLS
PPM	PARTS PER MILLION
TSI	THERMAL SYSTEM INSULATION

TABLE HM-01: ACM ABATEMENT SCHEDULE

KEYED NOTE ID	ACM	LOCATION	ESTIMATED QUANTITY	SPECIAL CONDITIONS
01-A	GRAY WITH WHITE 9- BY 9-INCH STREAKED FLOOR TILE AND ASSOCIATED BLACK MASTIC	CORRIDOR FLOOR AREAS ADJACENT TO BATHROOM WALLS AND DOOR FRAMES SCHEDULED FOR DEMOLITION (ROOM NOS. 46-APT-SW, HAL-2NE, HAL-2NW, HAL-2SE, HAL-2SW, HAL-3NE, HAL-3NW, HAL-3SE, HAL-3SW, HAL-4NE, HAL-4NW, HAL-4SE, HAL-4SW, HAL-5NE, HAL-5NW, HAL-5SE, HAL-5SW, HAL-6NE, HAL-6NW, HAL-6SE, HAL-6SW, HAL-7NE, HAL-7NW, HAL-7SE, HAL-7SW, HAL-8NE, HAL-8NW, HAL-8SE, HAL-8SW, HAL-9NE, HAL-9NW, HAL-9SE, AND HAL-9SW)	2,020 SQUARE FEET	REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREAS SHOWN. FOR FLOORING MATERIALS TO BE ASSOCIATED WITH WALL DEMOLITION, REMOVE TWO ROWS OF FLOOR TILE AND ASSOCIATED MASTIC TO ALLOW WALL DEMOLITION. PROVIDE NECESSARY DEMOLITION UNDER ASBESTOS ABATEMENT CONTAINMENT TO ENSURE AND VERIFY THAT THE FLOORING ACM IS REMOVED COMPLETELY.
02-A1	WHITE CEMENTITIOUS CEILING/WALL BOARD	ROOM NO. ELE-B	20 SQUARE FEET	COORDINATE WITH 'A' DRAWINGS TO VERIFY EXTENTS OF SCHEDULED WALL/CEILING REMOVALS AND REQUIRED ABATEMENT FOR THE ASBESTOS-CONTAINING WHITE CEMENTITIOUS CEILING/WALL BOARD.
02-A2	WHITE CEMENTITIOUS CEILING/WALL BOARD	ROOM NOS. HAL-2NE, HAL-2NW, HAL-2SE, HAL-2SW, TEL-2NC, TEL-2SC, HAL-3NE, HAL-3NW, HAL-3SE, HAL-3SW, TEL-3NC, TEL-3SC, HAL-4NE, HAL-4NW, HAL-4SE, HAL-4SW, TEL-4NC, TEL-4SC, HAL-5NE, HAL-5NW, HAL-5SE, HAL-5SW, TEL-5NC, TEL-5SC, HAL-6NE, HAL-6NW, HAL-6SE, HAL-6SW, TEL-6NC, TEL-6SC, HAL-7NE, HAL-7NW, HAL-7SE, HAL-7SW, TEL-7NC, TEL-7SC, HAL-8NE, HAL-8NW, HAL-8SE, HAL-8SW, TEL-8NC, TEL-8SC, HAL-9NE, HAL-9NW, HAL-9SE, HAL-9SW, TEL-9NC, AND TEL-9SC	300 SQUARE FEET	
03-A1	GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET	ROOM NOS. RPM-1, RPW-1, BAT-2N, BAT-2S, STO-2N, BAT-3N, BAT-3S, STO-3N, BAT-4N, BAT-4S, STO-4N, BAT-5N, BAT-5S, STO-5N, BAT-6N, BAT-6S, BAT-7N, BAT-7S, STO-7N, BAT-8N, BAT-8S, STO-8N, BAT-9N, AND BAT-9S, LUG-9S, STO-9N, TR1-9S, LOU-1, AND KIT-B	900 LINEAR FEET	CEILINGS, WET WALLS, AND CHASE WALLS ARE NON-ACM WITH TSI ACM LOCATED ABOVE OR BEHIND. PERFORM DEMOLITION OF CEILINGS, WET WALLS, AND CHASE WALLS UNDER ASBESTOS ABATEMENT CONTAINMENT AND PERFORM REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING TSI AND ASSOCIATED DEBRIS THROUGHOUT THE CEILING AND WALL AREAS. FOR CHASES THAT EXTEND THROUGH MULTIPLE FLOORS, CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING APPROPRIATE ACCESS FOR WORK AREA SETUP AND ABATEMENT. DEMOLITION DEBRIS THAT IS GENERATED PRIOR TO DISTURBANCE OF THE ACM (PROVIDED NO ACM DEBRIS IS PRESENT) CAN BE REMOVED AND DISPOSED OF AS NON-ACM WASTE.
03-A2	GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET	ROOM NOS. JSR-BNE, MCR-BC, AND RCY-B	50 LINEAR FEET	COORDINATE WITH 'MD' AND 'PD' DRAWINGS TO DETERMINE EXTENTS OF REQUIRED ABATEMENT FOR PIPE TSI FITTINGS. FOR LOCATIONS WHERE THE PIPE TSI FITTING ACM IS TO REMAIN IN THE AREAS OF SCHEDULED WORK, VERIFY SUBSEQUENT WORK ACTIVITIES WILL NOT DIRECTLY IMPACT THE FITTINGS AND PROVIDE APPROPRIATE MEANS OF IDENTIFICATION AND PROTECTION OF THE ACM.
04-A	ADHESIVE ASSOCIATED WITH HVAC DUCT INSULATION	ROOM NO. STO-9N	60 SQUARE FEET	COORDINATE WITH 'MD' DRAWINGS TO VERIFY LOCATIONS OF DUCT REMOVALS.
05-A	GRAY AND GOLD DUCT SEALANTS	ROOM NOS. MCR-BN, RCY-B, RPW-1, BAT-6N, BAT6S, BAT-8N, AND BAT-8S	28 SQUARE FEET	COORDINATE WITH 'MD' DRAWINGS TO VERIFY LOCATIONS OF DUCT REMOVALS.
06-A	WHITE VIBRATION DAMPENING CLOTH	ROOM NO. MCR-BN	2 SQUARE FEET	COORDINATE WITH 'MD' DRAWINGS TO VERIFY LOCATIONS OF DUCT REMOVALS.
07-A	GASKETS ASSOCIATED WITH PUMPS	ROOM NOS. MCR-BN	15 SQUARE FEET	COORDINATE WITH 'MD' DRAWINGS TO VERIFY LOCATIONS OF DUCT REMOVALS.
08-A	GRAY WITH WHITE 9- BY 9-INCH STREAKED FLOOR TILE AND ASSOCIATED BLACK MASTIC	ROOM NOS. TEL-2SC, TEL-2NC, TEL-3SC, TEL-3NC, TEL-4SC, TEL-4NC, TEL-5SC, TEL-5NC, TEL-6SC, TEL-6NC, TEL-7SC, TEL-3NC, TEL-8SC, AND TEL-8NC	144 SQUARE FEET	REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREA SHOWN. REMOVE THE ACM TO THE DOOR THRESHOLD.
09-A	WHITE 1- BY 1-FOOT PITTED CEILING TILE	ROOM NO. LOU-1 AND FIRST FLOOR APARTMENT CORRIDOR	875 SQUARE FEET	REMOVE AND DISPOSE OF ASBESTOS-CONTAINING CEILING TILE IN AREA AS SHOWN. COORDINATE WITH "MD", "A", AND "FPD" DRAWINGS TO DETERMINE EXTENTS.
10-A	DOOR INSULATION (ASSUMED)	ROOM NOS. RPM-1, RPW-1, LUG-2S, TR1-2S, BAT-2S, STO-2N, LUG-3S, TR1-3S, BAT-3S, STO-3N, BAT-3N, LUG-4S, TR1-4S, BAT-4S, STO-4N, BAT-4N, LUG-5S, TR1-5S, BAT-5S, STO-5N, BAT-5N, LUG-6S, TR1-6S, BAT-6S, STO-6N, BAT-6N, LUG-7S, TR1-7S, BAT-7S, STO-7N, BAT-7N, LUG-8S, TR1-8S, BAT-8S, STO-8N, BAT-8N, LUG-9S, TR1-9S, BAT-9S, STO-9N, AND BAT-9N	2,880 SQUARE FEET	
11-A	WHITE BRAIDED ELECTRICAL WIRE JACKET	ROOM NO. MCR-BC	4 SQUARE FEET	

TABLE HM-01A: IDENTIFIED MATERIALS WITH TRACE ASBESTOS

DESCRIPTION OF MATERIAL	LOCATION
GRAY CEILING PLASTER BASE COAT	ROOM NOS. JSR-BNE, RPM-1, RPW-1, HAL-2NE, HAL-2NW, HAL-2SE, HAL-2SW, LUG-2S, STO-2N, TR1-2S, HAL-3NE, HAL-3NW, HAL-3SE, HAL-3SW, LUG-3S, STO-3N, TR1-3S, HAL-4NE, HAL-4NW, HAL-4SE, HAL-4SW, LUG-4S, STO-4N, TR1-4S, HAL-5NE, HAL-5NW, HAL-5SE, HAL-5SW, LUG-5S, STO-5N, TR1-5S, HAL-6NE, HAL-6NW, HAL-6SE, HAL-6SW, LUG-6S, STO-6N, TR1-6S, HAL-7NE, HAL-7NW, HAL-7SE, HAL-7SW, LUG-7S, STO-7N, TR1-7S, HAL-8NE, HAL-8NW, HAL-8SE, HAL-8SW, LUG-8S, STO-8N, TR1-8S, HAL-9NE, HAL-9NW, HAL-9SE, HAL-9SW, LUG-9S, STO-9N, AND TR1-9S

TABLE HM-02: PCB-CONTAINING CAULK REMEDIATION SCHEDULE (CAULK MATERIALS WITH TOTAL PCB GREATER THAN OR EQUAL TO 50 PPM)

KEYED NOTE ID	DESCRIPTION OF MATERIAL	LOCATION	ANALYTICAL RESULT FOR SAMPLE PREVIOUSLY COLLECTED (TOTAL PCB – PPM)
01-P	TAN BRICK/STONE INTERFACE CAULK	EXTERIOR	2,142
02-P	LIGHT RED MARBLE/COLUMN INTERFACE CAULK	EXTERIOR – EAST AND WEST SIDES	434

TABLE HM-03: MOLD REMEDIATION SCHEDULE

KEYED NOTE ID	LOCATION	PRIMARY AFFECTED MATERIALS/COMPONENTS	APPROXIMATE SIZE OF EXPOSED AFFECTED AREA	REMEDIATION METHOD	CLEARANCE CRITERIA
01-M	ROOM NO. KIT-B	WOODEN CABINET	1 SQUARE FOOT	PER SPECIFICATION 028500	VISUAL CLEARANCE FOR REMOVED MATERIALS AND CLEANED SURFACES (SAMPLING AND ANALYSIS TO BE PROVIDED AT OWNER OPTION)
	ROOM NO. JAB-B	FIBERGLASS PIPE INSULATION	15 SQUARE FEET	PER SPECIFICATION 028500	VISUAL CLEARANCE FOR REMOVED MATERIALS AND CLEANED SURFACES (SAMPLING AND ANALYSIS TO BE PROVIDED AT OWNER OPTION)
	ROOM NO. JSR-BNE	FIBERGLASS PIPE INSULATION	2 SQUARE FEET	PER SPECIFICATION 028500	VISUAL CLEARANCE FOR REMOVED MATERIALS AND CLEANED SURFACES (SAMPLING AND ANALYSIS TO BE PROVIDED AT OWNER OPTION)
	ROOM NO. MCR-BN	FIBERGLASS PIPE INSULATION	110 SQUARE FEET	PER SPECIFICATION 028500	VISUAL CLEARANCE FOR REMOVED MATERIALS AND CLEANED SURFACES (SAMPLING AND ANALYSIS TO BE PROVIDED AT OWNER OPTION)
	ROOM NO. FCC-1	A/C VENT	2 SQUARE FEET	PER SPECIFICATION 028500	VISUAL CLEARANCE FOR REMOVED MATERIALS AND CLEANED SURFACES (SAMPLING AND ANALYSIS TO BE PROVIDED AT OWNER OPTION)
	ROOM NO. 46-APT-SW	WOODEN CABINET	2 SQUARE FEET	PER SPECIFICATION 028500	VISUAL CLEARANCE FOR REMOVED MATERIALS AND CLEANED SURFACES (SAMPLING AND ANALYSIS TO BE PROVIDED AT OWNER OPTION)

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

WBE Certified Company

Project Key

REVISIONS

Rev No	Description	Date
1	60% SUBMISSION	08/20/2018

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

ABATEMENT NOTES AND SCHEDULES

Phase

100% SUBMISSION

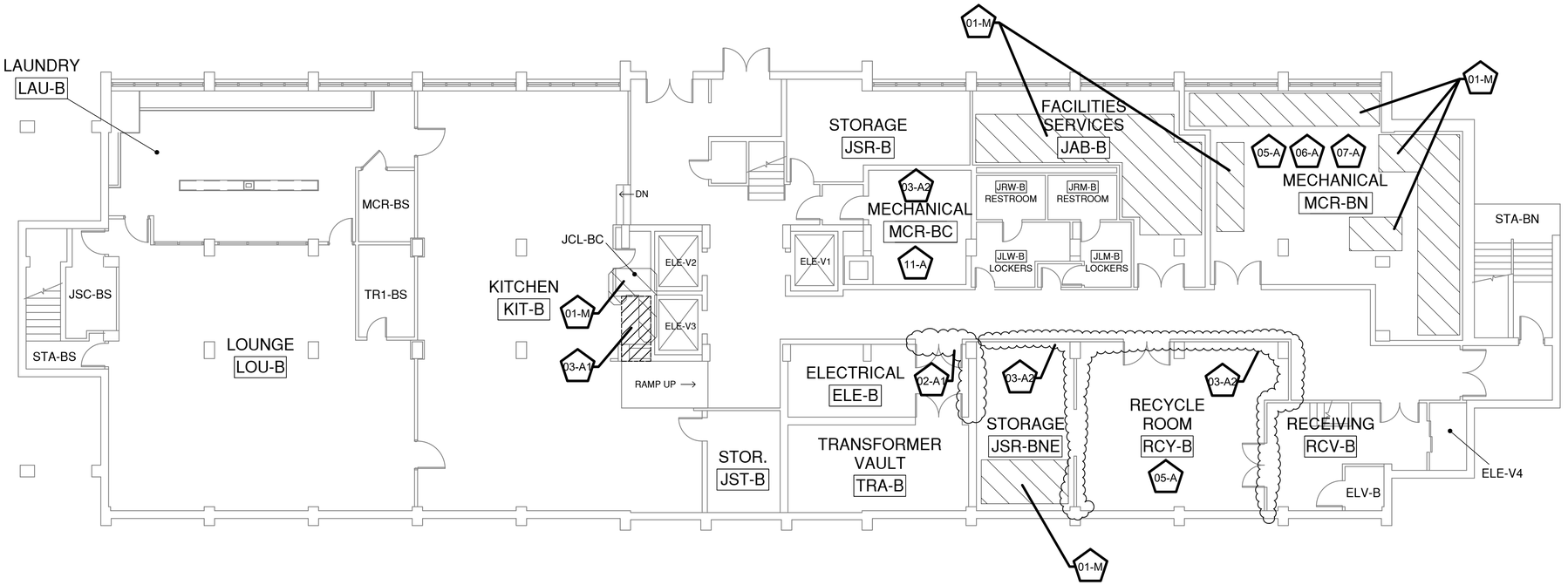
Drawn By:	*Checked By:*	*Date:*
JDF	CJD	12/14/2018

Seal & Signature

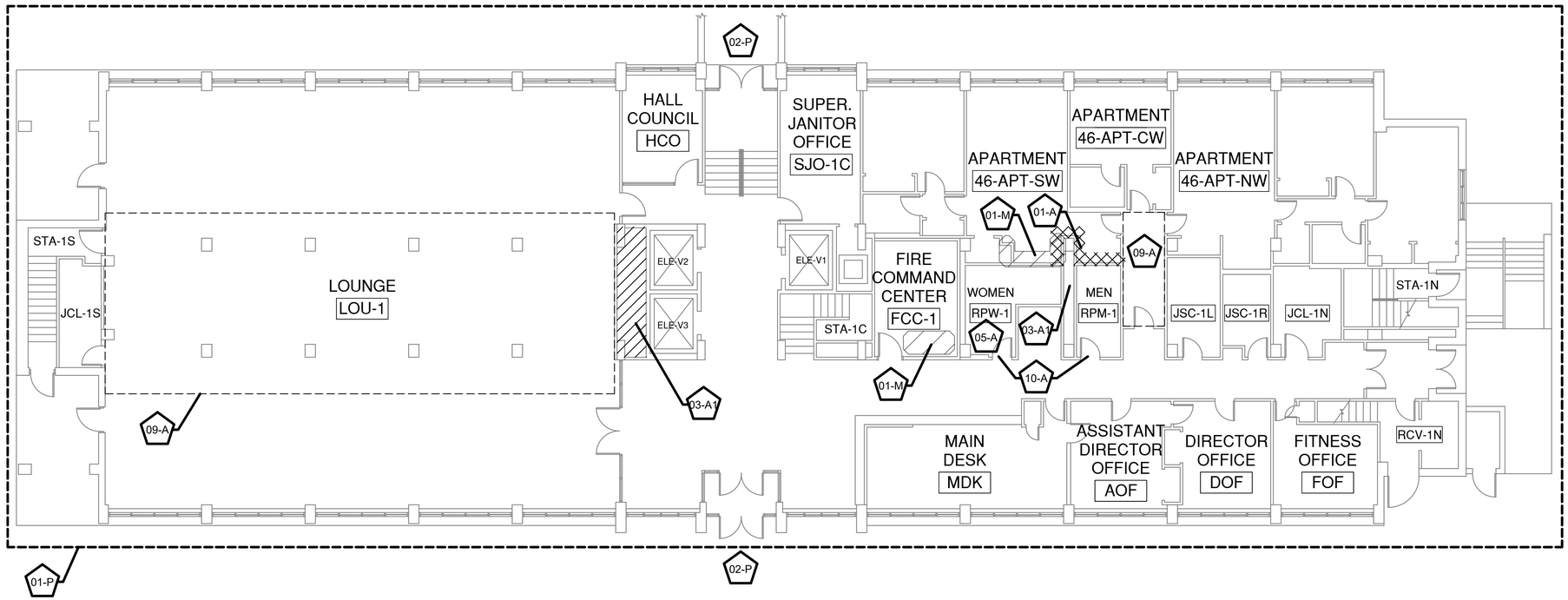
DASNY Project No: 319010-CR12

Drawing Number HM001

Drawing 6 *of* 129



1 HM101 BASEMENT ABATEMENT PLAN
Scale: 1/8" = 1'-0"



2 HM101 FIRST FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"

ABATEMENT GENERAL NOTES:

REFERENCE ABATEMENT NOTES AND SCHEDULES ON SHEET HM001 FOR ADDITIONAL DETAILS AND DESCRIPTION PERTAINING TO THE ABATEMENT WORK.

ABATEMENT KEY NOTES:

01-A — REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREAS SHOWN. FOR FLOORING MATERIALS TO BE ASSOCIATED WITH WALL DEMOLITION, REMOVE TWO ROWS OF FLOOR TILE AND ASSOCIATED MASTIC TO ALLOW WALL DEMOLITION, PROVIDE NECESSARY DEMOLITION UNDER ASBESTOS ABATEMENT CONTAINMENT TO ENSURE AND VERIFY THAT THE FLOORING ACM IS REMOVED COMPLETELY.

02-A1 — COORDINATE WITH 'A' DRAWINGS TO VERIFY THE EXTENTS OF SCHEDULED WALL/CEILING REMOVALS AND REQUIRED ABATEMENT FOR THE ASBESTOS-CONTAINING WHITE CEMENTITIOUS CEILING/WALL BOARD.

03-A1 — PROVIDE ASBESTOS ABATEMENT CONTAINMENT TO PERFORM DEMOLITION OF NON-ACM CEILINGS, WET WALLS, AND CHASE WALLS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET (AND ANY DEBRIS THAT MAY BE PRESENT) THROUGHOUT THE CEILING, WALL, AND CHASE AREAS.

03-A2 — COORDINATE WITH 'MD' AND 'PD' DRAWINGS TO VERIFY EXTENTS OF SCHEDULED PIPE REMOVALS AND REQUIRED ABATEMENT FOR PIPE TSI FITTINGS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET, TO THE EXTENT NECESSARY TO COMPLETE THE SCHEDULED RENOVATIONS. VERIFY EXTENT OF REQUISITE REMOVAL, PRIOR TO ESTABLISHING WORK AREA. PROVIDE FOR ENCAPSULATION OF ALL EXPOSED ENDS OF TSI TO REMAIN.

05-A — COORDINATE WITH 'MD' DRAWINGS TO VERIFY EXTENTS OF SCHEDULED DUCT REMOVALS AND REQUIRED ABATEMENT FOR DUCT SEALANT. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY AND GOLD DUCT SEALANT, TO THE EXTENT NECESSARY TO COMPLETE THE SCHEDULED RENOVATIONS.

06-A — COORDINATE WITH 'MD' DRAWINGS TO VERIFY EXTENTS OF SCHEDULED DUCT REMOVALS AND REQUIRED ABATEMENT FOR VIBRATION DAMPENING CLOTH. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE VIBRATION DAMPENING CLOTH, TO THE EXTENT NECESSARY TO COMPLETE THE SCHEDULED RENOVATIONS.

07-A — COORDINATE WITH 'MD' DRAWINGS TO VERIFY EXTENTS OF SCHEDULED PUMP REMOVALS AND REQUIRED ABATEMENT FOR GASKETS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GASKETS, TO THE EXTENT NECESSARY TO COMPLETE THE SCHEDULED RENOVATIONS.

09-A — REMOVE AND DISPOSE OF ASBESTOS-CONTAINING CEILING TILE IN AREA AS SHOWN. COORDINATE WITH "MD", "A", AND "FPD" DRAWINGS TO DETERMINE EXTENTS.

10-A — REMOVE FIRE DOORS WITH ASSUMED ASBESTOS-CONTAINING INSULATION AND DISPOSE OF AS ACM.

11-A — REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE BRAIDED ELECTRICAL WIRE JACKET.

01-P — REMOVE PCB-CONTAINING (GREATER THAN 50 PPM) TAN BRICK/STONE INTERFACE CAULK FROM THE BUILDING EXTERIOR, AND MANAGE AND DISPOSE OF AS HAZARDOUS WASTE. REMOVE ALL RESIDUAL CAULK AND REMOVE AND DISPOSE OF ADJACENT COMINGLED MATERIALS AS PCB BULK PRODUCT WASTE, AS APPLICABLE. CLEAN ALL REMAINING ADJACENT SURFACES.

02-P — REMOVE PCB-CONTAINING (GREATER THAN 50 PPM) LIGHT RED MARBLE/COLUMN INTERFACE CAULK FROM THE BUILDING EXTERIOR, AND MANAGE AND DISPOSE OF AS HAZARDOUS WASTE. REMOVE ALL RESIDUAL CAULK AND REMOVE AND DISPOSE OF ADJACENT COMINGLED MATERIALS AS PCB BULK PRODUCT WASTE, AS APPLICABLE. CLEAN ALL REMAINING ADJACENT SURFACES.

01-M — PERFORM MOLD REMEDIATION AS DESCRIBED IN TABLE HM-03 OF SHEET HM-001.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

WBE Certified Company

Project Key

REVISIONS

Rev No	Description	Date:
1	60% SUBMISSION	08/20/2018

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

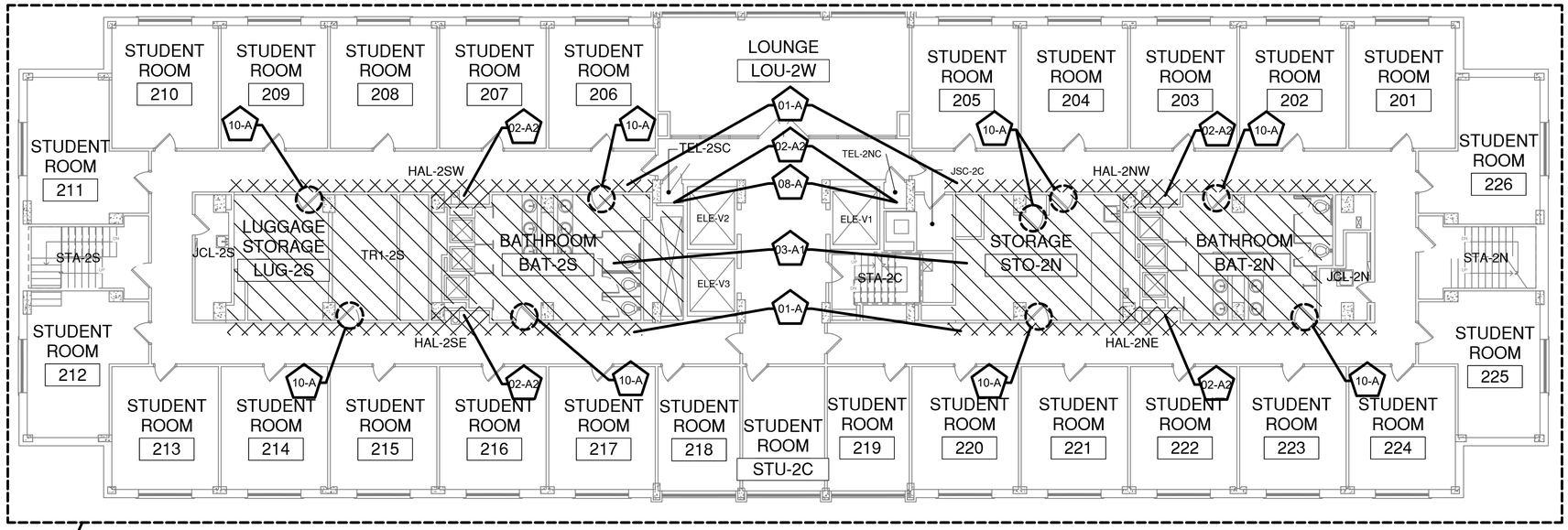
Drawing Title
BASEMENT AND FIRST FLOOR ABATEMENT PLANS

Phase
100% SUBMISSION

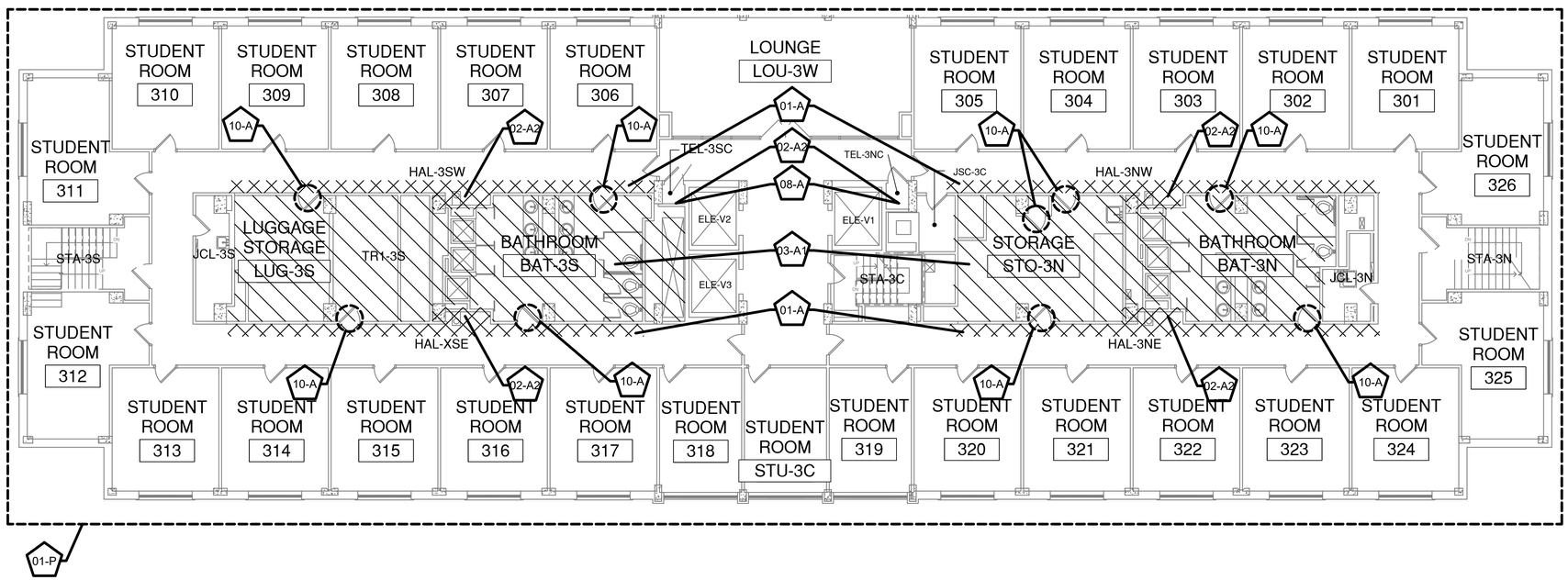
Drawn By:	Checked By:	Date:
JDF	CJD	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12
Drawing Number HM101
Drawing 7 of 129



1 HM102 SECOND FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"



2 HM102 THIRD FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"

ABATEMENT GENERAL NOTES:

REFERENCE ABATEMENT NOTES AND SCHEDULES ON SHEET HM001 FOR ADDITIONAL DETAILS AND DESCRIPTION PERTAINING TO THE ABATEMENT WORK.

ABATEMENT KEY NOTES:

01-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREAS SHOWN. FOR FLOORING MATERIALS TO BE ASSOCIATED WITH WALL DEMOLITION, REMOVE TWO ROWS OF FLOOR TILE AND ASSOCIATED MASTIC TO ALLOW WALL DEMOLITION, PROVIDE NECESSARY DEMOLITION UNDER ASBESTOS ABATEMENT CONTAINMENT TO ENSURE AND VERIFY THAT THE FLOORING ACM IS REMOVED COMPLETELY.

02-A2 REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE CEMENTITIOUS CEILING/WALL BOARD.

03-A1 PROVIDE ASBESTOS ABATEMENT CONTAINMENT TO PERFORM DEMOLITION OF NON-ACM CEILINGS, WET WALLS, AND CHASE WALLS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET (AND ANY DEBRIS THAT MAY BE PRESENT) THROUGHOUT THE CEILING, WALL, AND CHASE AREAS.

08-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREA SHOWN. REMOVE THE ACM TO THE DOOR THRESHOLD.

10-A REMOVE FIRE DOORS WITH ASSUMED ASBESTOS-CONTAINING INSULATION AND DISPOSE OF AS ACM.

01-P REMOVE PCB-CONTAINING (GREATER THAN 50 PPM) TAN BRICK/STONE INTERFACE CAULK FROM THE BUILDING EXTERIOR, AND MANAGE AND DISPOSE OF AS HAZARDOUS WASTE. REMOVE ALL RESIDUAL CAULK AND REMOVE AND DISPOSE OF ADJACENT COMINGLED MATERIALS AS PCB BULK PRODUCT WASTE, AS APPLICABLE. CLEAN ALL REMAINING ADJACENT SURFACES.

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377
WBE Certified Company

Project Key

REVISIONS

Rev No	Description	Date:
1	60% SUBMISSION	08/20/2018

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: SECOND AND THIRD FLOOR ABATEMENT PLANS

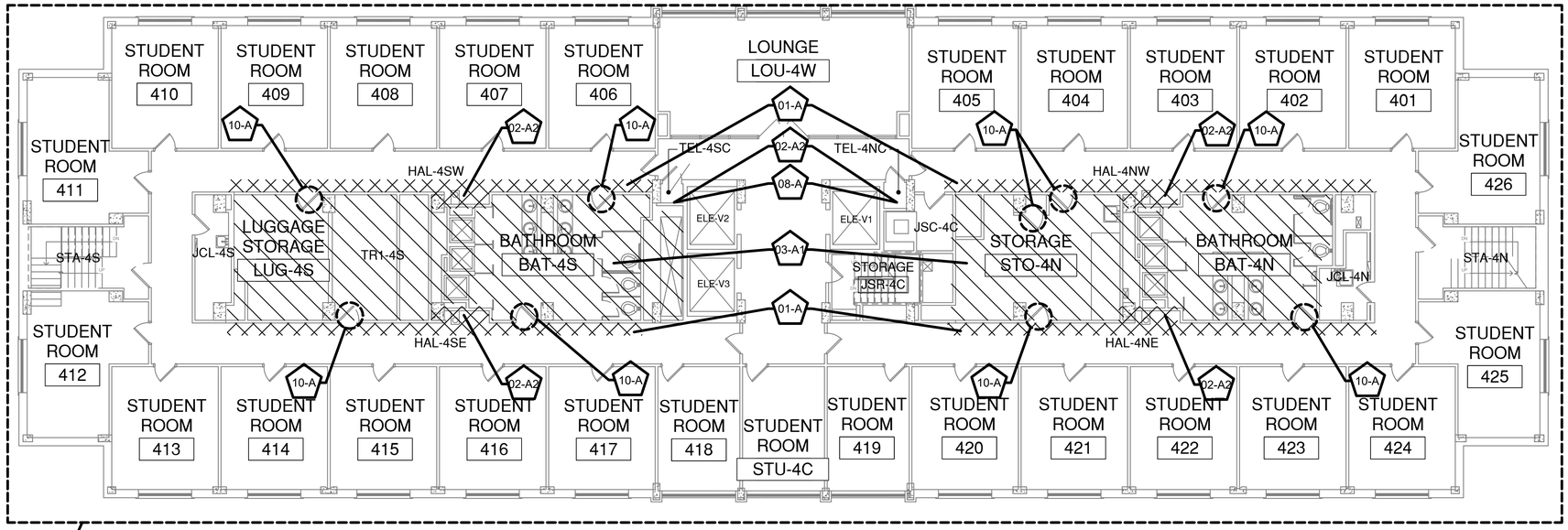
Phase: 100% SUBMISSION

Drawn By: JDF | Checked By: CJD | Date: 12/14/2018

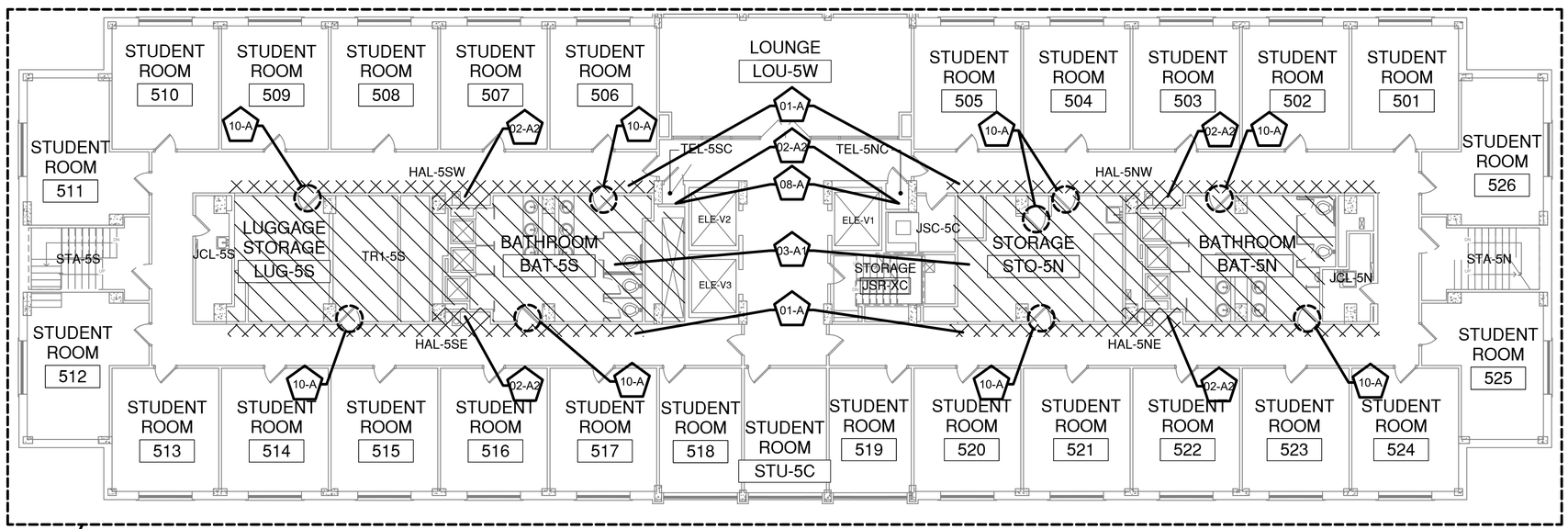
Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number: HM102



1 HM103 FOURTH FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"



2 HM103 FIFTH FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"

ABATEMENT GENERAL NOTES:

REFERENCE ABATEMENT NOTES AND SCHEDULES ON SHEET HM001 FOR ADDITIONAL DETAILS AND DESCRIPTION PERTAINING TO THE ABATEMENT WORK.

ABATEMENT KEY NOTES:

01-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREAS SHOWN. FOR FLOORING MATERIALS TO BE ASSOCIATED WITH WALL DEMOLITION, REMOVE TWO ROWS OF FLOOR TILE AND ASSOCIATED MASTIC TO ALLOW WALL DEMOLITION, PROVIDE NECESSARY DEMOLITION UNDER ASBESTOS ABATEMENT CONTAINMENT TO ENSURE AND VERIFY THAT THE FLOORING ACM IS REMOVED COMPLETELY.

02-A2 REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE CEMENTITIOUS CEILING/WALL BOARD.

03-A1 PROVIDE ASBESTOS ABATEMENT CONTAINMENT TO PERFORM DEMOLITION OF NON-ACM CEILINGS, WET WALLS, AND CHASE WALLS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET (AND ANY DEBRIS THAT MAY BE PRESENT) THROUGHOUT THE CEILING, WALL, AND CHASE AREAS.

08-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREA SHOWN. REMOVE THE ACM TO THE DOOR THRESHOLD.

10-A REMOVE FIRE DOORS WITH ASSUMED ASBESTOS-CONTAINING INSULATION AND DISPOSE OF AS ACM.

01-P REMOVE PCB-CONTAINING (GREATER THAN 50 PPM) TAN BRICK/STONE INTERFACE CAULK FROM THE BUILDING EXTERIOR, AND MANAGE AND DISPOSE OF AS HAZARDOUS WASTE. REMOVE ALL RESIDUAL CAULK AND REMOVE AND DISPOSE OF ADJACENT COMINGLED MATERIALS AS PCB BULK PRODUCT WASTE, AS APPLICABLE. CLEAN ALL REMAINING ADJACENT SURFACES.

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377
WBE Certified Company

Project Key

REVISIONS

Rev No	Description	Date:
1	60% SUBMISSION	08/20/2018

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: FOURTH AND FIFTH FLOOR ABATEMENT PLANS

Phase: 100% SUBMISSION

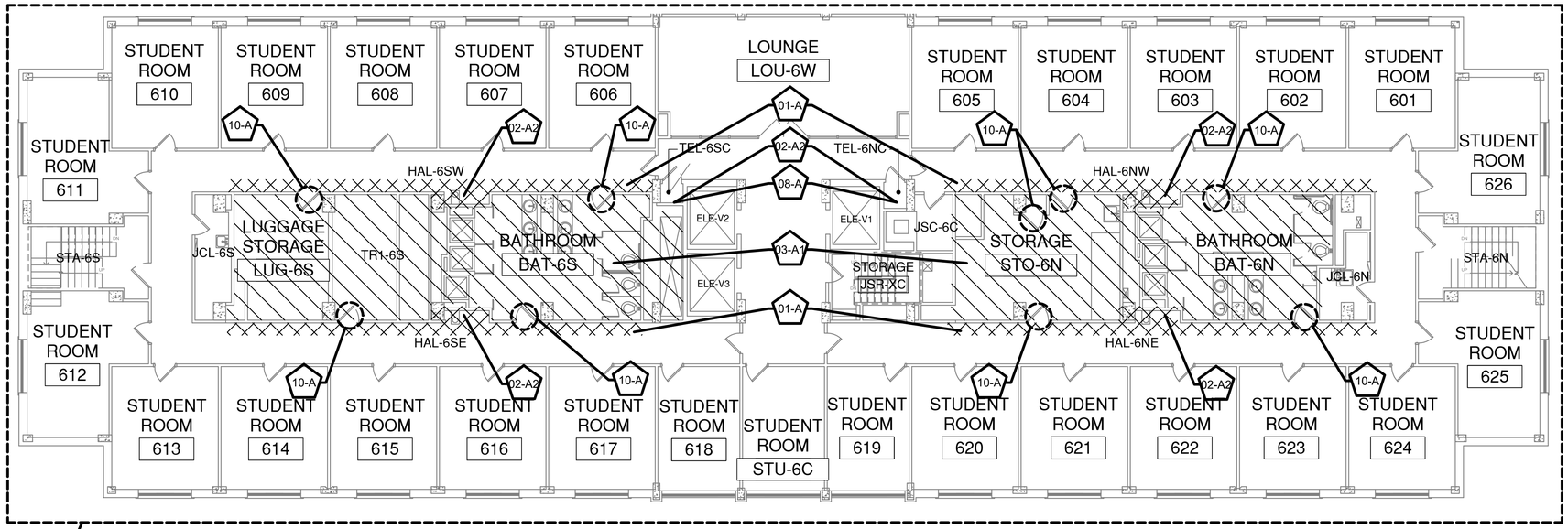
Drawn By: JDF | Checked By: CJD | Date: 12/14/2018

Seal & Signature

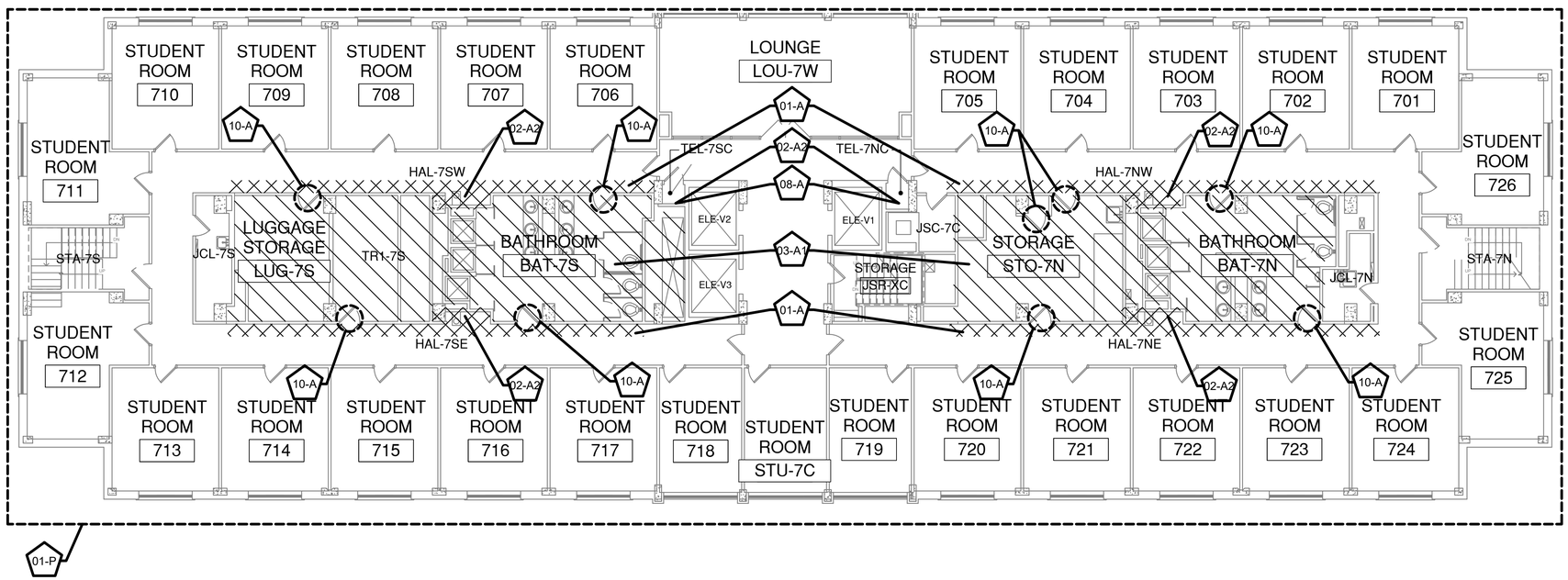
DASNY Project No: 319010-CR12

Drawing Number: HM103

Drawing 9 of 129



1 HM104 SIXTH FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"



2 HM104 SEVENTH FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"

ABATEMENT GENERAL NOTES:

REFERENCE ABATEMENT NOTES AND SCHEDULES ON SHEET HM001 FOR ADDITIONAL DETAILS AND DESCRIPTION PERTAINING TO THE ABATEMENT WORK.

ABATEMENT KEY NOTES:

01-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREAS SHOWN. FOR FLOORING MATERIALS TO BE ASSOCIATED WITH WALL DEMOLITION, REMOVE TWO ROWS OF FLOOR TILE AND ASSOCIATED MASTIC TO ALLOW WALL DEMOLITION, PROVIDE NECESSARY DEMOLITION UNDER ASBESTOS ABATEMENT CONTAINMENT TO ENSURE AND VERIFY THAT THE FLOORING ACM IS REMOVED COMPLETELY.

02-A2 REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE CEMENTITIOUS CEILING/WALL BOARD.

03-A1 PROVIDE ASBESTOS ABATEMENT CONTAINMENT TO PERFORM DEMOLITION OF NON-ACM CEILINGS, WET WALLS, AND CHASE WALLS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET (AND ANY DEBRIS THAT MAY BE PRESENT) THROUGHOUT THE CEILING, WALL, AND CHASE AREAS.

08-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREA SHOWN. REMOVE THE ACM TO THE DOOR THRESHOLD.

10-A REMOVE FIRE DOORS WITH ASSUMED ASBESTOS-CONTAINING INSULATION AND DISPOSE OF AS ACM.

01-P REMOVE PCB-CONTAINING (GREATER THAN 50 PPM) TAN BRICK/STONE INTERFACE CAULK FROM THE BUILDING EXTERIOR, AND MANAGE AND DISPOSE OF AS HAZARDOUS WASTE. REMOVE ALL RESIDUAL CAULK AND REMOVE AND DISPOSE OF ADJACENT COMINGLED MATERIALS AS PCB BULK PRODUCT WASTE, AS APPLICABLE. CLEAN ALL REMAINING ADJACENT SURFACES.

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377
WBE Certified Company

Project Key

REVISIONS

Rev No	Description	Date:
1	60% SUBMISSION	08/20/2018

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: SIXTH AND SEVENTH FLOOR ABATEMENT PLANS

Phase: 100% SUBMISSION

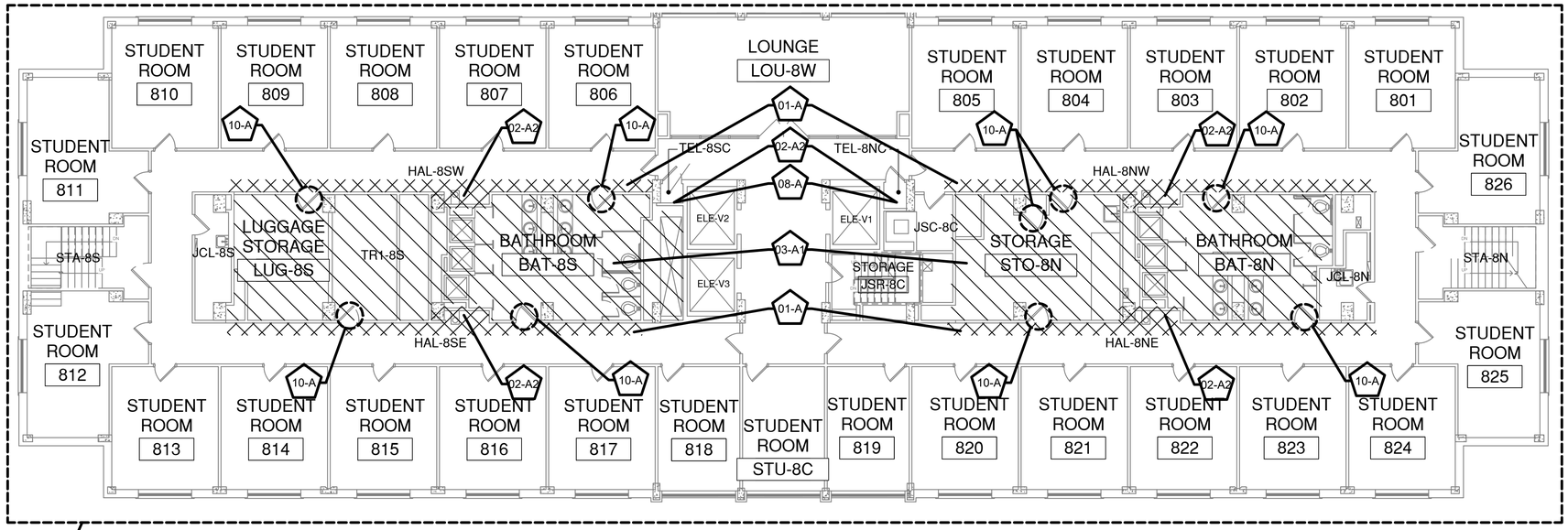
Drawn By:	Checked By:	Date:
JDF	CJD	12/14/2018

Seal & Signature

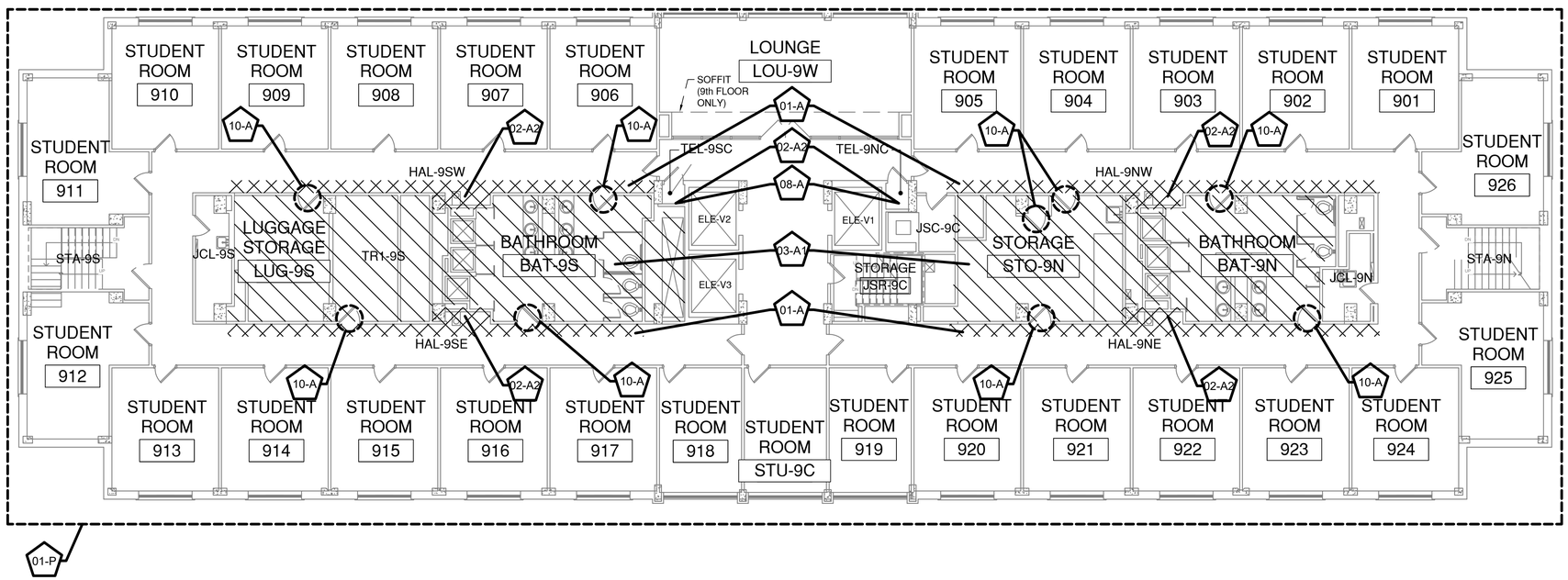
DASNY Project No: 319010-CR12

Drawing Number: HM104

Drawing 10 of 129



1 HM105 EIGHTH FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"



2 HM105 NINTH FLOOR ABATEMENT PLAN
Scale: 1/8" = 1'-0"

ABATEMENT GENERAL NOTES:

REFERENCE ABATEMENT NOTES AND SCHEDULES ON SHEET HM001 FOR ADDITIONAL DETAILS AND DESCRIPTION PERTAINING TO THE ABATEMENT WORK.

ABATEMENT KEY NOTES:

01-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREAS SHOWN. FOR FLOORING MATERIALS TO BE ASSOCIATED WITH WALL DEMOLITION, REMOVE TWO ROWS OF FLOOR TILE AND ASSOCIATED MASTIC TO ALLOW WALL DEMOLITION, PROVIDE NECESSARY DEMOLITION UNDER ASBESTOS ABATEMENT CONTAINMENT TO ENSURE AND VERIFY THAT THE FLOORING ACM IS REMOVED COMPLETELY.

02-A2 REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE CEMENTITIOUS CEILING/WALL BOARD.

03-A1 PROVIDE ASBESTOS ABATEMENT CONTAINMENT TO PERFORM DEMOLITION OF NON-ACM CEILINGS, WET WALLS, AND CHASE WALLS. REMOVE AND DISPOSE OF ASBESTOS-CONTAINING GRAY MUDDED PIPE TSI FITTING AND ASSOCIATED CLOTH JACKET (AND ANY DEBRIS THAT MAY BE PRESENT) THROUGHOUT THE CEILING, WALL, AND CHASE AREAS.

08-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND ASSOCIATED MASTIC THROUGHOUT AREA SHOWN. REMOVE THE ACM TO THE DOOR THRESHOLD.

10-A REMOVE FIRE DOORS WITH ASSUMED ASBESTOS-CONTAINING INSULATION AND DISPOSE OF AS ACM.

01-P REMOVE PCB-CONTAINING (GREATER THAN 50 PPM) TAN BRICK/STONE INTERFACE CAULK FROM THE BUILDING EXTERIOR, AND MANAGE AND DISPOSE OF AS HAZARDOUS WASTE. REMOVE ALL RESIDUAL CAULK AND REMOVE AND DISPOSE OF ADJACENT COMINGLED MATERIALS AS PCB BULK PRODUCT WASTE, AS APPLICABLE. CLEAN ALL REMAINING ADJACENT SURFACES.

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW.DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377
WBE Certified Company

Project Key

REVISIONS

Rev No	Description	Date:
1	60% SUBMISSION	08/20/2018

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: EIGHTH AND NINTH FLOOR ABATEMENT PLANS

Phase: 100% SUBMISSION

Drawn By: JDF | Checked By: CJD | Date: 12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number: HM105

Drawing 11 of 129

DESIGN DATA NOTES

1. GENERAL:

   DESIGN PROVISIONS ..... 2017 NEW YORK STATE UNIFORM CODE (NYSUC)
   INCORPORATING THE 2015 INTERNATIONAL BUILDING CODE (IBC)

   RISK CATEGORY III
   TERRAIN/EXPOSURE CATEGORY C
   BASIC SEISMIC/MAIN WIND FORCE RESISTING SYSTEM:
   NORTH-SOUTH ..... NA
   EAST-WEST ..... NA

2. CODE COMPLIANCE FOR EXISTING STRUCTURES:

   DESIGN PROVISIONS ..... 2017 NEW YORK STATE UNIFORM CODE (NYSUC)
   INCORPORATING THE 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

   COMPLIANCE METHOD (IEBC) ..... WORK AREA

   CLASSIFICATION OF WORK (IEBC) ..... LEVEL 1

   THE FOLLOWING GRAVITY LOAD CARRYING ELEMENTS HAVE BEEN EVALUATED BASED ON THE LIVE LOAD AND DEAD LOAD REQUIREMENTS DESCRIBED BELOW:
   EXISTING ROOF SLAB AND BEAMS AND COLUMNS AROUND THE LOCATION OF ROOF TOP UNITS

   EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS ARE NO LESS CONFORMING TO THE PROVISIONS OF THE 2017 NYSUC WITH RESPECT TO EARTHQUAKE DESIGN THAN THEY WERE PRIOR TO THIS WORK. THE BUILDING IS IN CONFORMANCE WITH THE LAW IN EXISTENCE AT THE TIME THE BUILDING WAS CONSTRUCTED. THEREFORE LATERAL LOADS HAVE NOT BEEN EVALUATED FOR THIS STRUCTURE.

3. LIVE LOADS:

   UNIFORMLY DISTRIBUTED LIVE LOADS:

   ROOF: UNIFORM GROUND SNOW LOAD (P_g) ..... 60 psf
   UNIFORM FLAT-ROOF SNOW LOAD (P_f) ..... 47 psf
   SNOW EXPOSURE FACTOR (C_e) 1.0
   THERMAL FACTOR (C_t) 1.0
   IMPORTANCE FACTOR (I_s) 1.10

   (DRIFTED, UNBALANCED, AND SLOPED-ROOF SLIDING SNOW IN ACCORDANCE WITH AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7-10. SEE 1/S001 FOR LOADING DIAGRAM.

   FLOORS: (RESTROOMS) ..... 40 psf

4. DEAD LOADS:

   ROOF: (INDICATED ON ORIGINAL DRAWINGS) ..... 89 psf
   FLOORS: (INDICATED ON ORIGINAL DRAWINGS) ..... 89 psf

   PORTION OF ABOVE DEAD LOAD CONSIDERED FOR MECHANICAL EQUIPMENT AND PIPING SUSPENDED FROM STRUCTURAL FRAMING:

   ROOF: ..... 5 psf
   FLOORS: (LOCATION) ..... 5 psf

   (CONCENTRATED LOADS SHALL BE LIMITED TO THOSE WHICH INDUCE MOMENTS AND SHEARS IN MEMBERS NOT GREATER THAN THOSE INDUCED BY THE NOTED UNIFORMLY DISTRIBUTED LOADS.)

   SEE PLAN FOR LOCATIONS AND WEIGHTS OF LARGE EQUIPMENT. WEIGHT OF THIS EQUIPMENT IS IN ADDITION TO THE UNIFORM LOADS INDICATED ABOVE. SEE ALSO STRUCTURAL STEEL NOTES.

5. SEISMIC LOADS: N/A

6. WIND LOADS: N/A

10. STRUCTURAL MATERIAL STRENGTHS:

    STRUCTURAL AND MISCELLANEOUS STEEL:

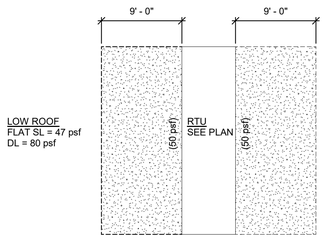
    ROLLED STEEL W SHAPES ..... - ASTM A 992
    ROLLED STEEL PLATES, BARS, AND ANGLES ..... - ASTM A 36 OR ASTM A 572, GRADE 50

    FOR CONNECTIONS, PROVIDE HIGHER GRADE AS REQUIRED FOR CAPACITY.

    CONCRETE:

    SLAB INFILLS ..... f'c = 3,000 psi
    SLUMP ..... 3"-5"
    AIR ENTRAINMENT ..... 4.5% ± 1.5%
    W/C RATIO 0.55

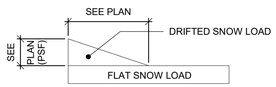
    REINFORCING STEEL FOR CONCRETE AND MASONRY: ..... ASTM A 615, GRADE 60



1 / S001 ROOF SNOW LOADING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. - DENOTES DRIFTED SNOW LOADS IN ADDITION TO FLAT SNOW LOADS SHOWN.

2. 

GENERAL NOTES

1. DESIGNED IN ACCORDANCE WITH THE 2017 NEW YORK STATE UNIFORM CODE (NYSUC).
2. DIMENSIONS TO, OF, AND IN EXISTING STRUCTURE SHALL BE VERIFIED IN FIELD BY CONTRACTOR.
3. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN DIMENSIONS BETWEEN EXISTING CONDITIONS AND/OR ARCHITECTURAL DRAWINGS AND THE STRUCTURAL DRAWINGS.
4. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
5. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
6. THE NOTES ON THIS DRAWING ARE TYPICAL UNLESS OTHERWISE INDICATED.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF PROPOSED DEVIATIONS OR SUBSTITUTIONS FROM DIMENSIONS, MATERIALS, OR EQUIPMENT SHOWN ON THE DRAWINGS AND MAKE ONLY THOSE DEVIATIONS OR SUBSTITUTIONS ACCEPTED BY ENGINEER.
8. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MIGHT OCCUR AS A RESULT OF FAILING TO EXACTLY LOCATE AND PRESERVE EXISTING UTILITIES.
9. LOCATE REINFORCEMENT IN EXISTING STRUCTURAL CONCRETE SLABS AND WALLS USING NON-DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES FOR PIPING AND CONDUIT. DO NOT DRILL INTO AND DAMAGE EXISTING REINFORCEMENT. COORDINATE QUANTITY AND LOCATION OF HOLES WITH PLUMBING AND ELECTRICAL DRAWINGS AND REFER TO THESE DRAWINGS AND SPECIFICATIONS FOR SUPPLEMENTAL SUPPORTS AND SLEEVES. HOLES ARE NOT PERMITTED IN STRUCTURAL CONCRETE BEAMS, JOISTS, AND COLUMNS UNLESS SPECIFICALLY ALLOWED BY ENGINEER.
10. LOCATE REINFORCEMENT IN EXISTING STRUCTURAL CONCRETE SLABS, WALLS, BEAMS, JOINTS, AND COLUMNS USING NON-DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES FOR POST-INSTALLED ANCHORS. DO NOT DRILL INTO AND DAMAGE EXISTING REINFORCEMENT. NOTIFY ENGINEER IF ANCHOR LOCATIONS CONFLICT WITH EXISTING REINFORCEMENT.
11. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY.

STRUCTURAL STEEL NOTES

1. LOCATE ROOFTOP MECHANICAL UNITS AS SHOWN; COORDINATE WITH MECHANICAL DRAWINGS. NOTIFY ENGINEER IF ACTUAL UNIT WEIGHTS EXCEED THE WEIGHTS SHOWN ON DRAWINGS.
2. CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW BY ENGINEER. USE MINIMUM OF FOUR 3/4 INCH-DIAMETER A 325 BOLTS.
3. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
4. WHERE FILLET WELD SIZES ARE NOT SPECIFICALLY NOTED, THE FABRICATOR SHALL DETAIL A MINIMUM SIZE FILLET WELD IN ACCORDANCE WITH AWS STANDARDS. THE ACTUAL SIZES SHALL BE SHOWN ON THE SHOP DRAWINGS.
5. PROVIDE HOT DIP GALVANIZED FASTENERS FOR GALVANIZED FRAMING CONNECTIONS AND STAINLESS STEEL FASTENERS FOR STAINLESS STEEL FRAMING CONNECTIONS.
6. GALVANIZING WHERE NOTED IN THE DRAWINGS SHALL BE HOT-DIP GALVANIZING IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

STRUCTURAL OBSERVATION NOTES

1. THE REGISTERED DESIGN PROFESSIONAL WILL MAKE VISITS TO THE SITE AT APPROPRIATE INTERVALS FOR THE PURPOSE OF OBSERVING THE CONSTRUCTION FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE FOLLOWING LIST INCLUDES SOME APPROPRIATE TIMES FOR VISITING THE SITE. THE CONTRACTOR SHALL NOTIFY THE REGISTERED DESIGN PROFESSIONAL AT LEAST 48 HOURS PRIOR TO PERFORMING THESE ACTIVITIES SO THAT SITE VISITS CAN BE SCHEDULED.
   - COMPLETION OF THE STRUCTURAL SYSTEM.
   - OTHER TIMES AS REQUIRED DUE TO FIELD CONDITIONS OR SPECIAL CONSTRUCTION TYPES.
2. THE REGISTERED DESIGN PROFESSIONAL MAY VISIT THE SITE AT TIMES OTHER THAN THOSE LISTED IN NOTE 1.
3. THE REGISTERED DESIGN PROFESSIONAL WILL PREPARE A FIELD OBSERVATION REPORT FOR EACH SITE VISIT MADE TO OBSERVE CONSTRUCTION. PART II OF EACH REPORT IS FOR CONTRACTOR VERIFICATION AND IS MANDATORY. PART II MUST BE COMPLETED (SIGNED BY THE CONTRACTOR VERIFYING THAT THE REQUIRED ACTION WAS TAKEN AND LISTING THE DATE COMPLETED) AND RETURNED TO THE ENGINEER IN A TIMELY MANNER.
4. STRUCTURAL OBSERVATION REQUIREMENTS NOTED ABOVE PERTAIN TO THE CONSTRUCTION OF THE FOUNDATION SYSTEM ONLY. REQUIREMENTS FOR THE SUPERSTRUCTURE WILL BE PROVIDED BY THE REGISTERED DESIGN PROFESSIONAL FOR THE SUPERSTRUCTURE.
5. STRUCTURAL OBSERVATION REQUIREMENTS FOR THE SEISMIC/WIND-FORCE-RESISTING SYSTEM ARE INDICATED IN THE SCHEDULE OF SPECIAL INSPECTIONS, AND ARE TO BE PERFORMED BY THE SPECIAL INSPECTOR OR A DESIGNATED REGISTERED PROFESSIONAL ENGINEER.

SPECIAL INSPECTION NOTES

1. THE OWNER WILL ENGAGE THE SERVICES OF A QUALIFIED SPECIAL INSPECTOR FOR THIS PROJECT, WHO WILL PROVIDE AND/OR COORDINATE INSPECTION AND TESTING REQUIREMENTS AS NECESSARY IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 17 OF THE BCNYS.
2. THE REGISTERED DESIGN PROFESSIONAL HAS PREPARED A STATEMENT OF SPECIAL INSPECTIONS, WHICH INCLUDES SPECIFICATION 014533, AND THE SCHEDULE OF SPECIAL INSPECTIONS [INCLUDING SPECIAL INSPECTIONS FOR SEISMIC/WIND RESISTANCE]. THESE DOCUMENTS WILL BE SUBMITTED WITH THE CONTRACT DOCUMENTS AND THE APPLICATION FOR BUILDING PERMIT TO THE CODE ENFORCEMENT OFFICIAL.
3. SPECIAL INSPECTIONS AND TESTING SHALL BE CONTINUOUS OR PERIODIC DURING THE PERFORMANCE OF THE WORK, AS NOTED.
4. THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH THE REGISTERED DESIGN PROFESSIONAL, SPECIAL INSPECTOR, TESTING AGENCY, AND AFFECTED SUB-CONTRACTORS TO REVIEW THE REQUIRED SPECIAL INSPECTION AND TESTING REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL DISTRIBUTE CONSTRUCTION SCHEDULES TO EACH ATTENDEE.
5. THE SPECIAL INSPECTOR SHALL SUBMIT INTERIM REPORTS AND, AT THE COMPLETION OF SPECIAL INSPECTIONS, A FINAL STATEMENT OF SPECIAL INSPECTIONS. REPORTS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER.
6. THE SPECIAL INSPECTOR SHALL NOTIFY THE CONTRACTOR IMMEDIATELY OF DISCREPANCIES. SUBSEQUENT REPORTS SHALL NOTE WHEN AND HOW DEFICIENCIES WERE CORRECTED. THE SPECIAL INSPECTOR SHALL NOTIFY THE REGISTERED DESIGN PROFESSIONAL AND THE CODE ENFORCEMENT OFFICIAL OF DISCREPANCIES WHICH HAVE NOT BEEN CORRECTED.
7. THE CONTRACTOR SHALL COOPERATE WITH THE SPECIAL INSPECTOR INCLUDING ADVANCE NOTIFICATION OF REQUIRED INSPECTION OR TEST, INCIDENTAL LABOR, AND SAFE ACCESS TO THE WORK AREAS, AND ACCESS TO CONTRACT DOCUMENTS SO THAT INSPECTIONS AND TESTING MAY BE PERFORMED WITHOUT HINDRANCE.
8. THE SPECIAL INSPECTION PROGRAM SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE OBLIGATION TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR FROM IMPLEMENTING AN EFFECTIVE QUALITY CONTROL PROGRAM.
9. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
10. SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE PERTAIN TO THE CONSTRUCTION OF THE FOUNDATION SYSTEM ONLY. REQUIREMENTS FOR THE SUPERSTRUCTURE WILL BE PROVIDED BY THE REGISTERED DESIGN PROFESSIONAL FOR THE SUPERSTRUCTURE.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

RYAN BIGGS CLARK DAVIS
ENGINEERING & SURVEYING
4592 JORDAN ROAD
SKANEATELES FALLS, NY. 13153
p 315.685.4732 f 315.685.4753
www.ryanbiggs.com

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

GENERAL NOTES

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
KJO	JLD	12/14/2018

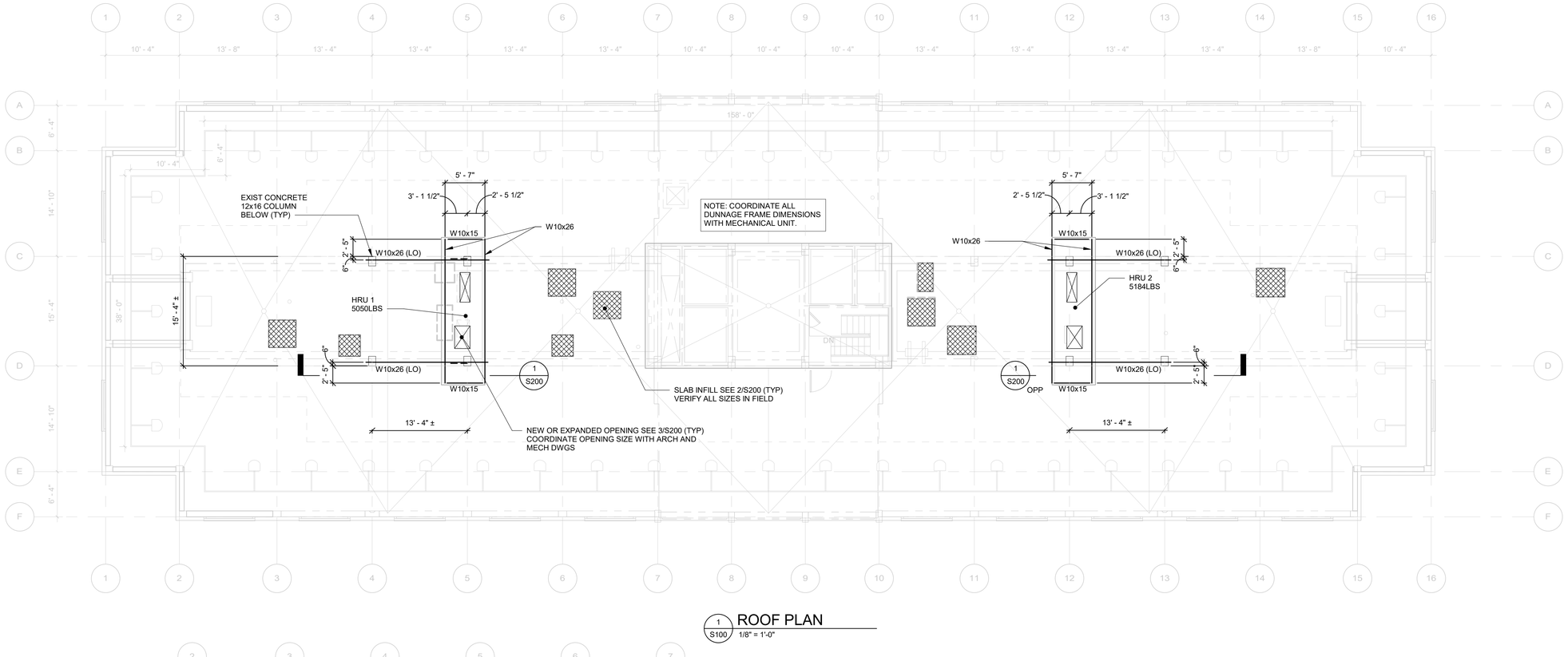
Seal & Signature

PROGRESS PRINT NOT FOR CONSTRUCTION

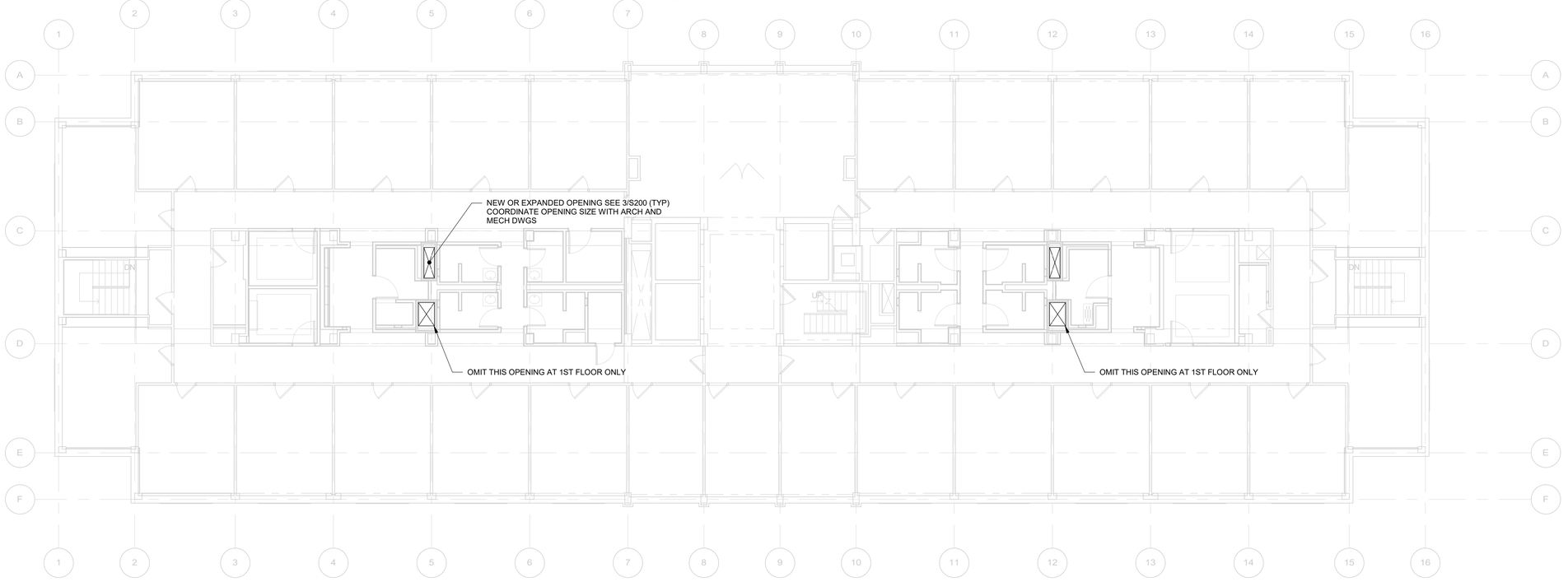
DASNY Project No: 319010-CR12

Drawing Number S001

Drawing 12 of 129



1 S100 ROOF PLAN
1/8" = 1'-0"



2 S100 1ST - 9TH FLOOR
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

RYAN BIGGS CLARK DAVIS
ENGINEERING & SURVEYING
4592 JORDAN ROAD
SKANEATELES FALLS, NY 13153
p 315.685.4732 f 315.685.4753
www.ryanbiggs.com

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLANS

Phase
100% SUBMISSION

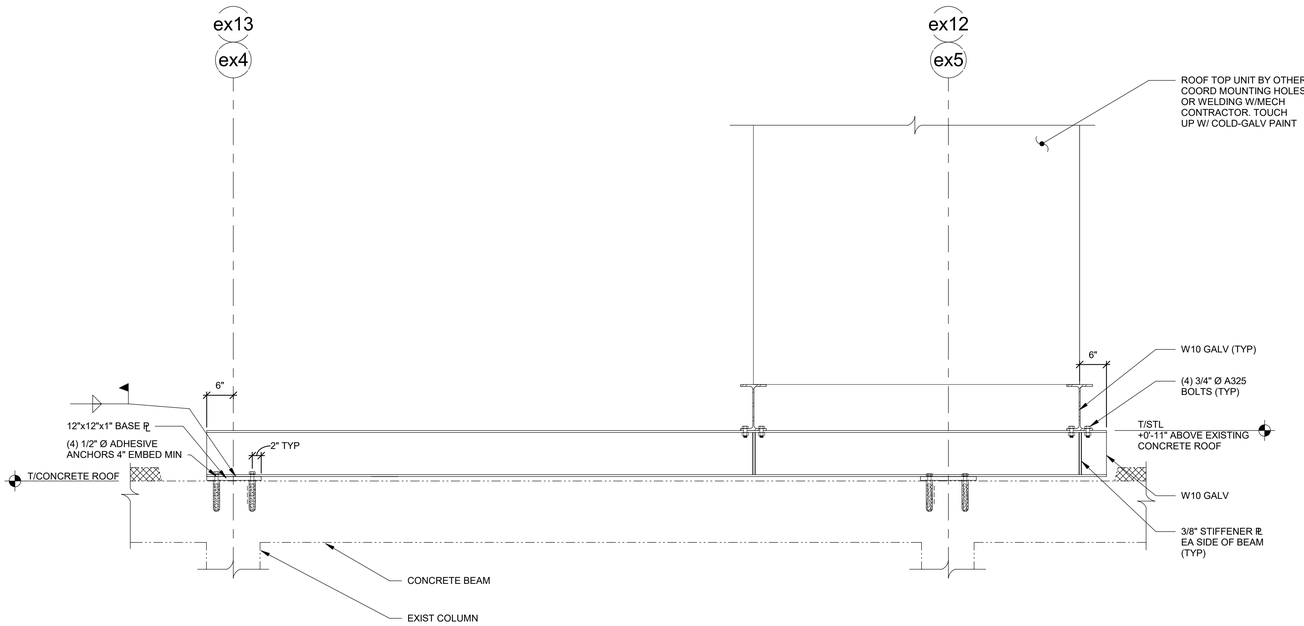
Drawn By:	*Checked By:*	*Date:*
KJO	JLD	12/14/2018

Seal & Signature
PROGRESS PRINT NOT FOR CONSTRUCTION

DASNY Project No:
319010-CR12

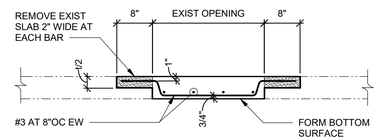
Drawing Number
S100

Drawing
13 of 129



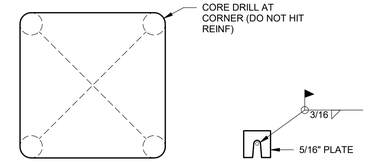
NOTES:
1. HOT-DIP GALVANIZE ALL FRAMING.
2. HOT-DIP GALVANIZE EXPOSED BOLTS.

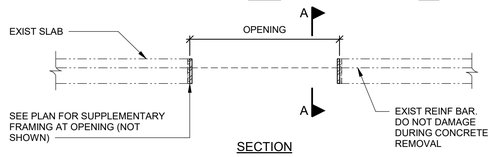
1 / S200 DUNNAGE SECTION
3/4" = 1'-0"



NOTE: 1. USE CAUTION NOT TO CUT OR DAMAGE EXISTING REINFORCEMENT
2. APPLY BONDING AGENT TO EXISTING SURFACES BEFORE PLACING CONCRETE

2 / S200 SLAB INFILL DETAIL
3/4" = 1'-0"





SECTION

STEP 1: LOCATE REINFORCING WITH R-METER AND MARK ON SLAB.
STEP 2: CORE DRILL EACH CORNER (6" MINIMUM DIAMETER).
STEP 3: SAWCUT TO TANGENT OF CORES. DO NOT CUT BARS, AND DO NOT OVER CUT CORNERS
STEP 4: REMOVE CONCRETE AROUND INDIVIDUAL REINFORCING BARS.
STEP 5: WELD 5/16" PLATE TO EXPOSED BARS.
STEP 6: GROUT BEHIND PLATES.
STEP 7: CUT BARS WITHIN PENETRATION.

3 / S200 OPENING IN EXISTING SLAB
3/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

RYAN BIGGS CLARK DAVIS
ENGINEERING & SURVEYING
4592 JORDAN ROAD
SKANEATELES FALLS, NY 13153
p 315.685.4732 f 315.685.4753
www.ryanbiggs.com

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
DETAILS AND SECTIONS

Phase
100% SUBMISSION

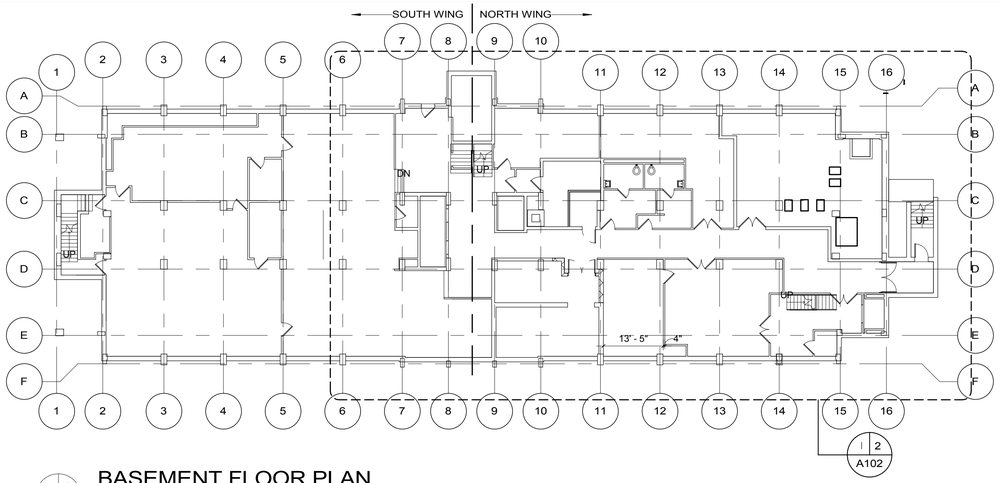
Drawn By:	Checked By:	Date:
KMR	KJO	12/14/2018

Seal & Signature
PROGRESS PRINT NOT FOR CONSTRUCTION

DASNY Project No:
319010-CR12

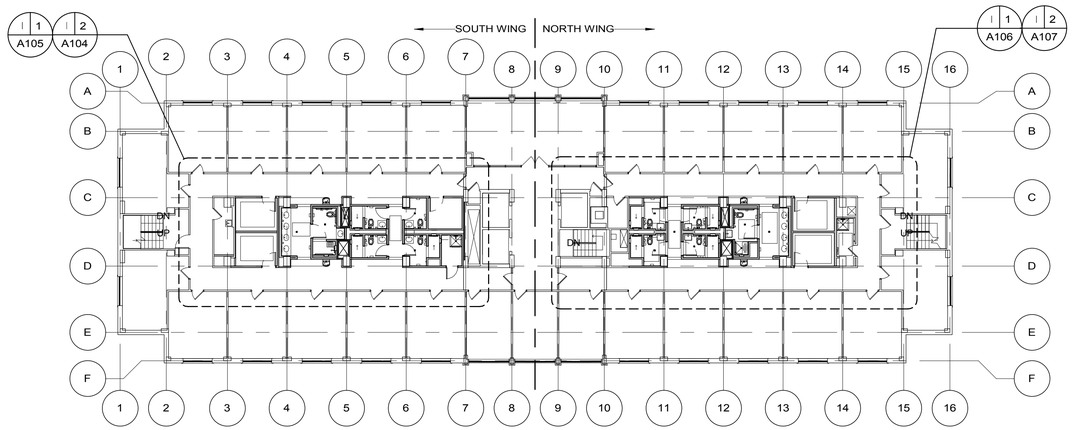
Drawing Number
S200

Drawing
14 of 129



4 BASEMENT FLOOR PLAN

1/16" = 1'-0"



3 3RD FLOOR PLAN

1/16" = 1'-0"

1 1ST FLOOR PLAN

1/16" = 1'-0"

5 4TH FLOOR PLAN

1/16" = 1'-0"

2 2ND FLOOR PLAN

1/16" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client: SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
OVERALL KEY
FLOOR PLANS

Phase
100% SUBMISSION

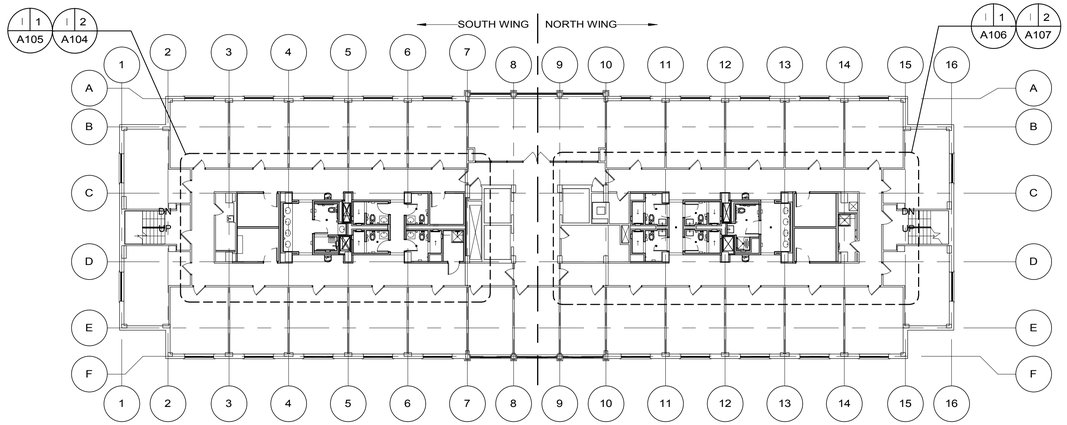
Drawn By:	Checked By:	Date:
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No:
319010-CR12

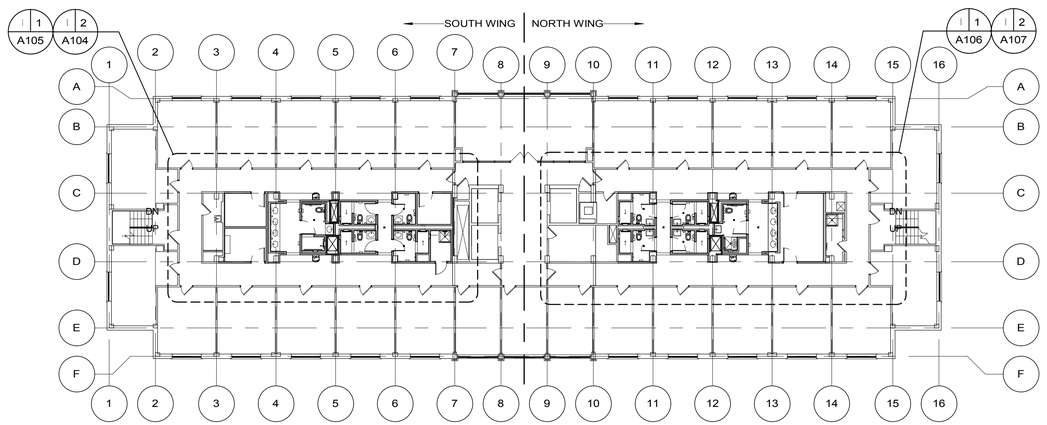
Drawing Number
A100

Drawing 15 of 129



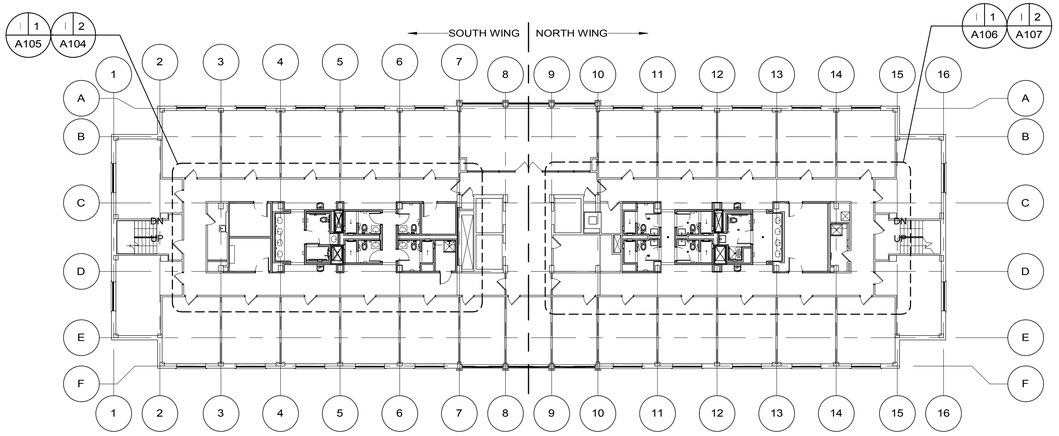
4 5TH FLOOR PLAN

1/16" = 1'-0"



7 8TH FLOOR PLAN

1/16" = 1'-0"

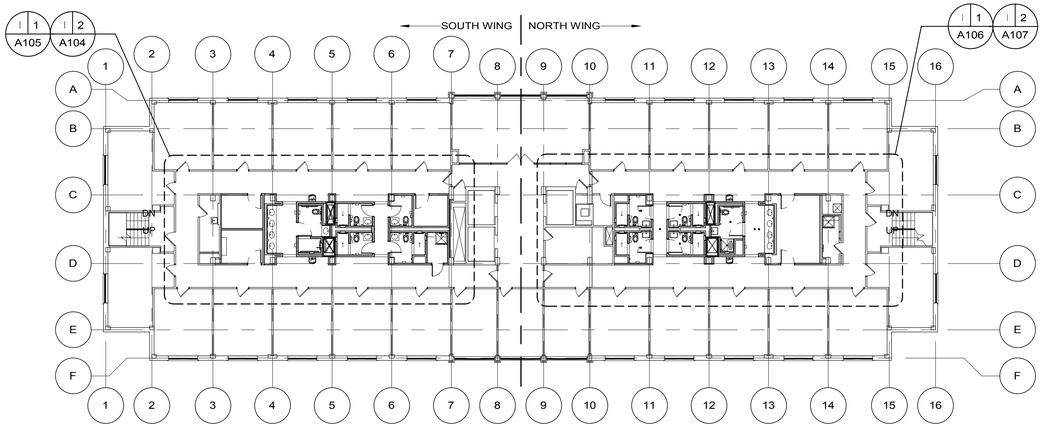


5 6TH FLOOR PLAN

1/16" = 1'-0"

8 9TH FLOOR PLAN

1/16" = 1'-0"



6 7TH FLOOR PLAN

1/16" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

OVERALL KEY FLOOR PLANS

Phase

100% SUBMISSION

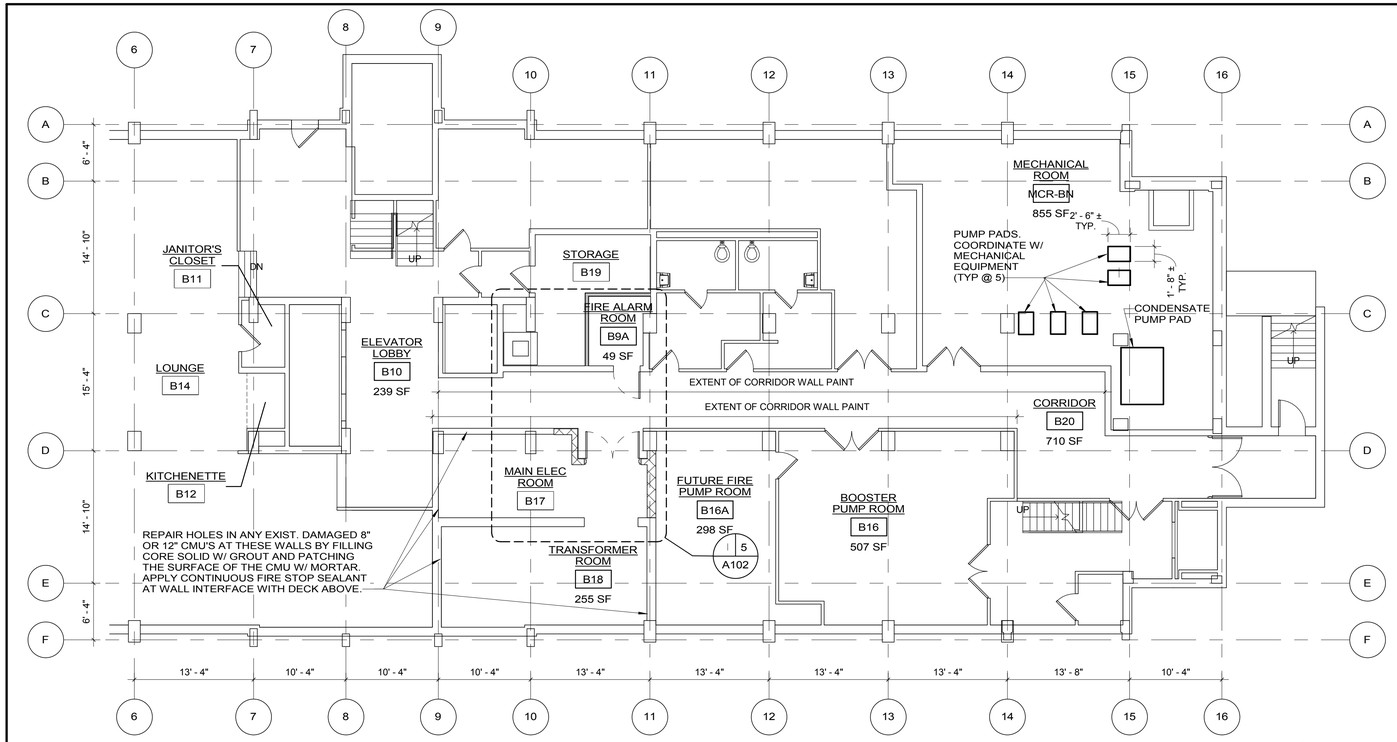
Drawn By:	*Checked By:*	*Date:*
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number A101

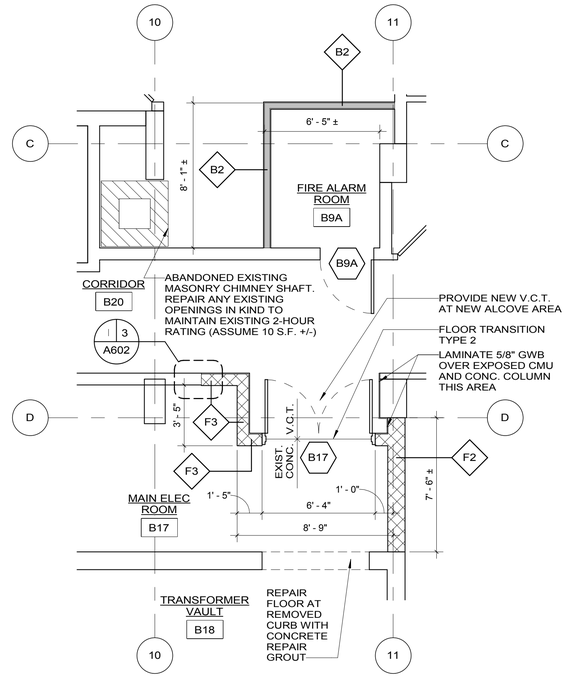
Drawing 16 *of* 129



2 BASEMENT PARTIAL FLOOR PLAN

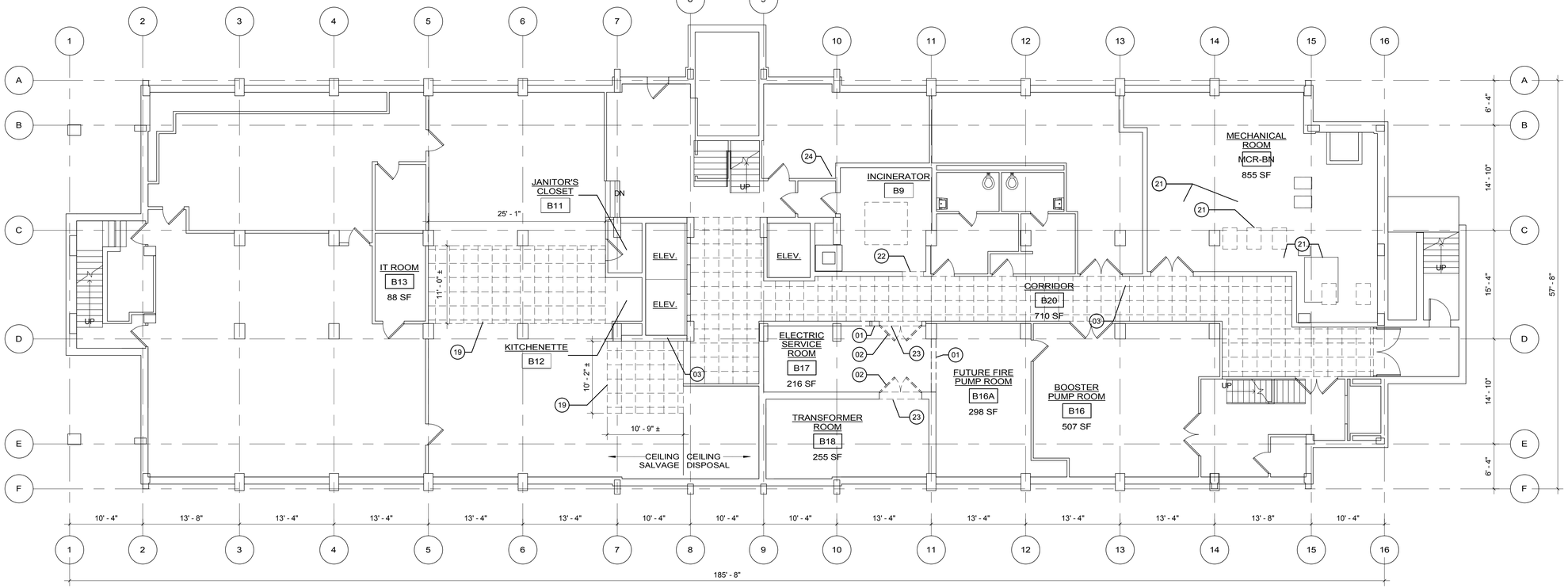
1/8" = 1'-0"

SEE SHEET A-103 FOR DEMOLITION KEYNOTE LEGEND



5 ENLARGED MAIN ELECTRIC ROOM FLOOR PLAN

1/4" = 1'-0"



1 BASEMENT PARTIAL DEMO PLAN

1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client: SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PARTIAL BASEMENT FLOOR & DEMO PLANS

Phase
100% SUBMISSION

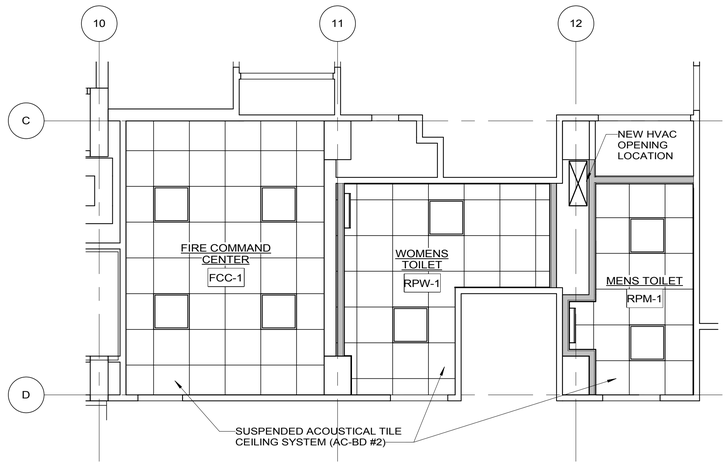
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No:
319010-CR12

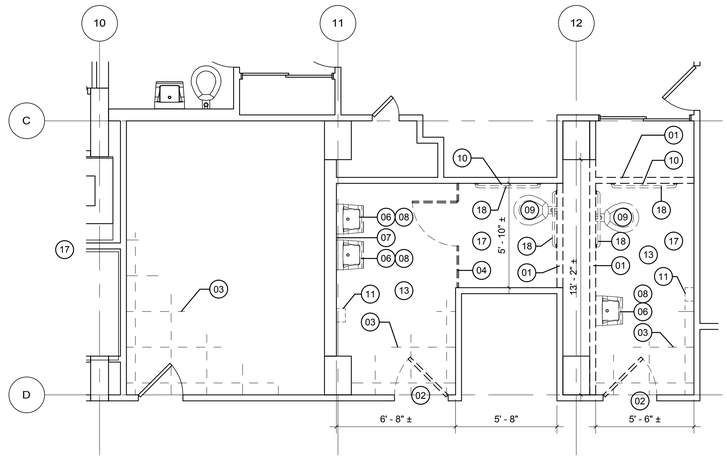
Drawing Number
A102

Drawing 17 of 129



1 ENLARGED 1ST FLOOR BATHROOMS CEILING PLAN

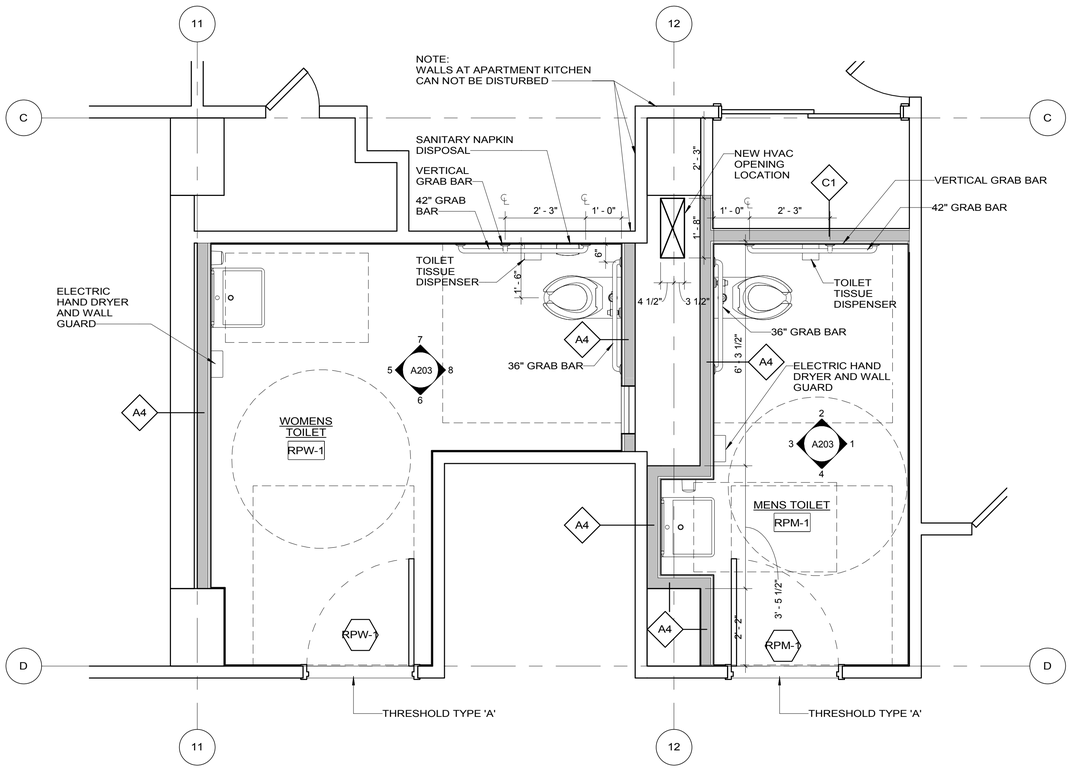
1/4" = 1'-0"



2 ENLARGED 1ST FLOOR BATHROOMS DEMO PLAN

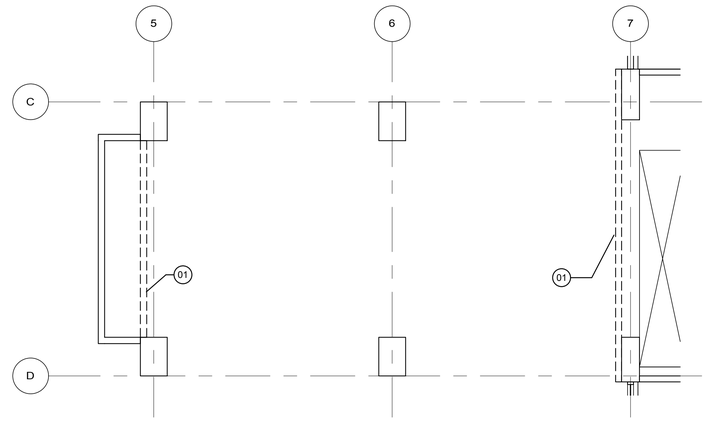
1/4" = 1'-0"

REMOVALS LEGEND	
NUMBER	NOTE
01	REMOVE EXISTING MASONRY WALL PARTITION
02	REMOVE EXISTING DOOR AND FRAME
03	REMOVE EXISTING CEILING SYSTEM
04	REMOVE ALL EXISTING TOILET PARTITIONS INCLUDING ATTACHMENT BRACKETS, FLOOR ANCHORS, OVERHEAD SUPPORTS, ETC.
05	REMOVE ALL EXISTING MARBLE SHOWER PARTITIONS
06	REMOVE EXISTING SINK AND ASSOCIATED STEEL SUPPORT
07	REMOVE EXISTING WALL MOUNTED MIRROR, ATTACHMENTS AND FASTENERS
08	REMOVE EXISTING SOAP DISPENSERS (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
09	REMOVE EXISTING URINALS AND WATER CLOSETS
10	REMOVE EXISTING TOILET TISSUE DISPENSER AND SANITARY NAPKIN DISPOSAL (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
11	REMOVE EXISTING HAND DRYER (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS (SEE ELECTRICAL).
12	REMOVE EXISTING WALL TILE AND MORTAR BED
13	REMOVE EXISTING FLOOR TILE AND MORTAR BED
14	REMOVE EXISTING DRINKING FOUNTAIN (SEE PLUMBING)
15	REMOVE EXISTING SHOWER PAN
16	REMOVE EXISTING COUNTER AND ALL ASSOCIATED SUPPORT BRACKETS
17	REMOVE ALL EXISTING TOILET ACCESSORIES
18	REMOVE GRAB BARS, INCLUDING ATTACHMENT BRACKETS AND BLOCKING.
19	REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM. STORE PANELS & GRID TO BE REINSTALLED FOLLOWING UTILITY INSTALLATION
20	REMOVE EXISTING RAISED CONCRETE SLAB (APPROX. 4" HIGH), PREPARE FLOOR SLAB TO RECEIVE NEW FLOOR TILE
21	REMOVE EXISTING MECHANICAL EQUIPMENT PADS. SAWCUT FLOOR SLAB IN PREPARATION FOR NEW EQUIPMENT PADS - COORDINATE W/ MECHANICAL
22	SAWCUT OPENING IN EXISTING CMU WALL TO PREPARE FOR NEW DOOR OPENING
23	SAWCUT & REMOVE EXISTING CONCRETE CURB AT FLOOR OF DOOR OPENING
24	REMOVE EXISTING STEEL INCINERATOR. COORDINATE REMOVALS WITH MEP DRAWINGS



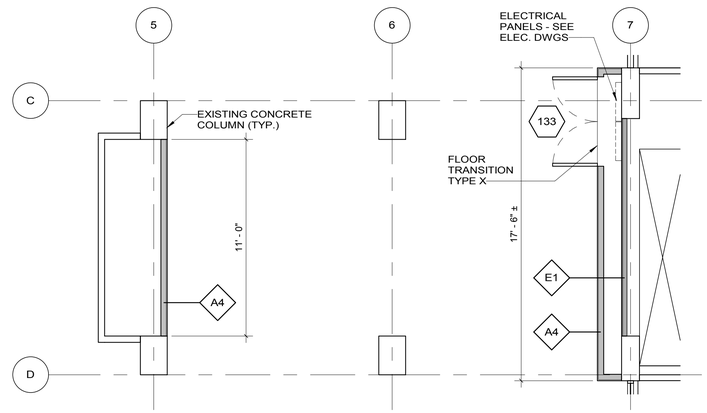
3 ENLARGED FIRST FLOOR BATHROOMS

1/2" = 1'-0"



6 ENLARGED 1ST FLOOR LOUNGE CHASE DEMO

1/4" = 1'-0"



5 ENLARGED 1ST FLOOR LOUNGE CHASE

1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

PARTIAL FIRST FLOOR PLANS

Phase

100% SUBMISSION

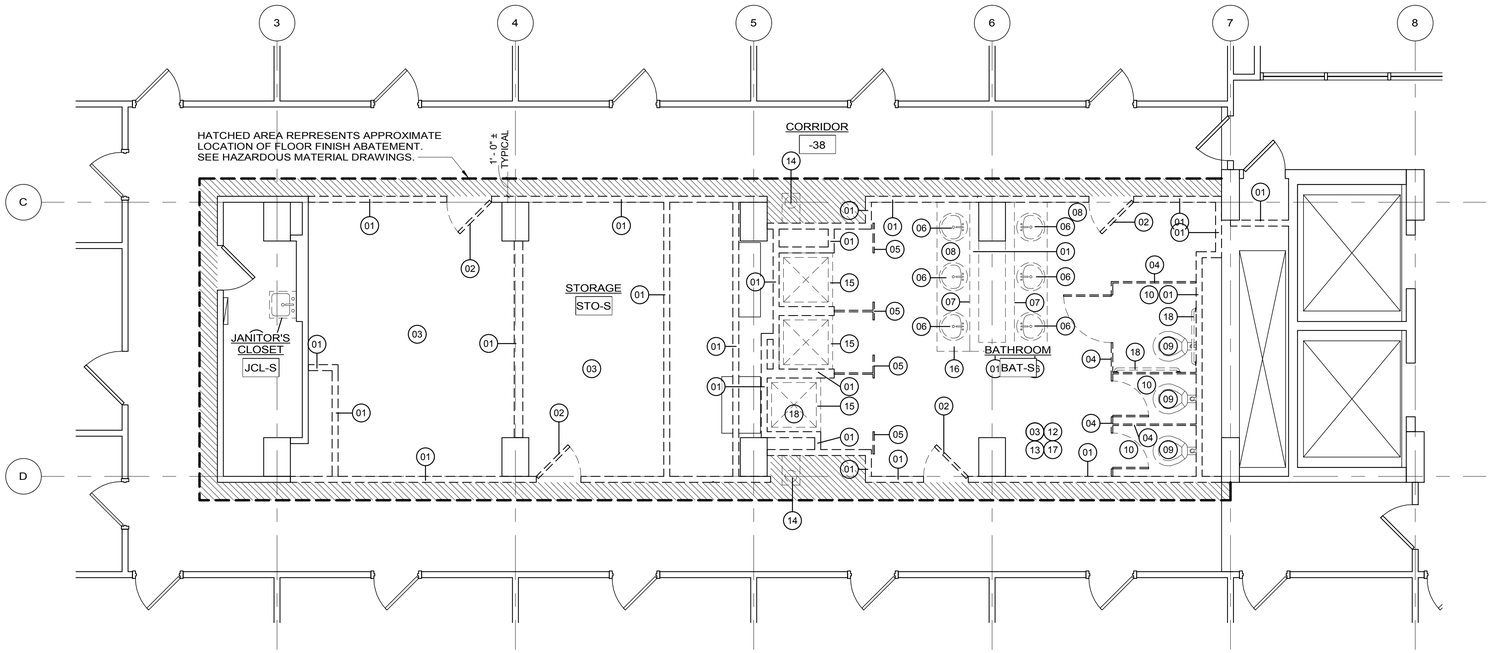
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number A103

Drawing 18 *of* 129



1 | 2 ENLARGED 2ND - 9TH FLOORS DEMO PLAN - PHASE I

1/4" = 1'-0"

REMOVALS LEGEND	
NUMBER	NOTE
01	REMOVE EXISTING MASONRY WALL PARTITION
02	REMOVE EXISTING DOOR AND FRAME
03	REMOVE EXISTING CEILING SYSTEM
04	REMOVE ALL EXISTING TOILET PARTITIONS INCLUDING ATTACHMENT BRACKETS, FLOOR ANCHORS, OVERHEAD SUPPORTS, ETC.
05	REMOVE ALL EXISTING MARBLE SHOWER PARTITIONS
06	REMOVE EXISTING SINK AND ASSOCIATED STEEL SUPPORT
07	REMOVE EXISTING WALL MOUNTED MIRROR, ATTACHMENTS AND FASTENERS
08	REMOVE EXISTING SOAP DISPENSERS (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
09	REMOVE EXISTING URINALS AND WATER CLOSETS
10	REMOVE EXISTING TOILET TISSUE DISPENSER AND SANITARY NAPKIN DISPOSAL (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
11	REMOVE EXISTING HAND DRYER (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS (SEE ELECTRICAL).
12	REMOVE EXISTING WALL TILE AND MORTAR BED
13	REMOVE EXISTING FLOOR TILE AND MORTAR BED
14	REMOVE EXISTING DRINKING FOUNTAIN (SEE PLUMBING)
15	REMOVE EXISTING SHOWER PAN
16	REMOVE EXISTING COUNTER AND ALL ASSOCIATED SUPPORT BRACKETS
17	REMOVE ALL EXISTING TOILET ACCESSORIES
18	REMOVE GRAB BARS, INCLUDING ATTACHMENT BRACKETS AND BLOCKING.
19	REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM. STORE PANELS & GRID TO BE REINSTALLED FOLLOWING UTILITY INSTALLATION
20	REMOVE EXISTING RAISED CONCRETE SLAB (APPROX. 4" HIGH), PREPARE FLOOR SLAB TO RECEIVE NEW FLOOR TILE
21	REMOVE EXISTING MECHANICAL EQUIPMENT PADS. SAWCUT FLOOR SLAB IN PREPARATION FOR NEW EQUIPMENT PADS - COORDINATE W/ MECHANICAL
22	SAWCUT OPENING IN EXISTING CMU WALL TO PREPARE FOR NEW DOOR OPENING
23	SAWCUT & REMOVE EXISTING CONCRETE CURB AT FLOOR OF DOOR OPENING
24	REMOVE EXISTING STEEL INCINERATOR. COORDINATE REMOVALS WITH MEP DRAWINGS

1. DASNY HAS PERFORMED A PRE-RENOVATION SURVEY FOR ASBESTOS. A COPY OF THE REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS. ADDITIONAL COPIES CAN BE OBTAINED FROM THE DASNY PROJECT MANAGER.

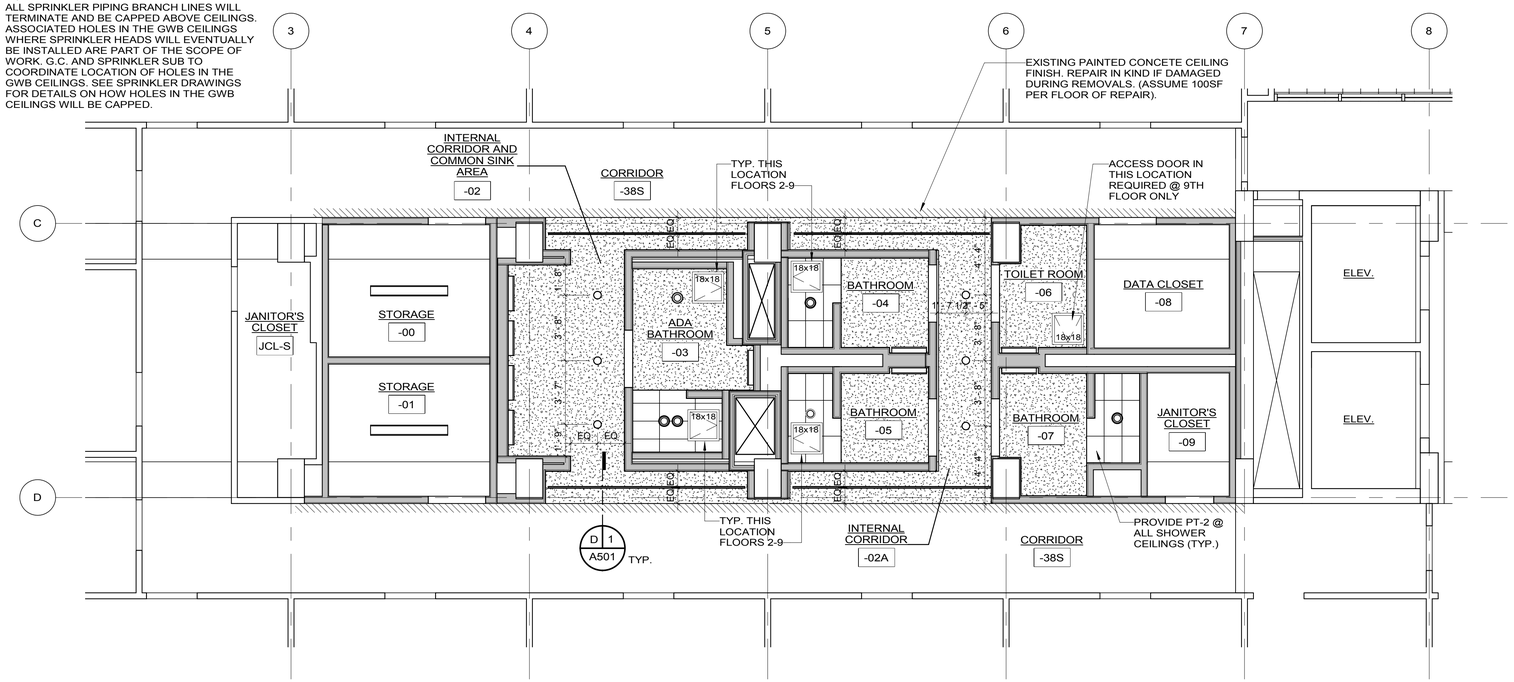
2. ASBESTOS CONTAINING MATERIAL IDENTIFIED IN THE REPORT ARE TO BE ABATED PRIOR TO ANY CONSTRUCTION THAT COULD DISTURB THESE MATERIALS. REFER TO ASBESTOS ABATEMENT DRAWINGS.

3. CONTRACTORS SHALL BE AWARE THAT DETECTABLE TRACE LEVELS OF ASBESTOS ARE PRESENT, BUT WERE FOUND TO BE LESS THAN OR EQUAL TO 1.0% ASBESTOS CONTENT AND THEREFORE THE MATERIALS ARE CLASSIFIED AS NON-ACM. CONTRACTORS SHALL BE RESPONSIBLE FOR CONDUCTING ALL WORK IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS, INCLUDING THOSE ESTABLISHED BY US DOL OSHA FOR WORK INVOLVING SUCH NON-ACM ASBESTOS TRACE MATERIALS.

4. IF DURING THE COURSE OF CONSTRUCTION SUSPECT ACM MATERIALS ARE DISCOVERED, AVOID DISTURBING THOSE MATERIALS. INFORM THE DASNY PROJECT MANAGER AND THE OWNERS SO THAT SAMPLING AND TESTING CAN BE ARRANGED, THEN PROCEED AS DIRECTED BY THE DASNY PROJECT MANAGER.

5. GC MUST COORDINATE WITH ABATEMENT CONTRACTOR TO MINIMIZE THE AMOUNT OF DEMO DEBRIS BEING DISPOSED OF DURING THE ABATEMENT PROCESS.

NOTE:
ALL SPRINKLER PIPING BRANCH LINES WILL TERMINATE AND BE CAPPED ABOVE CEILINGS. ASSOCIATED HOLES IN THE GWB CEILINGS WHERE SPRINKLER HEADS WILL EVENTUALLY BE INSTALLED ARE PART OF THE SCOPE OF WORK. G.C. AND SPRINKLER SUB TO COORDINATE LOCATION OF HOLES IN THE GWB CEILINGS. SEE SPRINKLER DRAWINGS FOR DETAILS ON HOW HOLES IN THE GWB CEILINGS WILL BE CAPPED.



1 ENLARGED 2ND - 9TH FLOORS REFLECTED CEILING PLAN - PHASE I

1/4" = 1'-0"

ROOM NUMBER LEGEND
ROOM NAME -04 — FIRST NUMBER IN ROOM NUMBER IS BUILDING FLOOR
EXAMPLE: BATHROOM 304 — THIRD FLOOR

CEILING LEGEND
ACCESS DOOR - SEE PLAN FOR SIZE
SPRINKLER HEAD
WALL MOUNTED LIGHT FIXTURE
CEILING MOUNTED LIGHT FIXTURES
RETURN AIR GRILLE
SUPPLY GRILLE
GWB CEILING HATCH
EXISTING CONCRETE CEILING REPAIR
NOTE: LIGHTS, CEILING ACCESS DOORS & SPINKLER HEADS ARE SHOWN IN GENERAL LOCATIONS, COORDINATE W/ M/E/P/FP DWGS.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client: SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYPICAL 2ND - 9TH PLANS - SOUTH

Phase
100% SUBMISSION

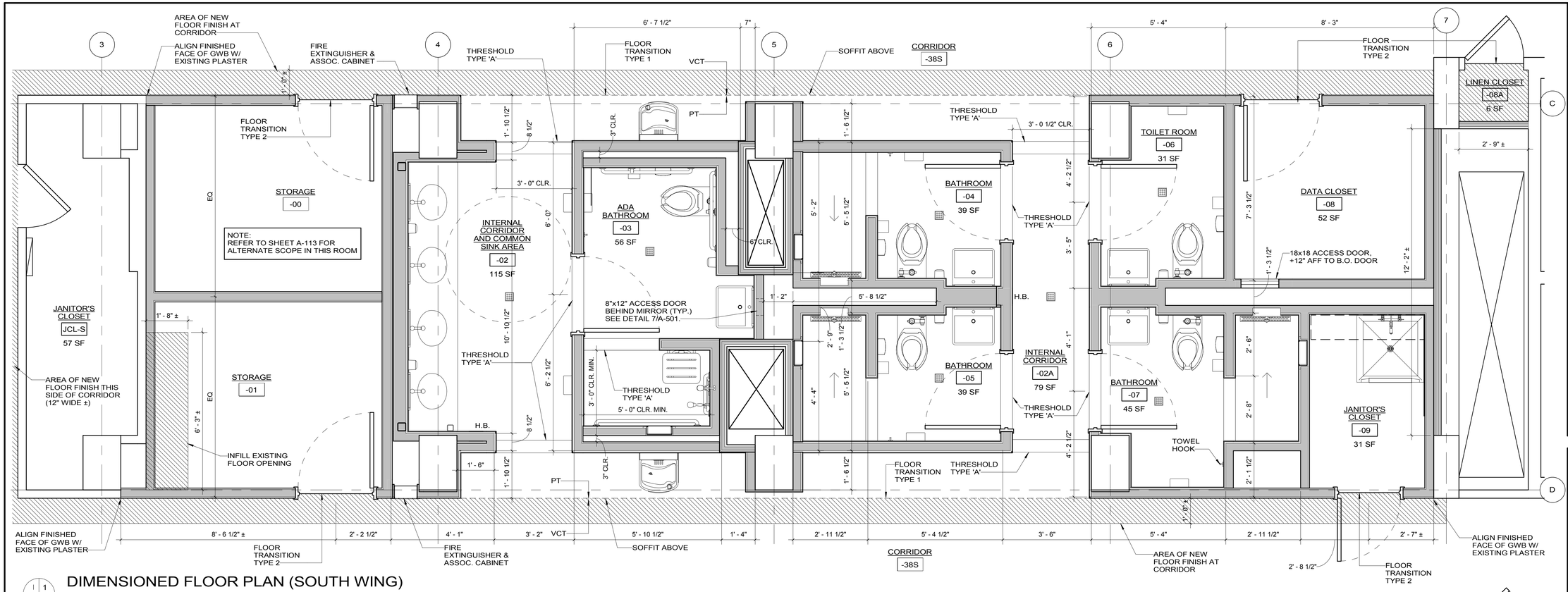
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

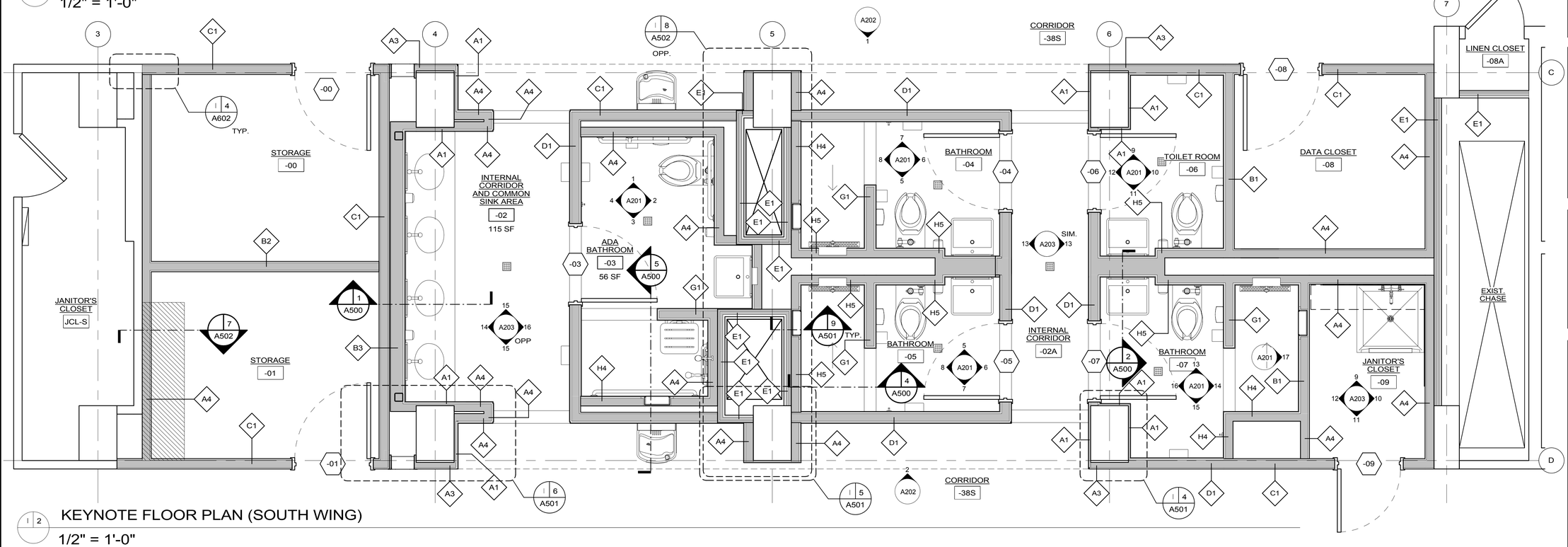
Drawing Number
A104

Drawing 19 of 129



1 DIMENSIONED FLOOR PLAN (SOUTH WING)

1/2" = 1'-0"



2 KEYNOTE FLOOR PLAN (SOUTH WING)

1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: ENLARGED 2ND - 9TH FLOOR PLANS - SOUTH

Phase: 100% SUBMISSION

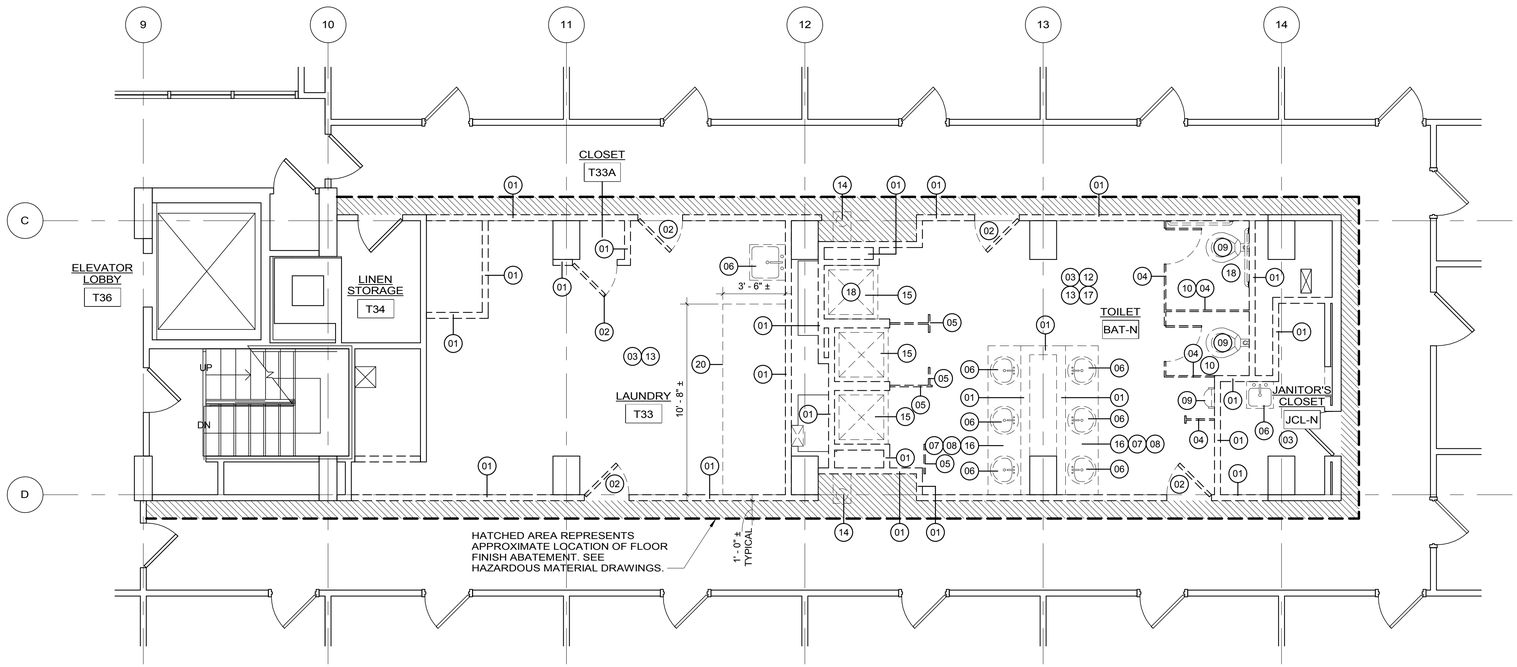
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number: A105

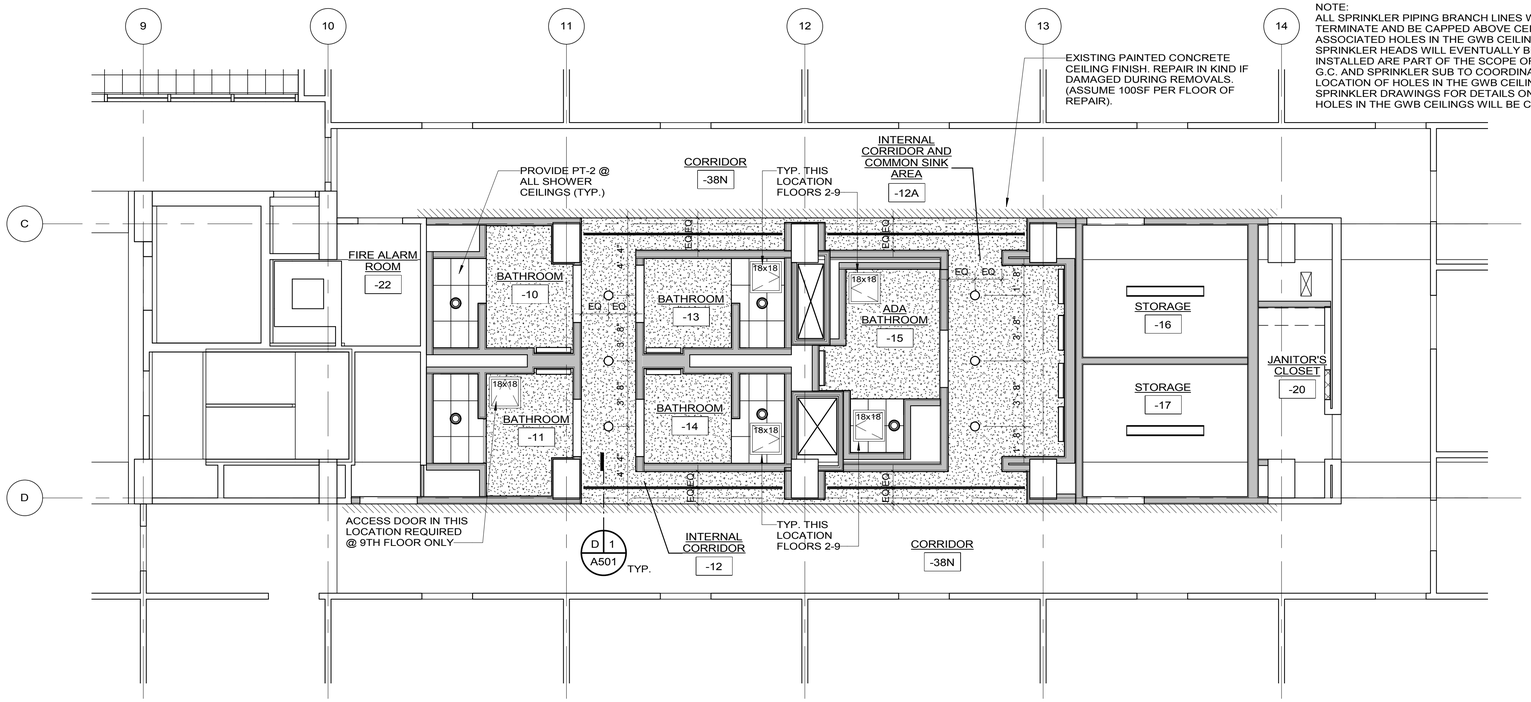
Drawing 20 of 129



1 ENLARGED 2ND - 9TH FLOORS DEMO PLAN - NORTH

1/4" = 1'-0"

REMOVALS LEGEND	
NUMBER	NOTE
01	REMOVE EXISTING MASONRY WALL PARTITION
02	REMOVE EXISTING DOOR AND FRAME
03	REMOVE EXISTING CEILING SYSTEM
04	REMOVE ALL EXISTING TOILET PARTITIONS INCLUDING ATTACHMENT BRACKETS, FLOOR ANCHORS, OVERHEAD SUPPORTS, ETC.
05	REMOVE ALL EXISTING MARBLE SHOWER PARTITIONS
06	REMOVE EXISTING SINK AND ASSOCIATED STEEL SUPPORT
07	REMOVE EXISTING WALL MOUNTED MIRROR, ATTACHMENTS AND FASTENERS
08	REMOVE EXISTING SOAP DISPENSERS (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
09	REMOVE EXISTING URINALS AND WATER CLOSETS
10	REMOVE EXISTING TOILET TISSUE DISPENSER AND SANITARY NAPKIN DISPOSAL (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
11	REMOVE EXISTING HAND DRYER (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS (SEE ELECTRICAL).
12	REMOVE EXISTING WALL TILE AND MORTAR BED
13	REMOVE EXISTING FLOOR TILE AND MORTAR BED
14	REMOVE EXISTING DRINKING FOUNTAIN (SEE PLUMBING)
15	REMOVE EXISTING SHOWER PAN
16	REMOVE EXISTING COUNTER AND ALL ASSOCIATED SUPPORT BRACKETS
17	REMOVE ALL EXISTING TOILET ACCESSORIES
18	REMOVE GRAB BARS, INCLUDING ATTACHMENT BRACKETS AND BLOCKING.
19	REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM. STORE PANELS & GRID TO BE REINSTALLED FOLLOWING UTILITY INSTALLATION
20	REMOVE EXISTING RAISED CONCRETE SLAB (APPROX. 4" HIGH), PREPARE FLOOR SLAB TO RECEIVE NEW FLOOR TILE
21	REMOVE EXISTING MECHANICAL EQUIPMENT PADS. SAWCUT FLOOR SLAB IN PREPARATION FOR NEW EQUIPMENT PADS - COORDINATE W/ MECHANICAL
22	SAWCUT OPENING IN EXISTING CMU WALL TO PREPARE FOR NEW DOOR OPENING
23	SAWCUT & REMOVE EXISTING CONCRETE CURB AT FLOOR OF DOOR OPENING
24	REMOVE EXISTING STEEL INCINERATOR. COORDINATE REMOVALS WITH MEP DRAWINGS



3 ENLARGED 2ND - 9TH REFLECTED CEILING PLAN - NORTH

1/4" = 1'-0"

1. DASNY HAS PERFORMED A PRE-RENOVATION SURVEY FOR ASBESTOS. A COPY OF THE REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS. ADDITIONAL COPIES CAN BE OBTAINED FROM THE DASNY PROJECT MANAGER.

2. ASBESTOS CONTAINING MATERIAL IDENTIFIED IN THE REPORT ARE TO BE ABATED PRIOR TO ANY CONSTRUCTION THAT COULD DISTURB THESE MATERIALS. REFER TO ASBESTOS ABATEMENT DRAWINGS.

3. CONTRACTORS SHALL BE AWARE THAT DETECTABLE TRACE LEVELS OF ASBESTOS ARE PRESENT, BUT WERE FOUND TO BE LESS THAN OR EQUAL TO 1.0% ASBESTOS CONTENT AND THEREFORE THE MATERIALS ARE CLASSIFIED AS NON-ACM. CONTRACTORS SHALL BE RESPONSIBLE FOR CONDUCTING ALL WORK IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS, INCLUDING THOSE ESTABLISHED BY US DOL OSHA FOR WORK INVOLVING SUCH NON-ACM ASBESTOS TRACE MATERIALS.

4. IF DURING THE COURSE OF CONSTRUCTION SUSPECT ACM MATERIALS ARE DISCOVERED, AVOID DISTURBING THOSE MATERIALS. INFORM THE DASNY PROJECT MANAGER AND THE OWNERS SO THAT SAMPLING AND TESTING CAN BE ARRANGED, THEN PROCEED AS DIRECTED BY THE DASNY PROJECT MANAGER.

5. GC MUST COORDINATE WITH ABATEMENT CONTRACTOR TO MINIMIZE THE AMOUNT OF DEMO DEBRIS BEING DISPOSED OF DURING THE ABATEMENT PROCESS.

ROOM NUMBER LEGEND

ROOM NAME
-04
FIRST NUMBER IN ROOM NUMBER IS BUILDING FLOOR

EXAMPLE:

BATHROOM
304
THIRD FLOOR

CEILING LEGEND

- ACCESS DOOR - SEE PLAN FOR SIZE
- SPRINKLER HEAD
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED LIGHT FIXTURES
- RETURN AIR GRILLE
- SUPPLY GRILLE
- GWB CEILING HATCH
- EXISTING CONCRETE CEILING REPAIR

NOTE:

LIGHTS, CEILING ACCESS DOORS & SPINKLER HEADS ARE SHOWN IN GENERAL LOCATIONS, COORDINATE W/ M/E/P/FP DWGS.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client: SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYPICAL 2ND -9TH PLANS - NORTH

Phase
100% SUBMISSION

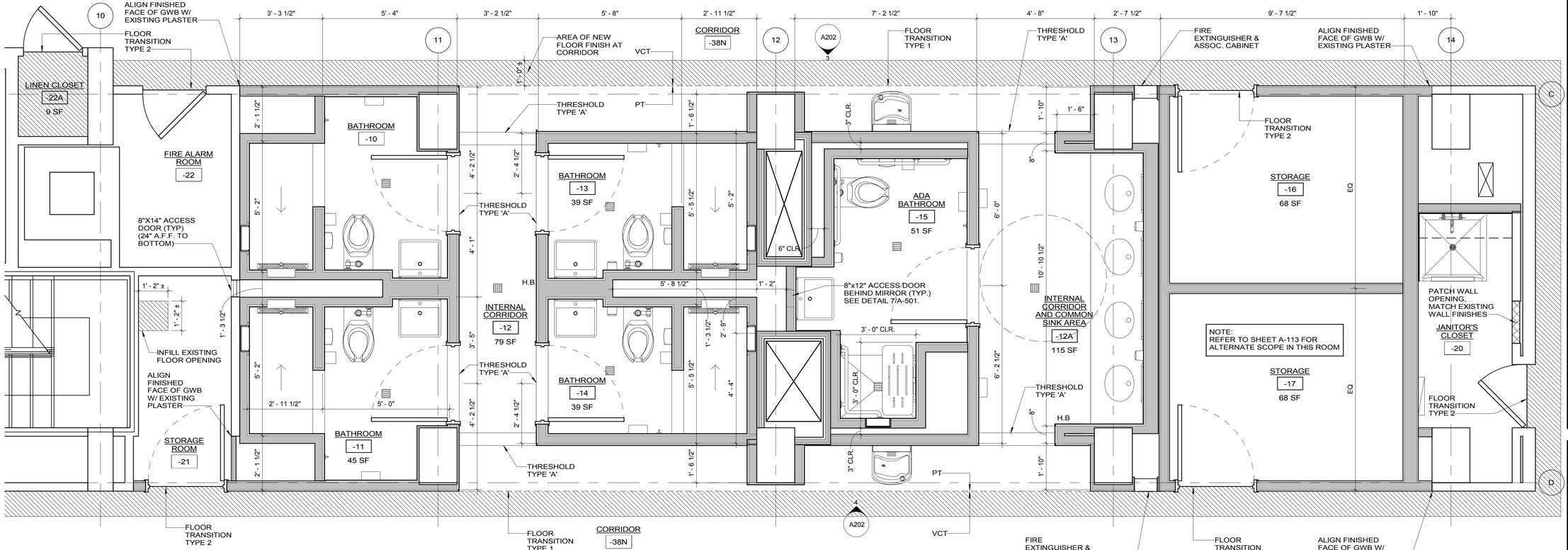
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No:
319010-CR12

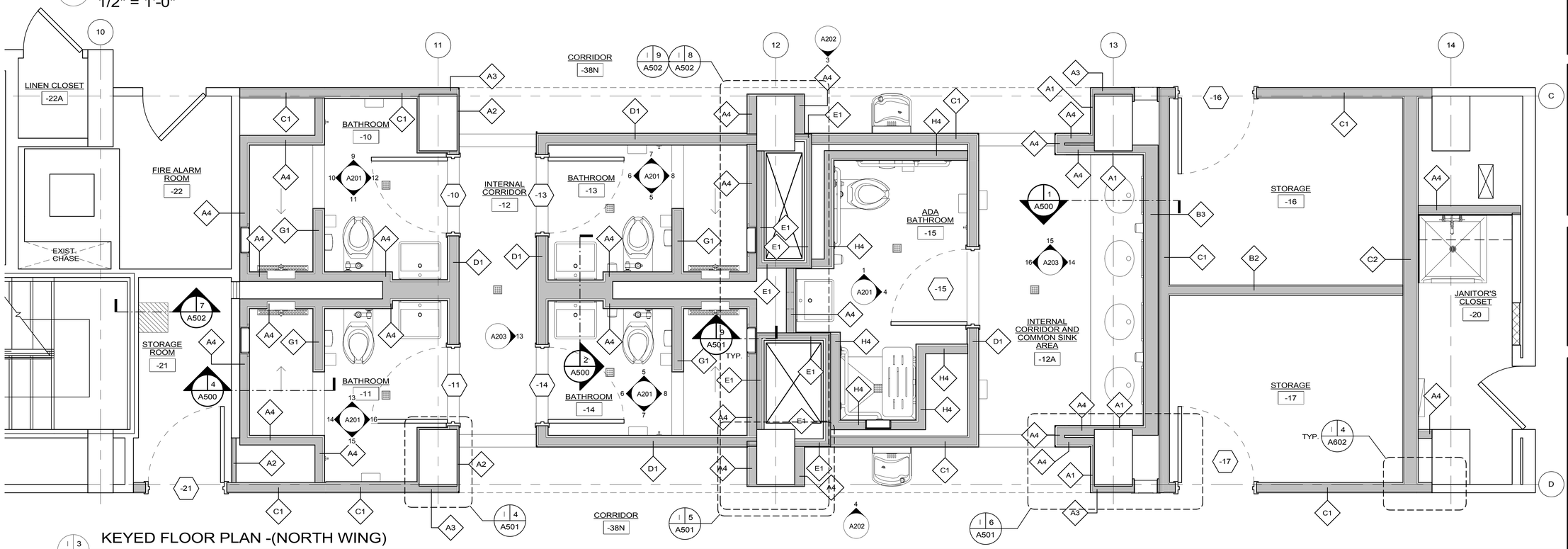
Drawing Number
A106

Drawing 21 of 129



1 | 2 DIMENSIONED FLOOR PLAN - (NORTH WING)

1/2" = 1'-0"



1 | 3 KEYED FLOOR PLAN -(NORTH WING)

1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

ENLARGED 2ND - 9TH FLOOR PLANS - NORTH

Phase

100% SUBMISSION

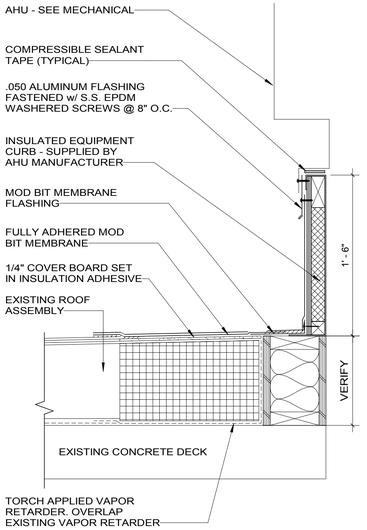
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

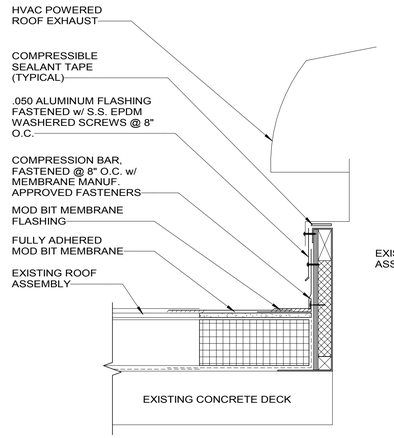
Drawing Number A107

Drawing 22 of 129



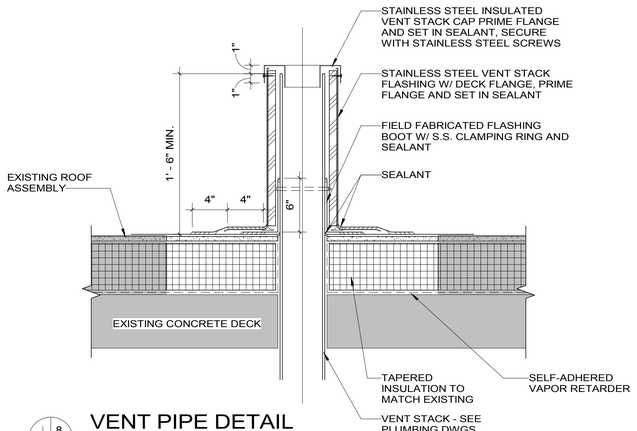
4 AHU CURB DETAIL

1 1/2" = 1'-0"



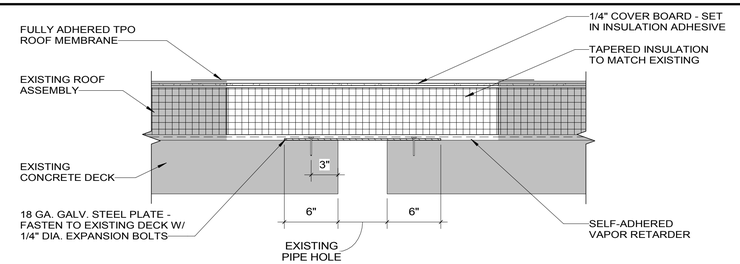
5 PRE CURB DETAIL

1 1/2" = 1'-0"



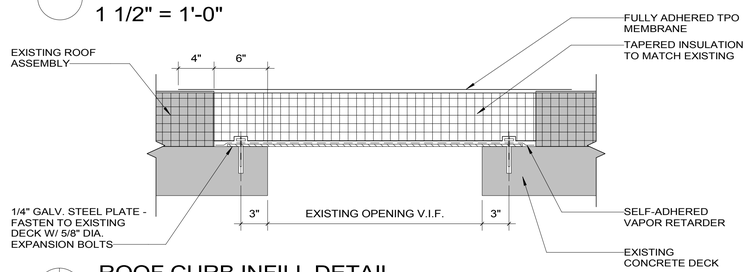
8 VENT PIPE DETAIL

1 1/2" = 1'-0"



7 VENT PIPE INFILL DETAIL

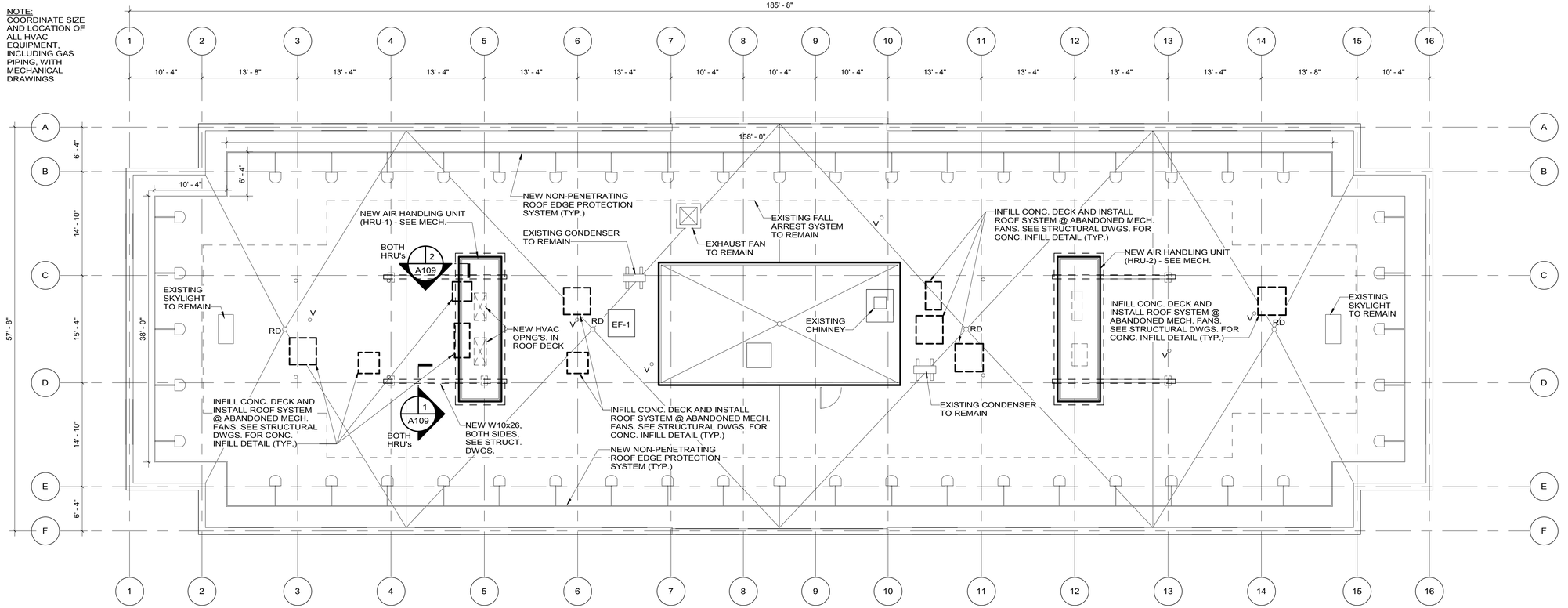
1 1/2" = 1'-0"



6 ROOF CURB INFILL DETAIL

1 1/2" = 1'-0"

NOTE:
COORDINATE SIZE AND LOCATION OF ALL HVAC EQUIPMENT, INCLUDING GAS PIPING, WITH MECHANICAL DRAWINGS



1 OVERALL ROOF PLAN

1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

OVERALL ROOF PLAN

Phase

100% SUBMISSION

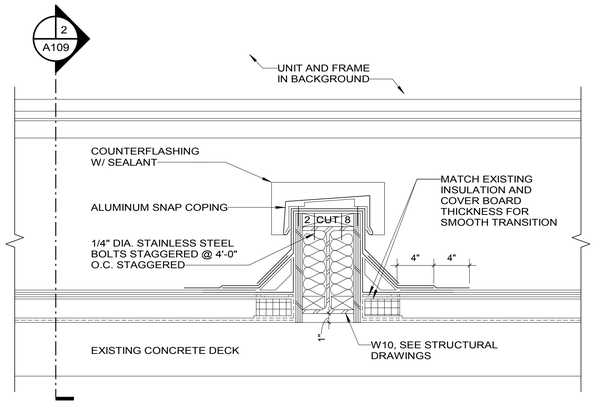
Drawn By:	*Checked By:*	*Date:*
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

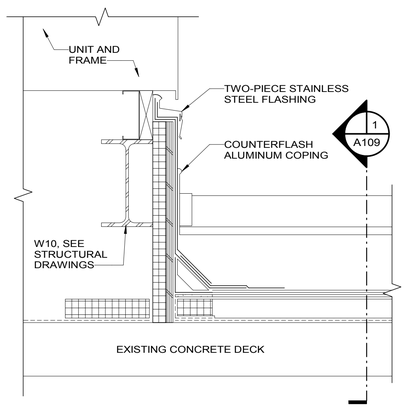
Drawing Number A108

Drawing 23 *of* 129



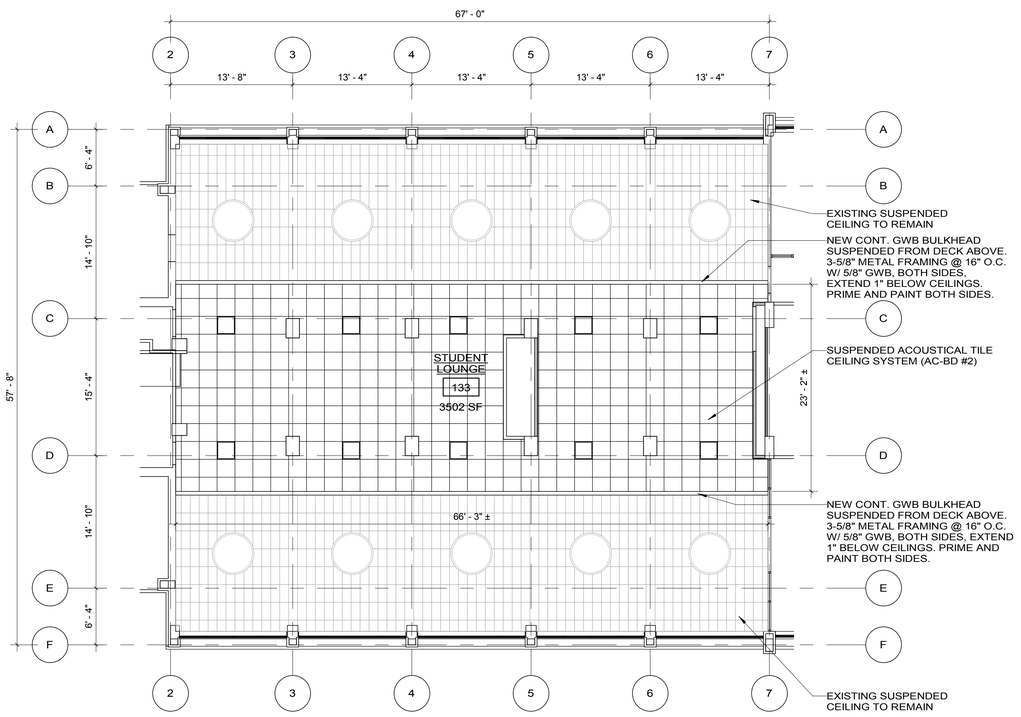
1 DUNNAGE BEAM DETAIL (LONGITUDINAL)

1 1/2" = 1'-0"



2 DUNNAGE BEAM DETAIL (TRANSVERSE)

1 1/2" = 1'-0"

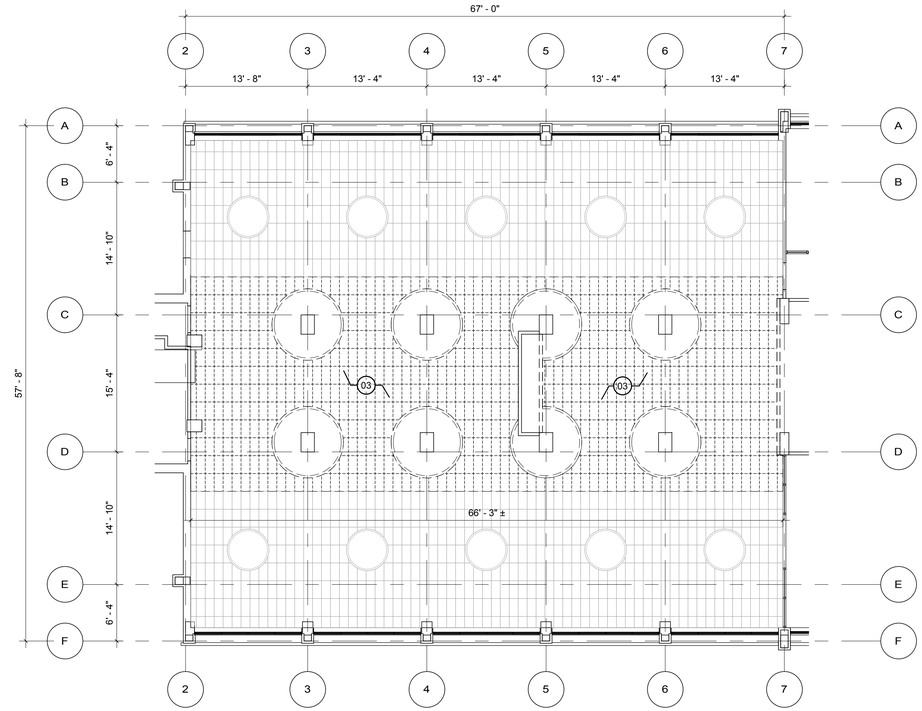


3 1ST FLOOR NEW CEILING PLAN

1/8" = 1'-0"

REMOVALS LEGEND	
NUMBER	NOTE

01	REMOVE EXISTING MASONRY WALL PARTITION
02	REMOVE EXISTING DOOR AND FRAME
03	REMOVE EXISTING CEILING SYSTEM
04	REMOVE ALL EXISTING TOILET PARTITIONS INCLUDING ATTACHMENT BRACKETS, FLOOR ANCHORS, OVERHEAD SUPPORTS, ETC.
05	REMOVE ALL EXISTING MARBLE SHOWER PARTITIONS
06	REMOVE EXISTING SINK AND ASSOCIATED STEEL SUPPORT
07	REMOVE EXISTING WALL MOUNTED MIRROR, ATTACHMENTS AND FASTENERS
08	REMOVE EXISTING SOAP DISPENSERS (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
09	REMOVE EXISTING URINALS AND WATER CLOSETS
10	REMOVE EXISTING TOILET TISSUE DISPENSER AND SANITARY NAPKIN DISPOSAL (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS.
11	REMOVE EXISTING HAND DRYER (TURN OVER TO OWNER) AND ASSOCIATED ANCHORS (SEE ELECTRICAL).
12	REMOVE EXISTING WALL TILE AND MORTAR BED
13	REMOVE EXISTING FLOOR TILE AND MORTAR BED
14	REMOVE EXISTING DRINKING FOUNTAIN (SEE PLUMBING)
15	REMOVE EXISTING SHOWER PAN
16	REMOVE EXISTING COUNTER AND ALL ASSOCIATED SUPPORT BRACKETS
17	REMOVE ALL EXISTING TOILET ACCESSORIES
18	REMOVE GRAB BARS, INCLUDING ATTACHMENT BRACKETS AND BLOCKING.
19	REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM. STORE PANELS & GRID TO BE REINSTALLED FOLLOWING UTILITY INSTALLATION
20	REMOVE EXISTING RAISED CONCRETE SLAB (APPROX. 4" HIGH), PREPARE FLOOR SLAB TO RECEIVE NEW FLOOR TILE
21	REMOVE EXISTING MECHANICAL EQUIPMENT PADS. SAWCUT FLOOR SLAB IN PREPARATION FOR NEW EQUIPMENT PADS - COORDINATE W/ MECHANICAL
22	SAWCUT OPENING IN EXISTING CMU WALL TO PREPARE FOR NEW DOOR OPENING
23	SAWCUT & REMOVE EXISTING CONCRETE CURB AT FLOOR OF DOOR OPENING
24	REMOVE EXISTING STEEL INCINERATOR. COORDINATE REMOVALS WITH MEP DRAWINGS



4 1ST FLOOR DEMO CEILING PLAN

1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

FIRST FLOOR
LOUNGE PLANS &
ROOF DETAILS

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
IPV	DCS	12/14/2018

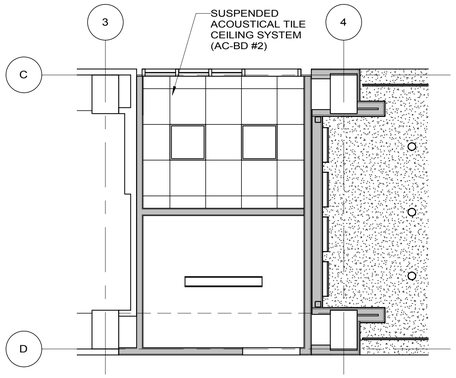
Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number

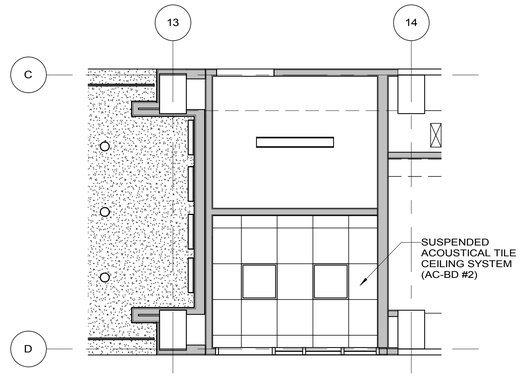
A109

Drawing 24 of 129



4 GROUP STUDY ALTERNATE #1 CEILING PLAN - SOUTH

1/4" = 1'-0"



5 GROUP STUDY ALTERNATE #1 CEILING PLAN - NORTH

1/4" = 1'-0"

ROOM NUMBER LEGEND

ROOM NAME

-04

FIRST NUMBER IN ROOM NUMBER IS BUILDING FLOOR

EXAMPLE:

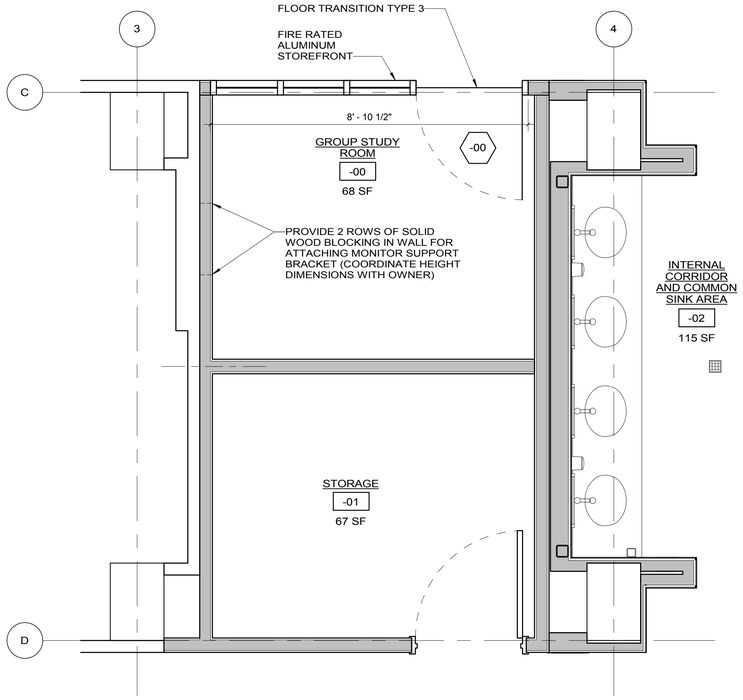
BATHROOM 304 THIRD FLOOR

ROOM SCHEDULE - ALTERNATE GROUP STUDY ROOMS

ROOM NAME	ROOM NUMBER	FLOOR			BASE			WALLS			CEILING				GENERAL REMARKS
		MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	HEIGHT	FINISH	COLOR	
GROUP STUDY ROOM	-01	CARPET TYPE 1	-	SEE SPEC	RB-4	-	-	GWB	PAINT TYPE 3	SEE SPEC	AC-BD #2	7' - 0"	-	SEE SPEC	
GROUP STUDY ROOM	-17	CARPET TYPE 1	-	SEE SPEC	RB-4	-	-	GWB	PAINT TYPE 3	SEE SPEC	AC-BD #2	7' - 0"	-	SEE SPEC	

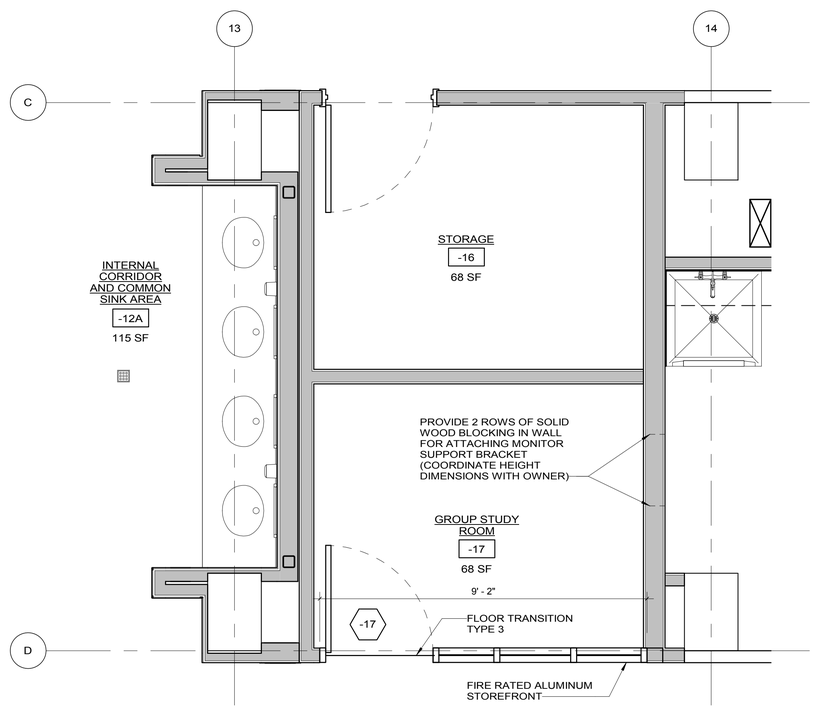
DOOR SCHEDULE - ALTERNATE GROUP STUDIES ROOMS

MARK	FRAME				DOOR					THRESHOLD	SILL	DOOR UNDERCUT	LABEL	HARDWARE		GENERAL REMARKS
	WIDTH	HEIGHT	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE					SET NO.	KEYSIDE ROOM NO.	
-00	9' - 8"	6' - 10"	SF-1 (ALT. 1)	ALUM	3' - 0"	6' - 8"	1 3/4"	WD	B	-	-	-	45min.			
-17	9' - 8"	6' - 10"	SF-1 (ALT. 1)	ALUM	3' - 0"	6' - 8"	1 3/4"	WD	B	-	-	-	45min.			



1 GROUP STUDY ALTERNATE #1 FLOOR PLAN (SOUTH WING)

1/2" = 1'-0"



2 GROUP STUDY ALTERNATE #1 FLOOR PLAN (NORTH WING)

1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client: SUNY OSWEGO

Project Title:
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title:
ALTERNATE #1
FLOOR PLANS

Phase:
100% SUBMISSION

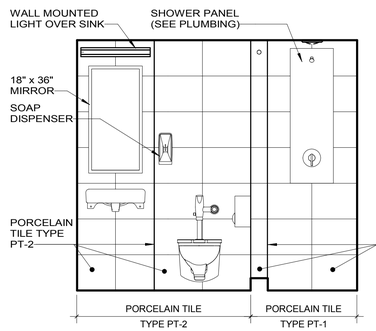
Drawn By: DJS | Checked By: DCS | Date: 12/14/2018

Seal & Signature

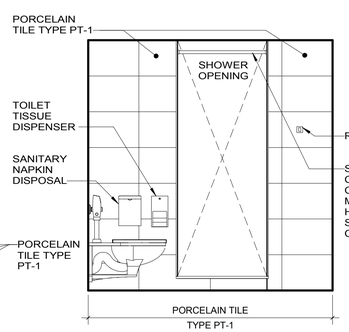
DASNY Project No: 319010-CR12

Drawing Number: A113

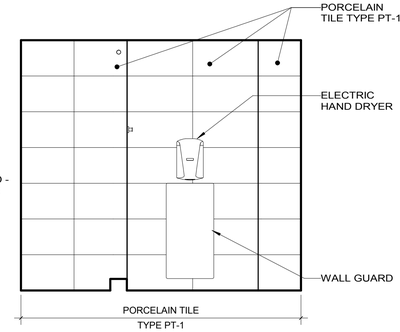
Drawing 27 of 129



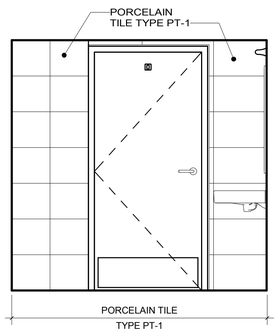
ELEVATION 13



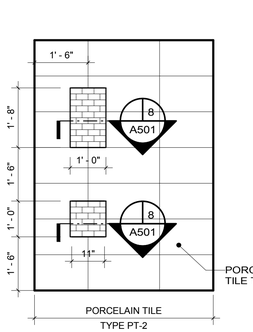
ELEVATION 14



ELEVATION 15

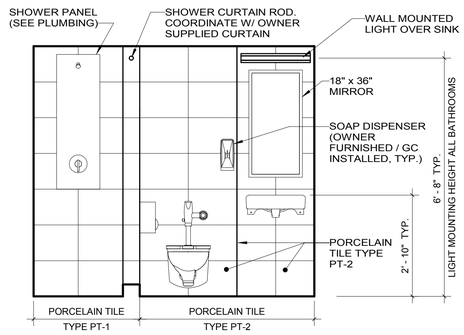


ELEVATION 16

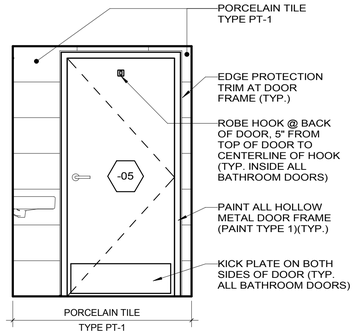


ELEVATION 17

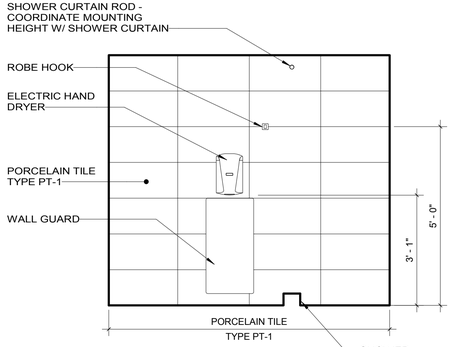
BATHROOM -07 ELEVATIONS — SCALE: 1/2" = 1'-0"



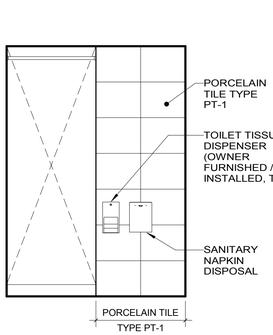
ELEVATION 5



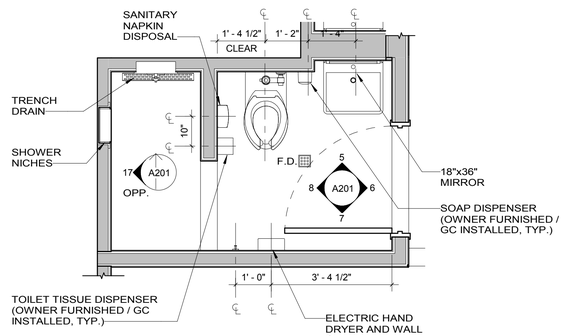
ELEVATION 6



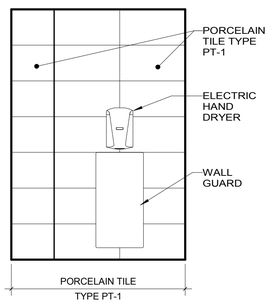
ELEVATION 7



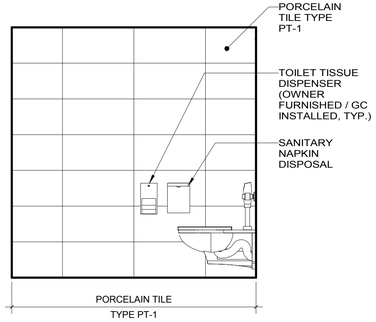
ELEVATION 8



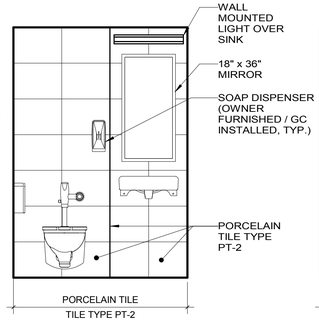
BATHROOM -05 ELEVATIONS — SCALE: 1/2" = 1'-0"



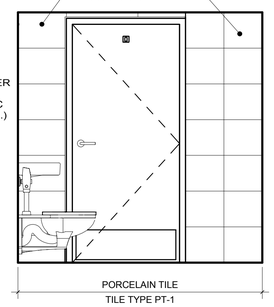
ELEVATION 9



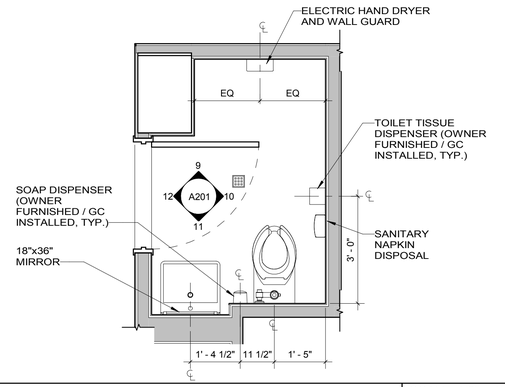
ELEVATION 10



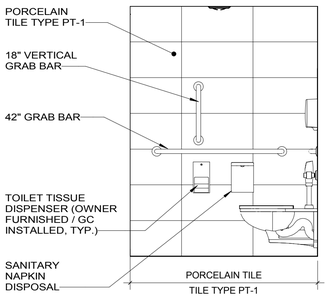
ELEVATION 11



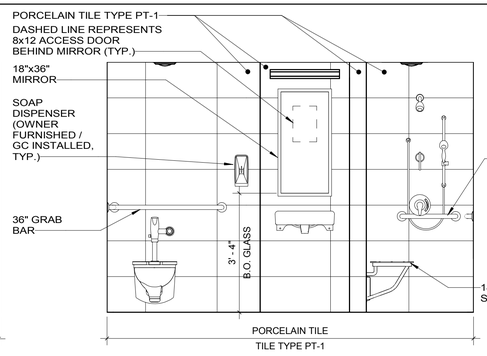
ELEVATION 12



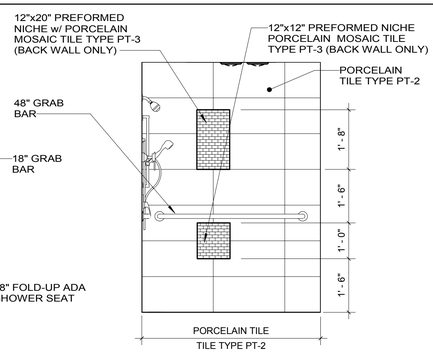
TOILET ROOM -06 ELEVATIONS — SCALE: 1/2" = 1'-0"



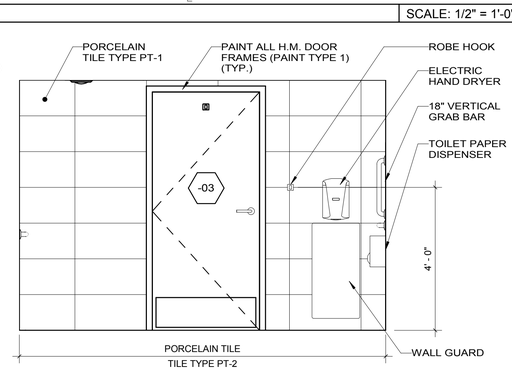
ELEVATION 1



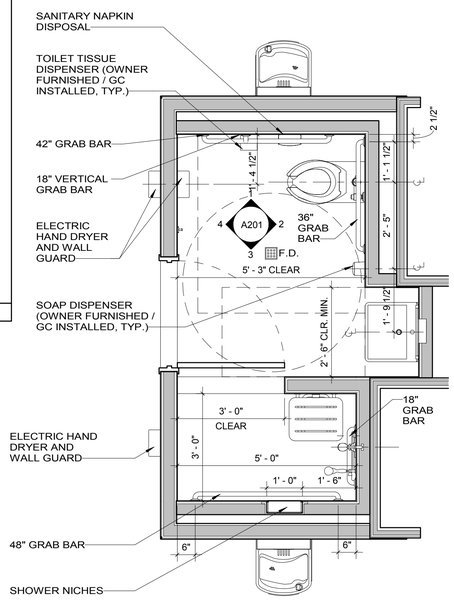
ELEVATION 2



ELEVATION 3



ELEVATION 4



ADA BATHROOM -03 ELEVATIONS — SCALE: 1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

INTERIOR ELEVATIONS

Phase

100% SUBMISSION

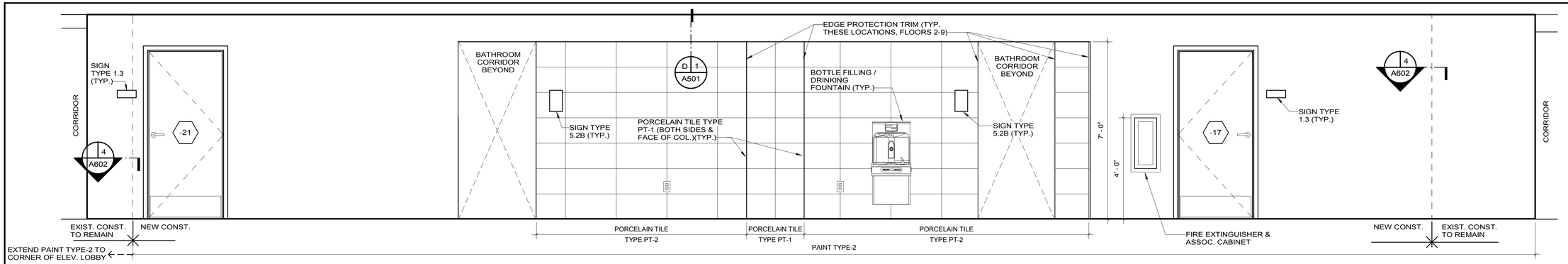
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

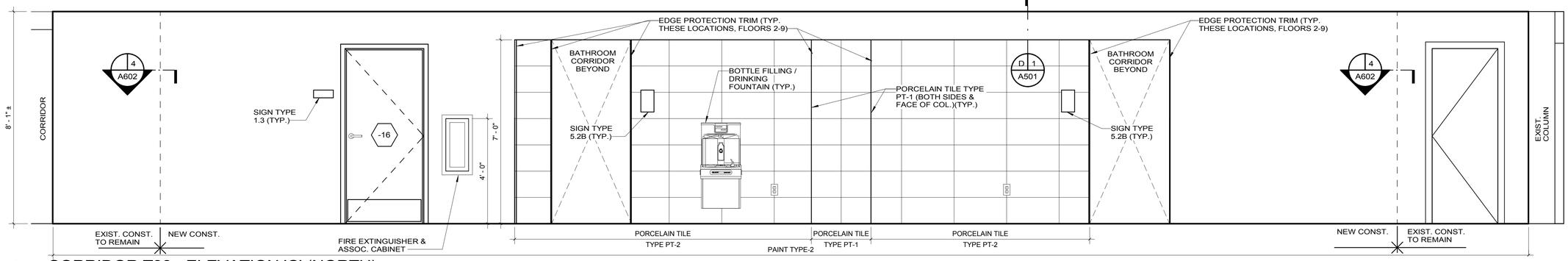
Drawing Number A201

Drawing 28 of 129



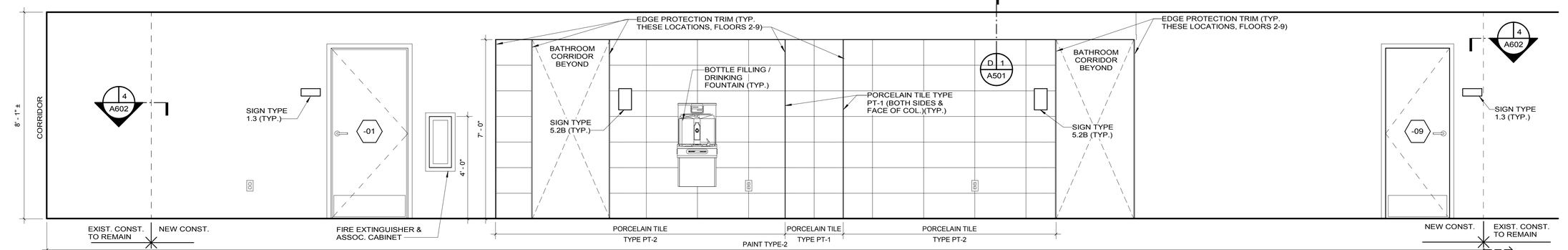
4 | 1 CORRIDOR T38 - ELEVATION 'D' (NORTH)

1/2" = 1'-0"



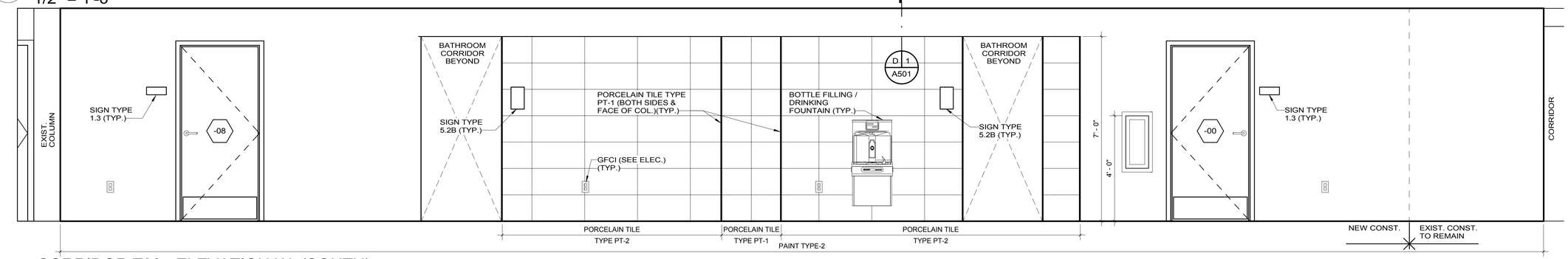
3 | 1 CORRIDOR T38 - ELEVATION 'C' (NORTH)

1/2" = 1'-0"



2 | 1 CORRIDOR T38 - ELEVATION 'B' (SOUTH)

1/2" = 1'-0"



1 | 1 CORRIDOR T38 - ELEVATION 'A' (SOUTH)

1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client: SUNY OSWEGO

Project Title:
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title:
INTERIOR ELEVATIONS

Phase: 100% SUBMISSION

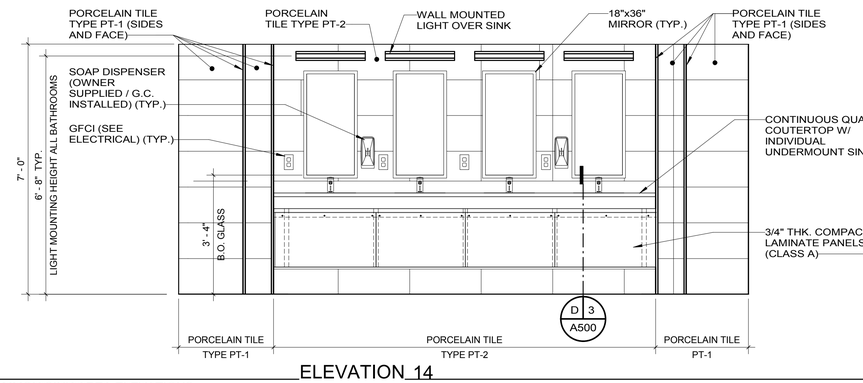
Drawn By:	Checked By:	Date:
IPV	DCS	12/14/2018

Seal & Signature

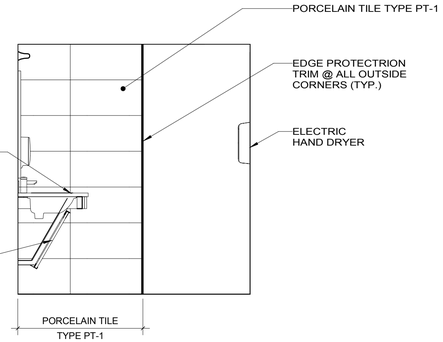
DASNY Project No: 319010-CR12

Drawing Number: A202

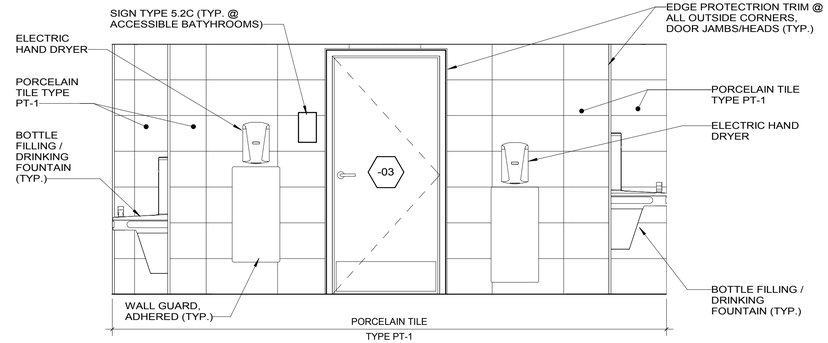
Drawing 29 of 129



ELEVATION 14

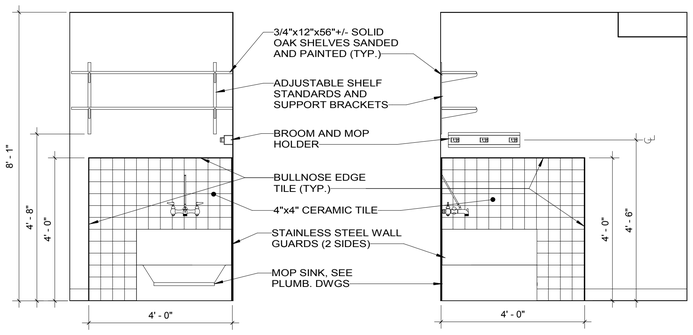


ELEVATION 15



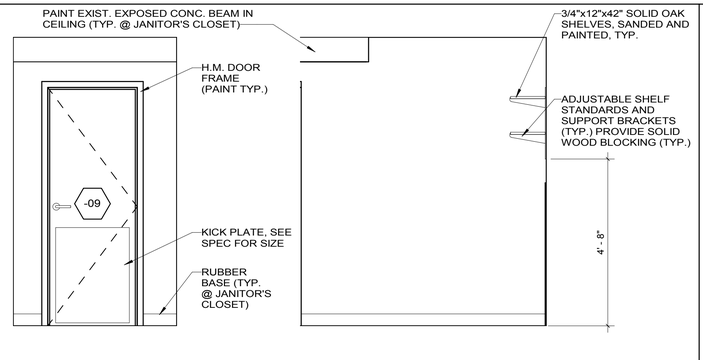
ELEVATION 16

COMMON SINK AREA ELEVATIONS — SCALE: 1/2" = 1'-0"



ELEVATION 9

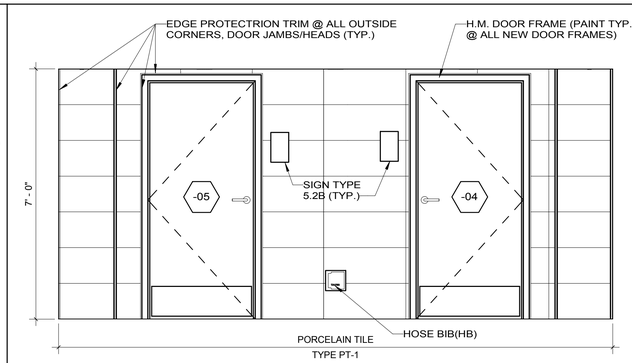
ELEVATION 10



ELEVATION 11

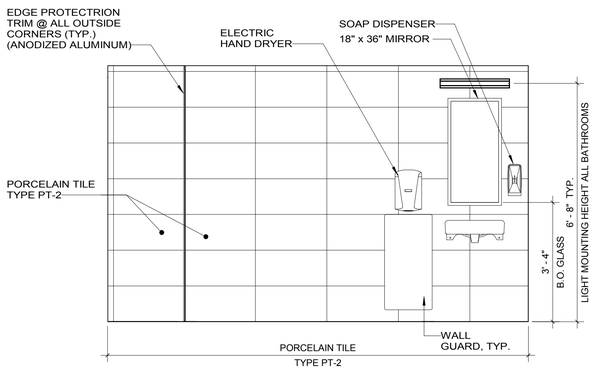
ELEVATION 12

JANITOR'S CLOSET -09 ELEVATIONS — SCALE: 1/2" = 1'-0"

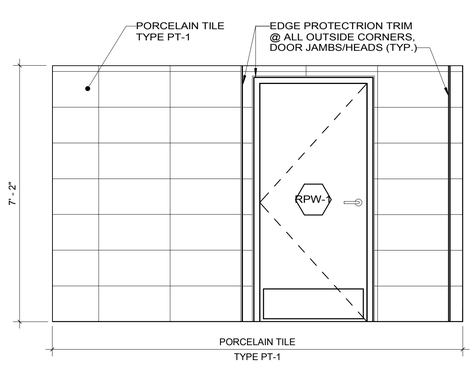


ELEVATION 13

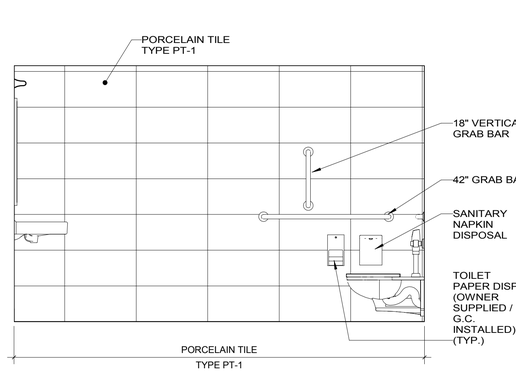
INTERNAL BATHROOM COORIDOR ELEVATIONS — SCALE: 1/2" = 1'-0"



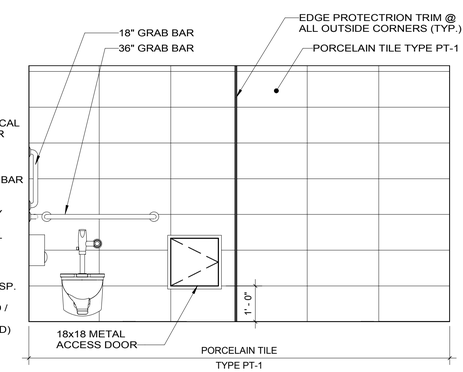
ELEVATION 5



ELEVATION 6

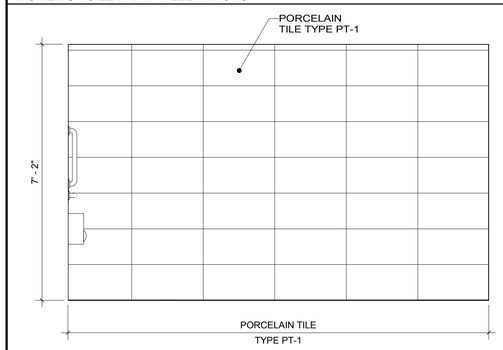


ELEVATION 7

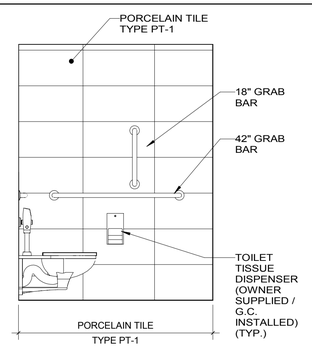


ELEVATION 8

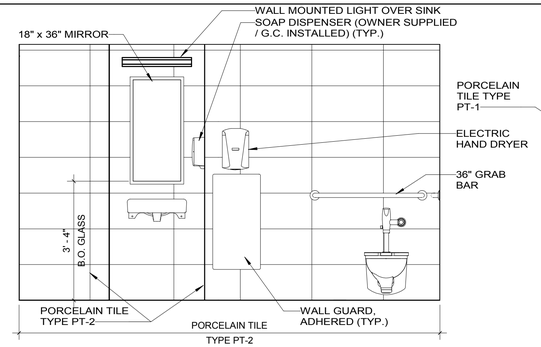
WOMEN'S TOILET RPW-1 ELEVATIONS — SCALE: 1/2" = 1'-0"



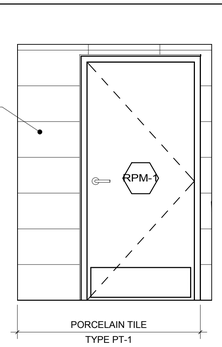
ELEVATION 1



ELEVATION 2



ELEVATION 3



ELEVATION 4

MEN'S TOILET RPM-1 ELEVATIONS — SCALE: 1/2" = 1'-0"

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

INTERIOR ELEVATIONS

Phase

100% SUBMISSION

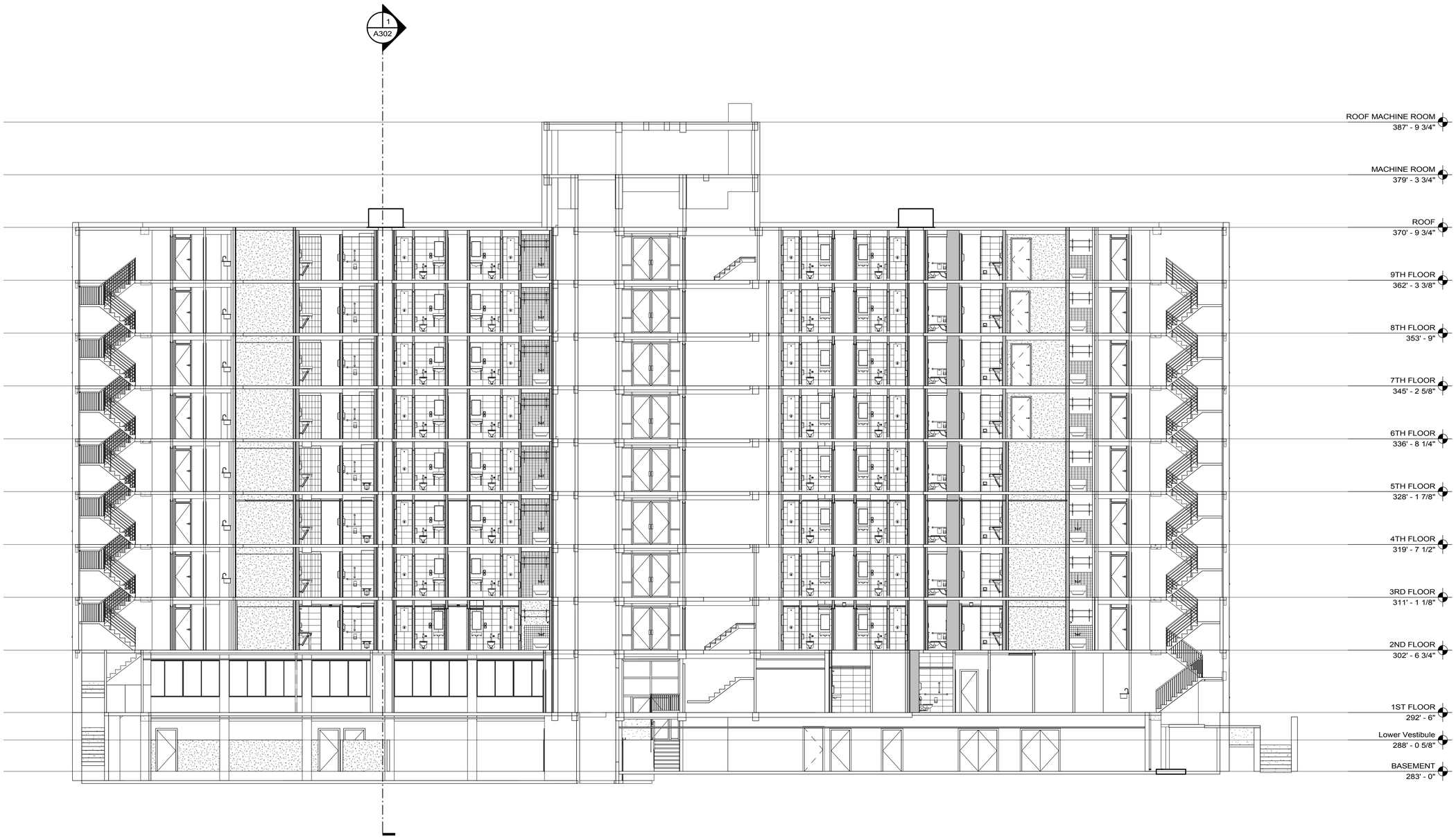
Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number A203

Drawing 30 of 129



1 LONGITUDINAL SECTION

1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

BUILDING SECTIONS

Phase

100% SUBMISSION

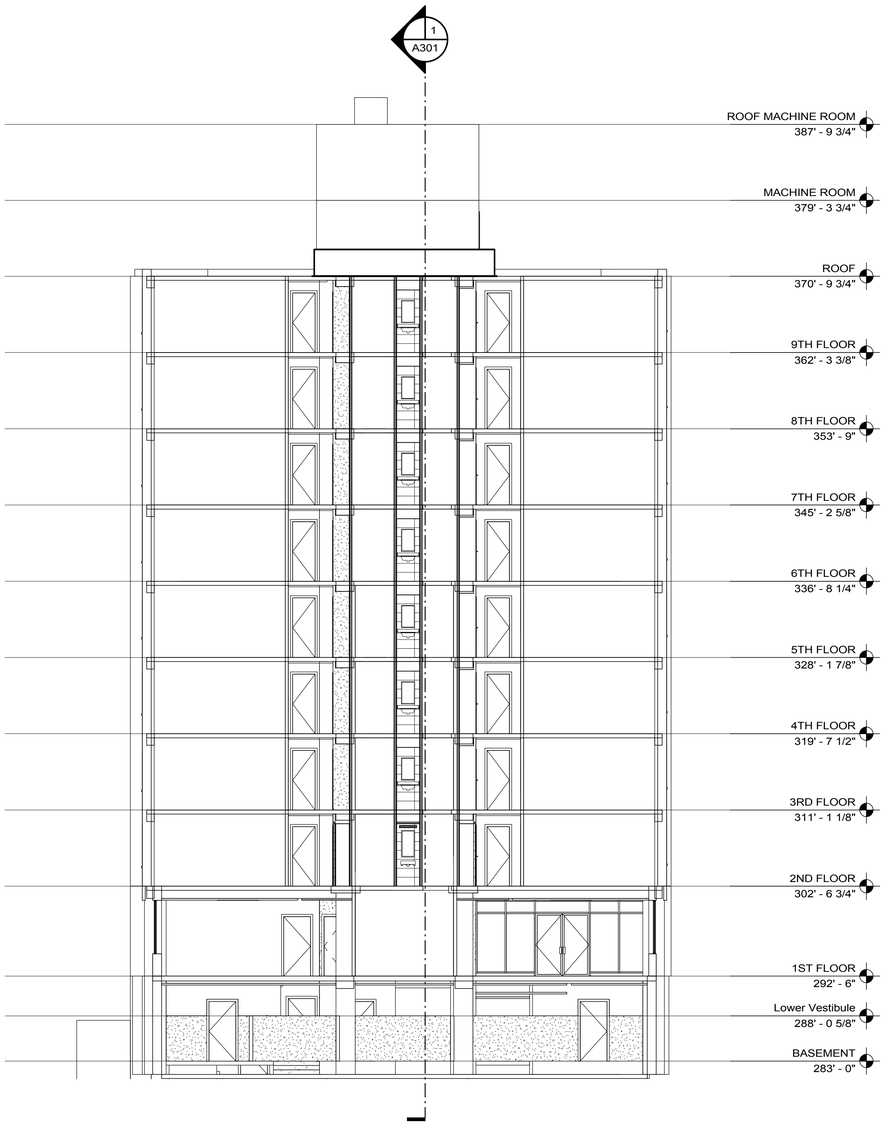
Drawn By:	*Checked By:*	*Date:*
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number A301

Drawing 31 of 129



1 CROSS SECTION

1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

BUILDING SECTIONS

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
DJS	DCS	12/14/2018

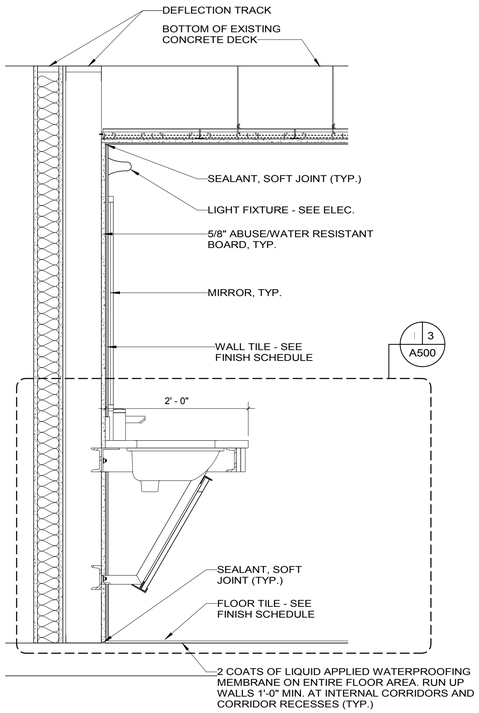
Seal & Signature

DASNY Project No: 319010-CR12

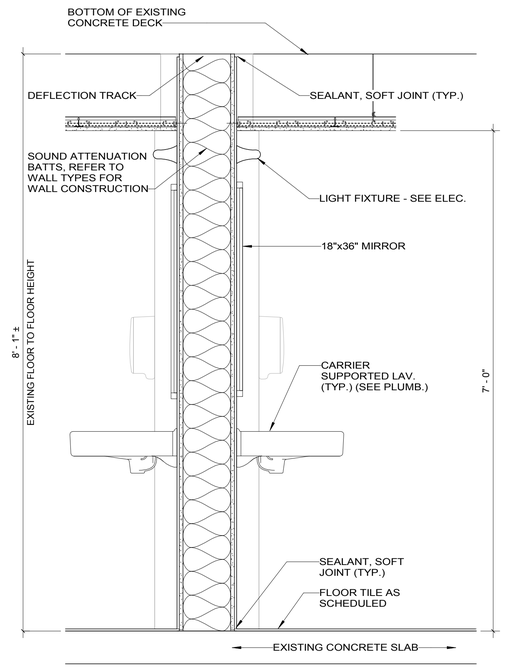
Drawing Number

A302

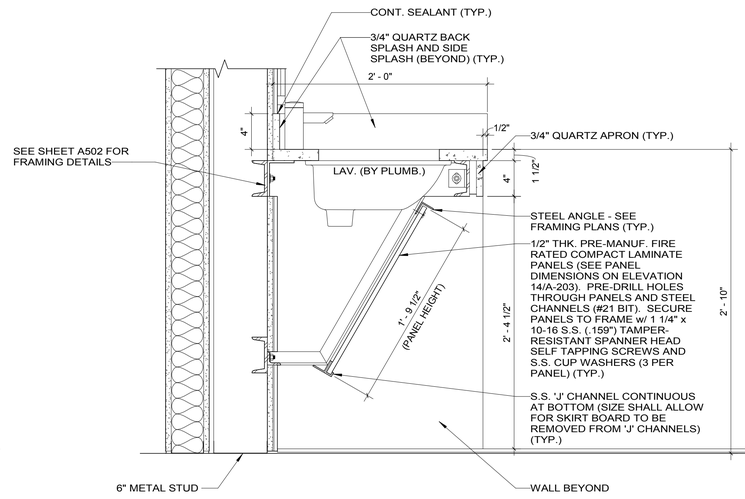
Drawing 32 *of* 129



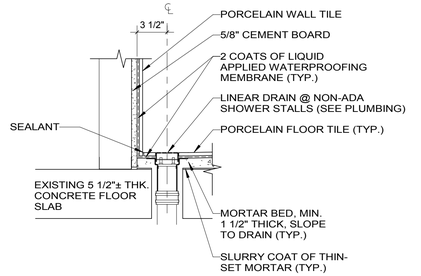
1 COUNTERTOP SINK DETAIL - SECTION
1" = 1'-0"



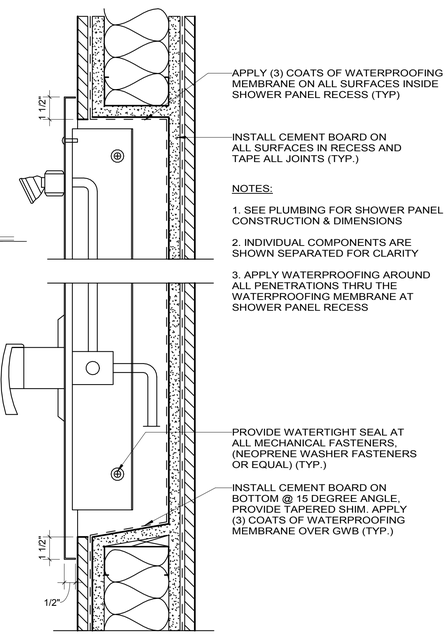
2 TYP. BATHROOM SINK COUNTERTOP SECTION
1" = 1'-0"

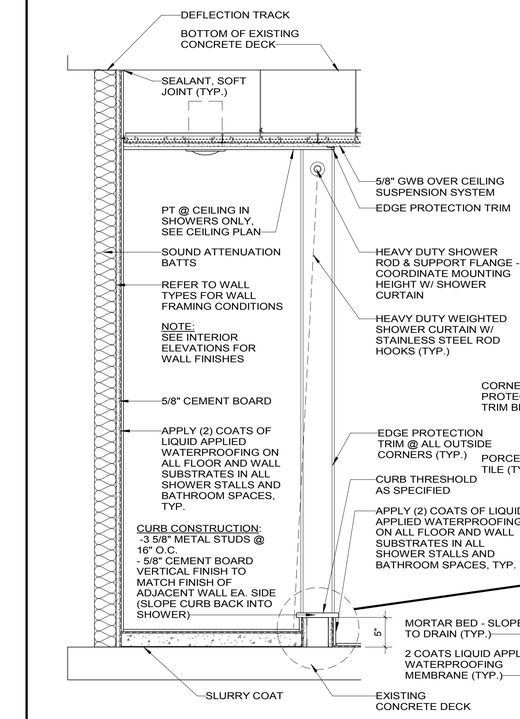


3 COUTERTOP SINK DETAIL
1 1/2" = 1'-0"

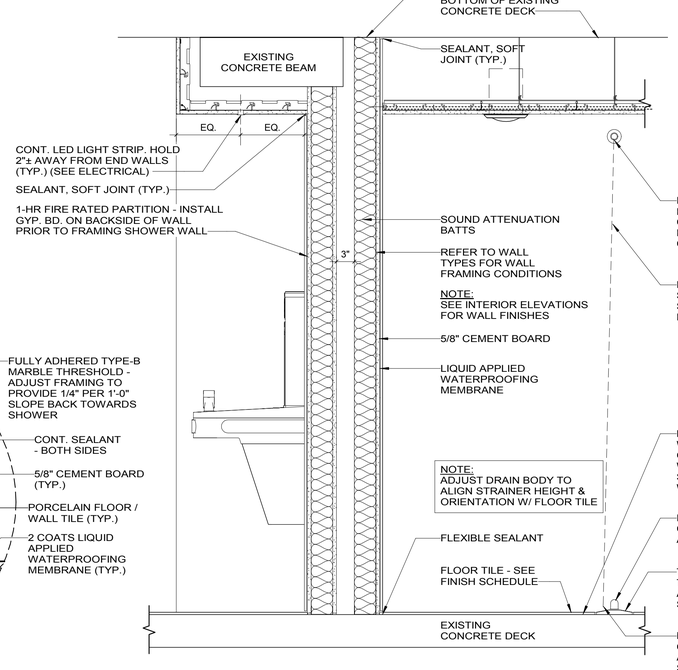


6 LINEAR DRAIN DETAIL
1 1/2" = 1'-0"

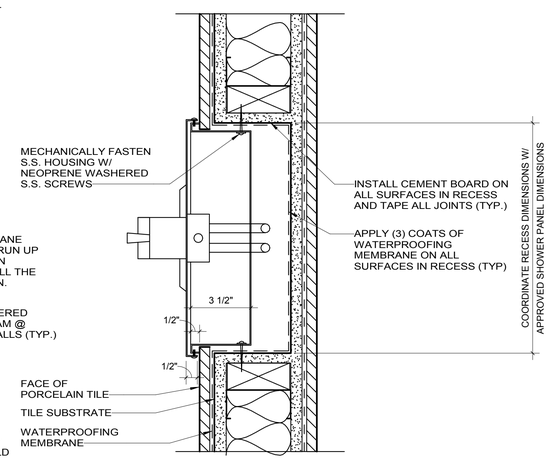




4 SHOWER SECTION @ CURB
1" = 1'-0"



5 ACCESSIBLE SHOWER SECTION
1" = 1'-0"



7 RECESSED SHOWER PANEL DETAILS
3" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: SECTIONS AND DETAILS

Phase: 100% SUBMISSION

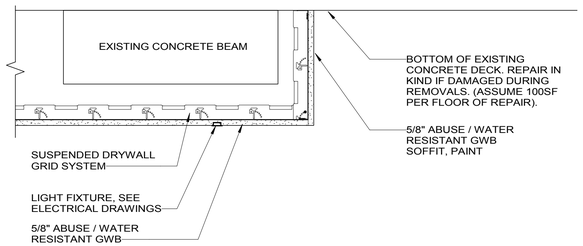
Drawn By:	Checked By:	Date:
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

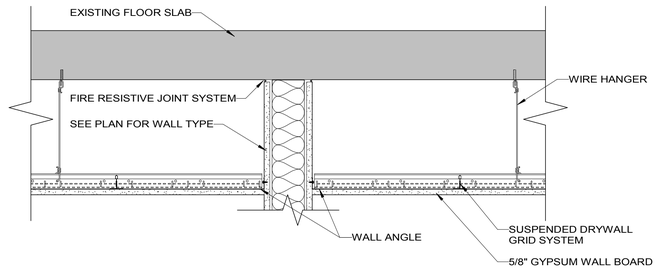
Drawing Number: A500

Drawing 33 of 129



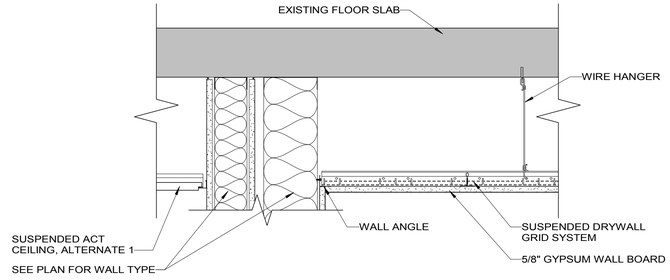
1 CEILING SOFFIT DETAIL

1 1/2" = 1'-0"



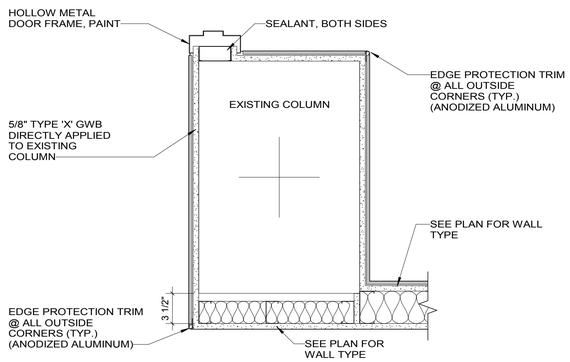
2 SUSPENDED DRYWALL GRID SYSTEM DETAIL AT FIREWALL

1 1/2" = 1'-0"



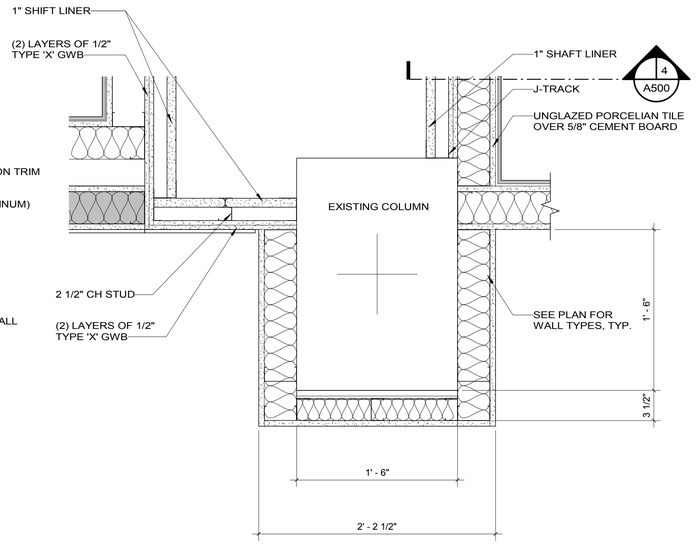
3 SUSPENDED DRYWALL GRID SYSTEM DETAIL

1 1/2" = 1'-0"



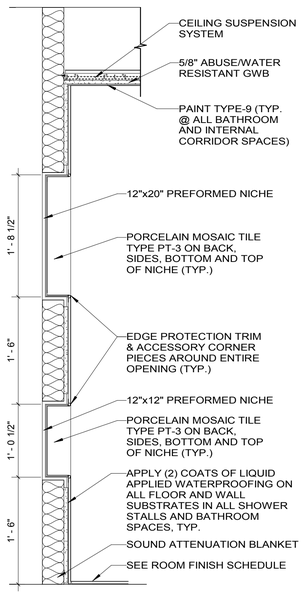
4 PLAN DETAIL @ EXISTING COLUMN

1 1/2" = 1'-0"



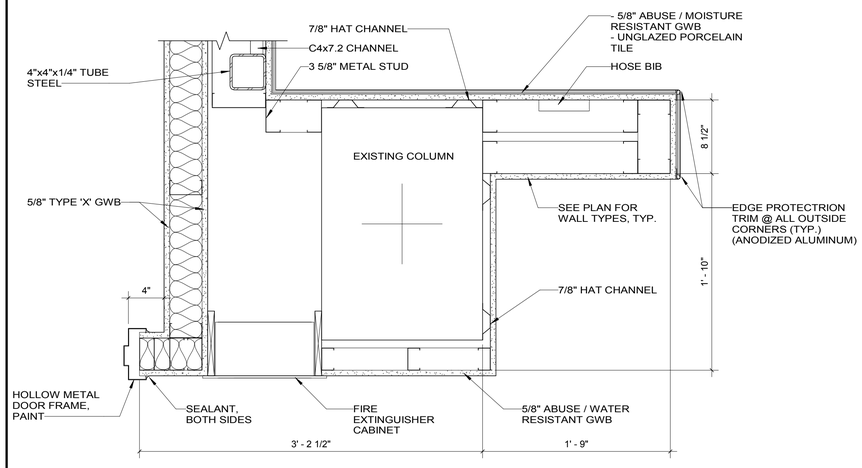
5 PLAN DETAIL @ EXISTING COLUMN 2

1 1/2" = 1'-0"



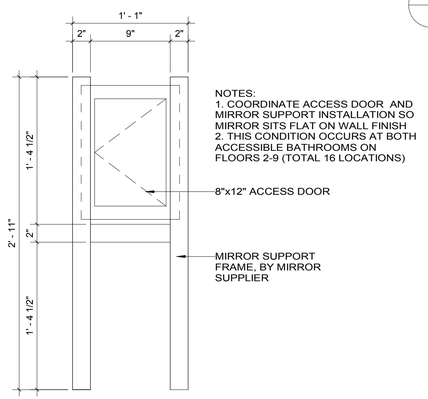
9 SHOWER NICHES DETAIL

1" = 1'-0"



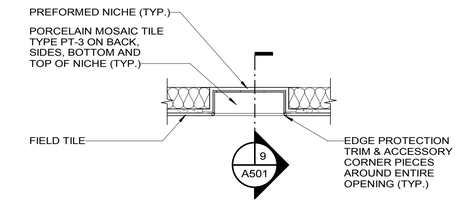
6 PLAN DETAIL @ EXISTING COLUMN 3

1 1/2" = 1'-0"



7 DETAIL AT ACCESS DOOR BEHIND MIRROR

1 1/2" = 1'-0"



8 SHOWER NICHES PLAN

1" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

DETAILS

Phase

100% SUBMISSION

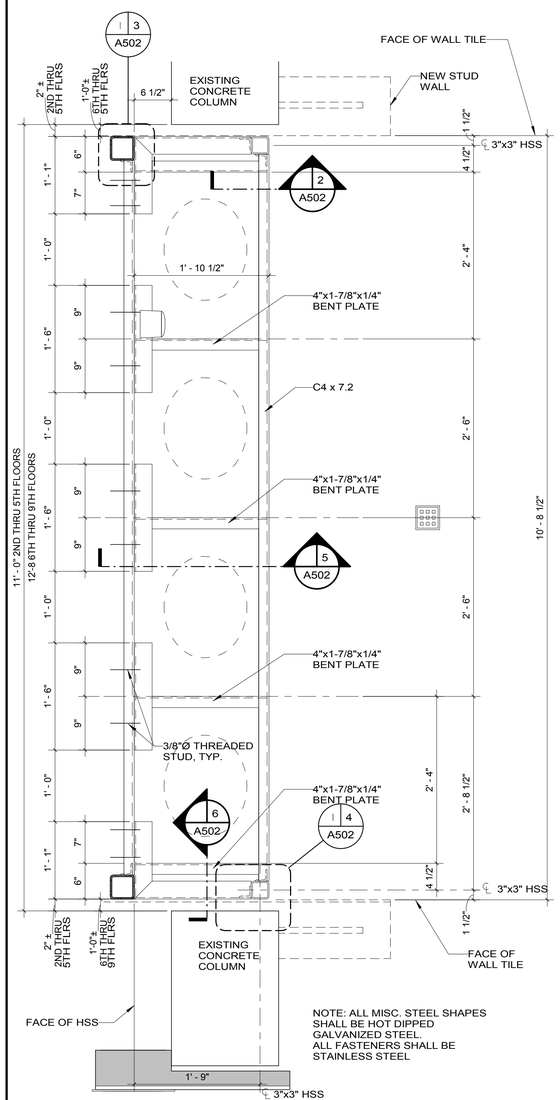
Drawn By:	*Checked By:*	*Date:*
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number A501

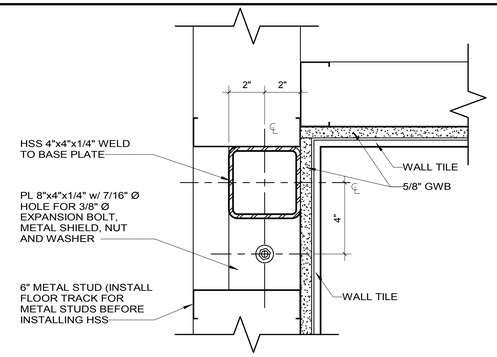
Drawing 34 *of* 129



CORRIDOR SINK FRAMING PLAN

1 | 1

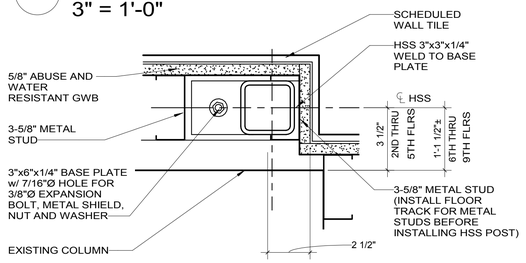
1" = 1'-0"



SINK SUPPORT BASE DETAIL

3 | 1

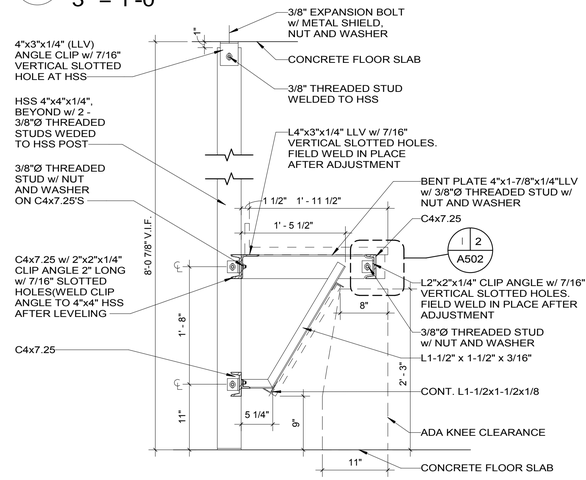
3" = 1'-0"



SINK SUPPORT BASE DETAIL

4 | 1

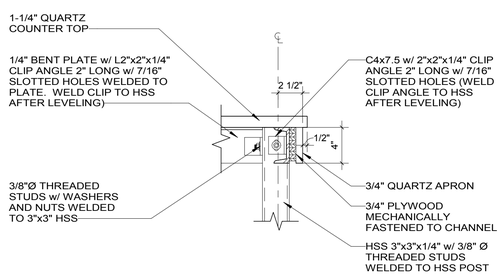
3" = 1'-0"



COUNTERTOP SINK FRAMING SECTION

5 | 1

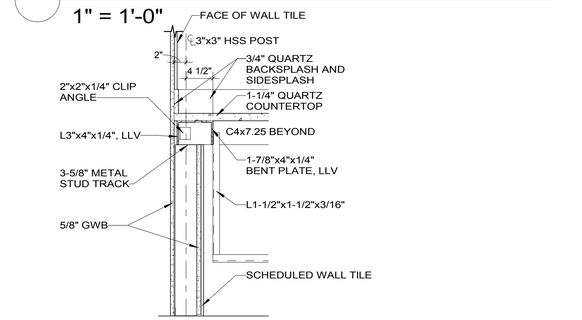
1" = 1'-0"



COUNTERTOP SINK FRAMING AT SINK SUPPORT

2 | 1

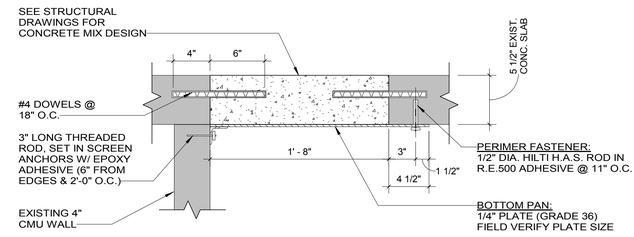
1 1/2" = 1'-0"



COUNTER TOP LOW WALL SECTION

6 | 1

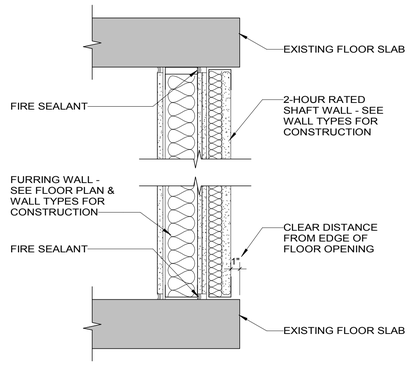
1" = 1'-0"



FLOOR SLAB INFILL

7 | 1

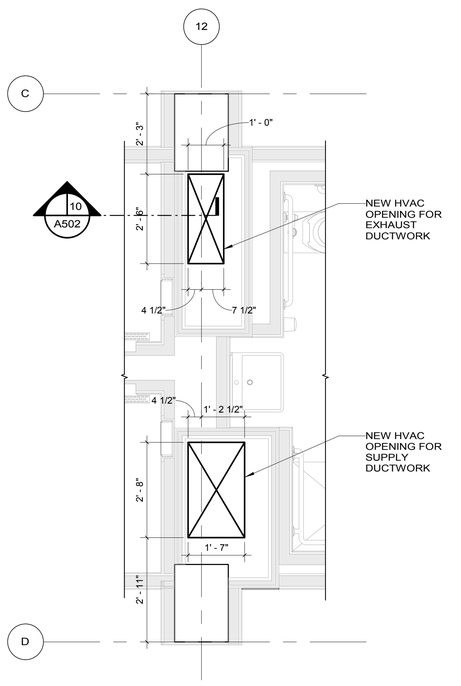
1 1/2" = 1'-0"



SHAFT WALL DETAIL AT FLOOR OPENING

10 | 1

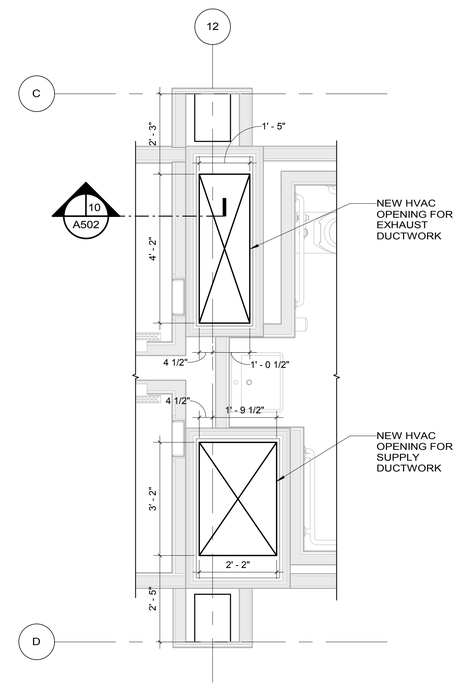
1 1/2" = 1'-0"



2ND FLOOR SHAFT OPENINGS - NORTH

9 | 1

1/2" = 1'-0"



TYP 3RD - 9TH FLOOR SHAFT OPENINGS

8 | 1

1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client: SUNY OSWEGO

Project Title: FUNNELLE HALL BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title: DETAILS

Phase: 100% SUBMISSION

Drawn By:	Checked By:	Date:
IPV	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number: A502

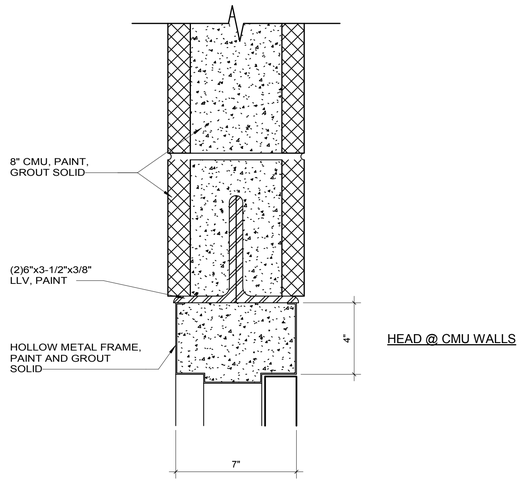
Drawing 35 of 129

DOOR SCHEDULE - BASEMENT & 1st FLOOR

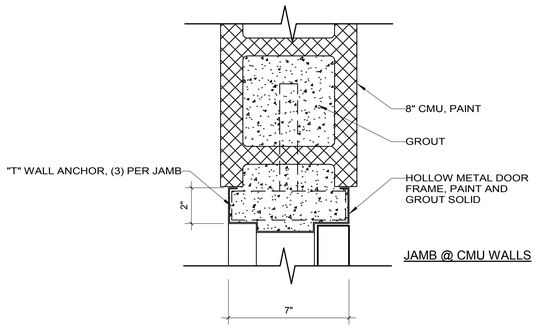
MARK	FRAME				DOOR					THRESHOLD	SILL	DOOR UNDERCUT	LABEL	HARDWARE		GENERAL REMARKS
	WIDTH	HEIGHT	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE					SET NO.	KEYSIDE ROOM NO.	
B9A				H.M.	3' - 0"	7' - 0"	1 3/4"	H.M.	A	-	-	3/4"	45 min.			
B17	6' - 4"	7' - 4"		H.M.	6' - 0"	7' - 0"	1 3/4"	H.M.	A	-	-	3/4"	90 min.	05		
RPM-1	3' - 4"	6' - 10"	EXIST.	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	06		
RPW-1	3' - 4"	6' - 10"	EXIST.	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	06		

DOOR SCHEDULE - TYPICAL FLOORS 2-9

MARK	FRAME				DOOR					THRESHOLD	SILL	DOOR UNDERCUT	LABEL	HARDWARE		GENERAL REMARKS
	WIDTH	HEIGHT	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE					SET NO.	KEYSIDE ROOM NO.	
-00	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.	03		
-01	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.	03		
-03	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	02		
-04	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-05	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-06	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-07	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-08	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.	03		
-09	2' - 10"	6' - 10"	TYPE 1	H.M.	2' - 6"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.	04		
-10	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-11	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-13	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-14	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	01		
-15	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	3/4"	45 min.	02		
-16	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.	03		
-17	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.	03		
-21	3' - 4"	6' - 10"	TYPE 1	H.M.	3' - 0"	6' - 8"	1 3/4"	WOOD	A	-	-	-	45 min.			



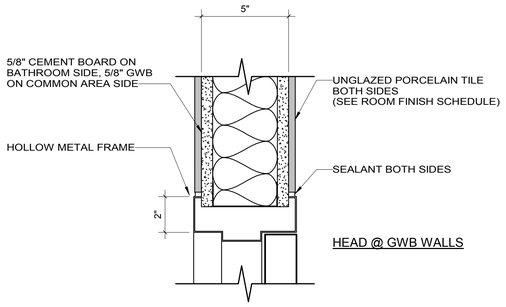
HEAD @ CMU WALLS



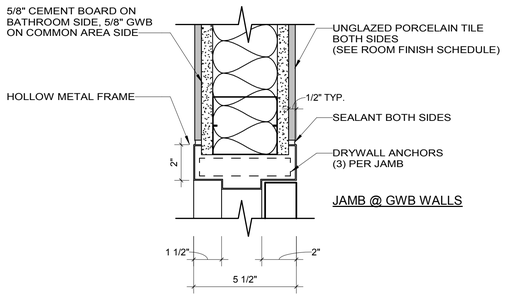
JAMB @ CMU WALLS

DOOR DETAIL - CMU WALL

2 | 3" = 1'-0"



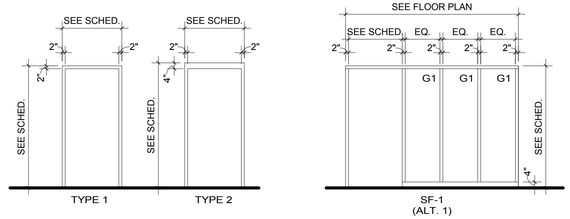
HEAD @ GWB WALLS



JAMB @ GWB WALLS

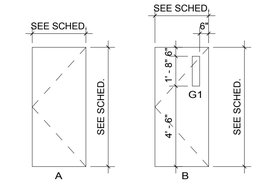
DOOR DETAILS

1 | 3" = 1'-0"



FRAME TYPES

1/4" = 1'-0"



DOOR TYPES

1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No.	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL
BATHROOM RENOVATIONS

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

DOOR SCHEDULE, FRAME TYPES & DETAILS

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No: 319010-CR12

Drawing Number A601

Drawing 36 *of* 129

ROOM SCHEDULE - BASEMENT & FIRST FLOOR

ROOM NAME	ROOM NUMBER	FLOOR MATERIAL	FLOOR FINISH	FLOOR COLOR	BASE MATERIAL	BASE FINISH	BASE COLOR	WALLS MATERIAL	WALLS FINISH	WALLS COLOR	CEILING MATERIAL	CEILING HEIGHT	CEILING FINISH	CEILING COLOR	GENERAL REMARKS
BASEMENT															
FIRE ALARM ROOM	B9A	VCT	-	-	RB-2	-	-	GWB	PAINT TYPE 3	SEE SPEC	EXIST. CONCRETE	10' - 6"	-	-	
LOUNGE	B14	EXISTING VCT	-	-	EXIST. RB	-	-	EXISTING GWB	-	-	AC-BD #3	10' - 6"	-	SEE SPEC	REINSTALL EXISTING CEILING GRID & TILE
MAIN ELEC ROOM	B17	EXIST. CONCRETE						EXIST. CMU	PAINT TYPE 5	SEE SPEC	EXIST. CONCRETE	10' - 6"	-	-	
TRANSFORMER VAULT	B18	EXIST. CONCRETE						EXIST. CMU	PAINT TYPE 5	SEE SPEC	EXIST. CONCRETE	10' - 6"	-	-	
CORRIDOR	B20	VCT	-	SEE SPEC	RB-3	-	SEE SPEC	EXIST. PLASTER	PAINT TYPE 3	SEE SPEC	AC-BD #1	7' - 0"	-	SEE SPEC	PROVIDE VCT & WALL BASE ONLY IN ALCOVE AT DOOR NUMBER B17, CORRIDOR SIDE
MECHANICAL ROOM	MCR-BN	EXIST. CONCRETE	-	-				EXIST. CMU	-	-	EXIST. CONCRETE	10' - 6"	-	-	
1ST FLOOR															
STUDENT LOUNGE	133	EXIST. CARPET	-	-	RB-3	-	-	GWB	PAINT TYPE 3	SEE SPEC	AC-BD #2	8' - 6"	-	SEE SPEC	PAINT WALLS & PROVIDE BASE ONLY AT NEW WALLS ADJACENT TO ELECTRICAL PANELS
FIRE COMMAND CENTER	FCC-1	EXIST. CONCRETE						GWB	PAINT TYPE 3	SEE SPEC	AC-BD #2	7' - 0"	-	SEE SPEC	
MENS TOILET	RPM-1	TILE	-	-	TILE	-	-	TILE	-	-	AC-BD #2	7' - 0"	-	SEE SPEC	
WOMENS TOILET	RPW-1	TILE	-	-	TILE	-	-	TILE	-	-	AC-BD #2	7' - 0"	-	SEE SPEC	

ROOM NUMBER LEGEND

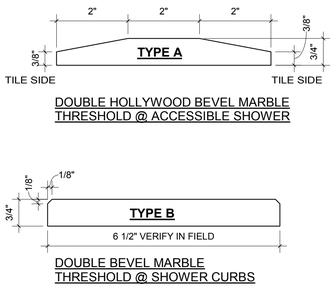
ROOM NAME
-04
FIRST NUMBER IN ROOM NUMBER IS BUILDING FLOOR

EXAMPLE:

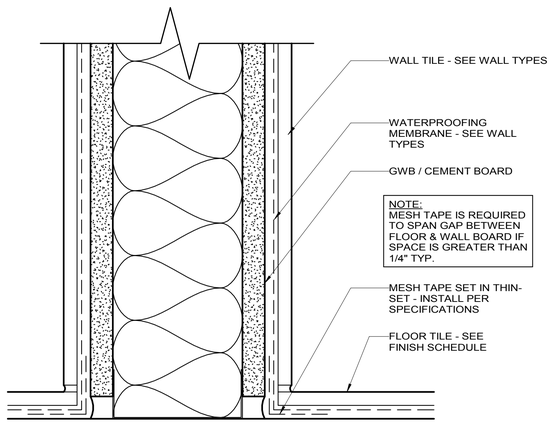
BATHROOM
304
THIRD FLOOR

ROOM SCHEDULE - TYPICAL FLOORS 2-9

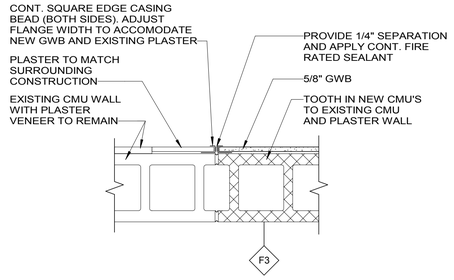
ROOM NAME	ROOM NUMBER	FLOOR MATERIAL	FLOOR FINISH	FLOOR COLOR	BASE MATERIAL	BASE FINISH	BASE COLOR	WALLS MATERIAL	WALLS FINISH	WALLS COLOR	CEILING MATERIAL	CEILING HEIGHT	CEILING FINISH	CEILING COLOR	GENERAL REMARKS
STORAGE	-00	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	GWB	PAINT TYPE 3	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
STORAGE	-01	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	GWB	PAINT TYPE 3	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
INTERNAL CORRIDOR AND COMMON SINK AREA	-02	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PORC. TILE	GLAZED	-	GWB	7' - 0"	PAINT TYPE 10	SEE SPEC	
INTERNAL CORRIDOR	-02A	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PORC. TILE	GLAZED	-	GWB	7' - 0"	PAINT TYPE 10	SEE SPEC	
ADA BATHROOM	-03	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
BATHROOM	-04	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
BATHROOM	-05	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
TOILET ROOM	-06	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
BATHROOM	-07	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
DATA CLOSET	-08	EXIST. CONCRETE	SEALED	-	-	-	-	GWB	PAINT	-	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
JANITOR'S CLOSET	-09	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	-	-	-	PORC. TILE	GLAZED	-	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
BATHROOM	-10	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
BATHROOM	-11	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
INTERNAL CORRIDOR	-12	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 10	SEE SPEC	
INTERNAL CORRIDOR AND COMMON SINK AREA	-12A	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 10	SEE SPEC	
BATHROOM	-13	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
BATHROOM	-14	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
ADA BATHROOM	-15	PT-3	UNGLAZED	SEE SPEC	PORC. TILE	GLAZED	SEE SPEC	PT-1 / PT-2	GLAZED	-	GWB	7' - 0"	PAINT TYPE 9	SEE SPEC	SEE INTERIOR ELEVATIONS FOR WALL TILE TYPES
STORAGE	-16	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	EXIST. CMU	PAINT TYPE 5	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
STORAGE	-17	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	EXIST. CMU	PAINT TYPE 5	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
JANITOR'S CLOSET	-20	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	EXIST. TILE / GWB / TILE			EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
STORAGE ROOM	-21	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	EXIST. CMU / GWB	PAINT TYPE 5 / PAINT TYPE 3	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
FIRE ALARM ROOM	-22	EXIST. CONCRETE	EPOXY COATING 1	SEE SPEC	RB-2	-	SEE SPEC	EXIST. CMU	PAINT TYPE 5	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
LINEN CLOSET	-22A	VCT	-	SEE SPEC	RB-1	-	SEE SPEC	EXIST. CMU / GWB	PAINT TYPE 5 / PAINT TYPE 3	SEE SPEC	EXIST. CONCRETE	8' - 1"	PAINT TYPE 8	SEE SPEC	
CORRIDOR	-38N	VCT	-	SEE SPEC	RB-1	-	SEE SPEC	GWB / PT-1 / PT-2	PAINT TYPE 2 / GLAZED	SEE SPEC	EXIST. CONCRETE	8' - 1"	-	-	SEE FLOOR PLANS FOR EXTENT OF VCT REPLACEMENT
CORRIDOR	-38S	VCT	-	SEE SPEC	RB-1	-	SEE SPEC	GWB / PT-1 / PT-2	PAINT TYPE 2 / GLAZED	SEE SPEC	EXIST. CONCRETE	8' - 1"	-	-	SEE FLOOR PLANS FOR EXTENT OF VCT REPLACEMENT



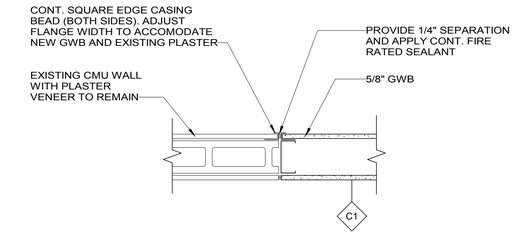
1 THRESHOLD PROFILES
6" = 1'-0"



2 WALL BOARD FLOOR DETAIL
6" = 1'-0"



3 NEW WALL TRANSITION JOINT 1
1 1/2" = 1'-0"



4 NEW WALL TRANSITION JOINT 2
1 1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA,
ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
BATHROOM RENOVATIONS
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ROOM SCHEDULES & FINISH DETAILS

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
DJS	DCS	12/14/2018

Seal & Signature

DASNY Project No:
319010-CR12

Drawing Number
A602

Drawing 37 of 129

FIRE PROTECTION SYMBOLS

FP	SPRINKLER PIPING
F.C.V.	FLOOR CONTROL VALVE ASSEMBLY
	ALARM CHECK VALVE ASSEMBLY
FS	FLOW SWITCH

ABBREVIATIONS

CONT	CONTINUE
DCV	DOUBLE CHECK VALVE
DN	DOWN
DWG	DRAWING
FP	FIRE PROTECTION
GPM	GALLONS PER MINUTE
NTS	NOT TO SCALE
RPZ	REDUCED PRESSURE ZONE
SQFT	SQUARE FEET

GENERAL NOTES

A. DO NOT SHUT DOWN ANY FIRE PROTECTION OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT.

B. IF REQUIRED, PROVIDE SHUT DOWNS AND TIE-INS DURING OFF HOURS TO AVOID DISRUPTION OF BUILDING SYSTEMS. COORDINATE ALL SHUT DOWN REQUIREMENTS PRIOR TO SUBMITTING BID (INCLUDE ALL REQUIRED DURING OFF HOURS IN BID).

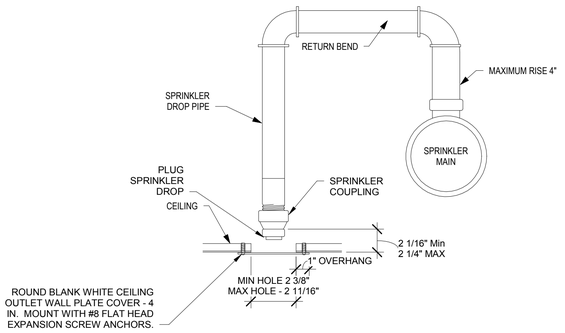
C. PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.

D. FIELD VERIFY EXACT LOCATION, DEPTH, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.

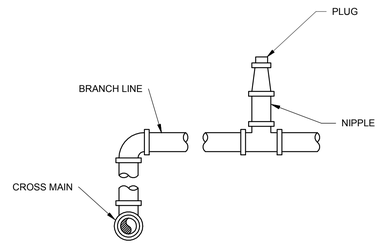
E. PROVIDE CUTTING, CORING AND PATCHING OF ALL WALLS, SLABS AND DECKS AS REQUIRED FOR WORK SHOWN. COORDINATE ALL WORK WITH OWNER AND GENERAL CONTRACTOR AND ALL TRADES.

F. WHERE PIPING IS LOCATED OVER FOOTINGS AND/OR OTHER UNDERGROUND STRUCTURES, ROLL DOWN AS REQUIRED TO CONNECT TO SYSTEMS NOTED. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS.

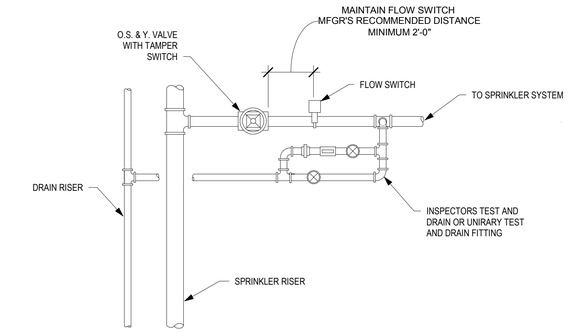
G. PIPING SIZES AND SPRINKLER HEAD LOCATIONS SHOWN ON DRAWINGS ARE FOR ESTIMATING PURPOSES ONLY. FINAL SIZES AND LOCATIONS SHALL BE PROVIDED VIA APPROVED, STAMPED SHOP DRAWINGS AS PER SPECIFICATIONS.



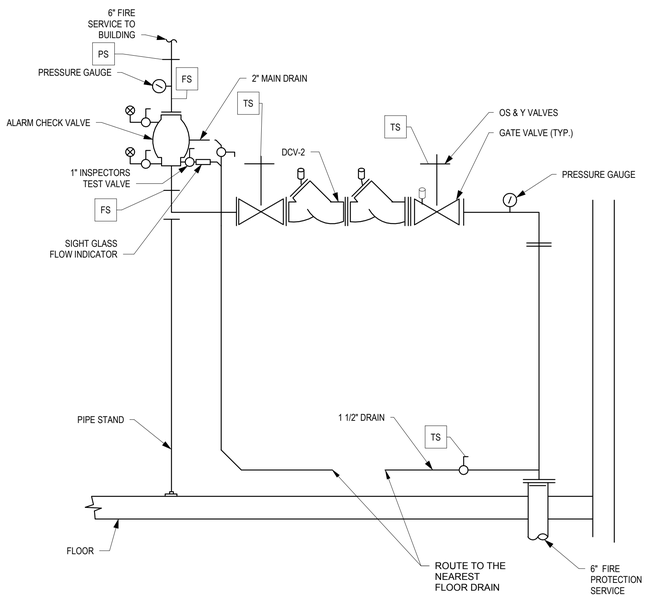
1 RECESSED PENDANT SPRINKLER HEAD DETAIL
NTS



2 UPRIGHT SPRINKLER HEAD DETAIL
NTS



3 TYPICAL STANDPIPE AND HOSE RISER DETAIL
NTS



4 DOUBLE CHECK VALVE INSTALLATION DETAIL
NTS

DOUBLE CHECK VALVE SCHEDULE

MARK	MANUFACTURER	MODEL	QTY	LOCATION	CONNECTION SIZE (NPS)	DESIGN FLOW (GPM)	MAXIMUM PRESSURE DROP (FT H2O)	REQUIRED ACCESSORIES/ NOTES	COMMENTS
DCV-2	WATTS	LF709	1	BASEMENT	6"	550	6	PROVIDE OS&Y VALVES, TAMPER SWITCHES, AND DRAIN.	

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRE PROTECTION LEGEND

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK · KAL L. WYFELS · LICENSED PROFESSIONAL ENGINEER · 065623

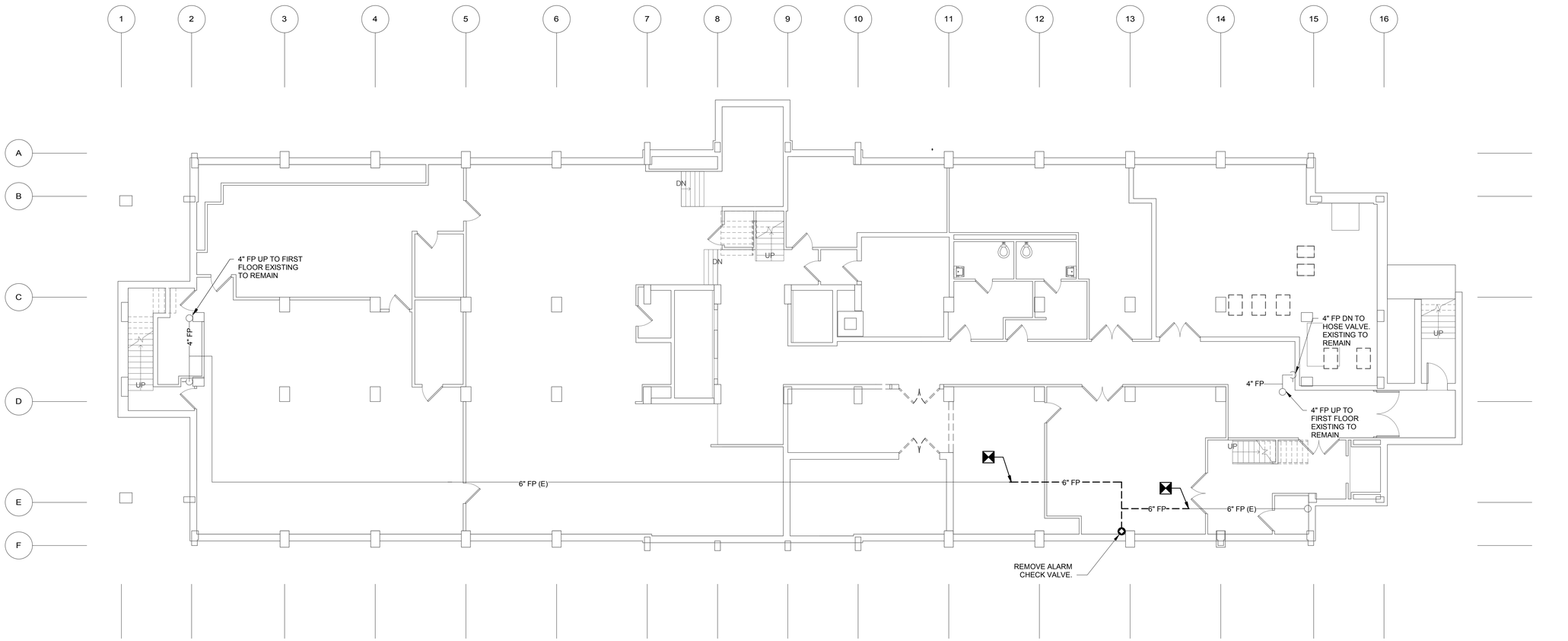
DASNY Project No: 319010-CR12

Drawing Number FP001

Drawing 38 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



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

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT FIRE PROTECTION DEMO PLAN

Phase
100% SUBMISSION

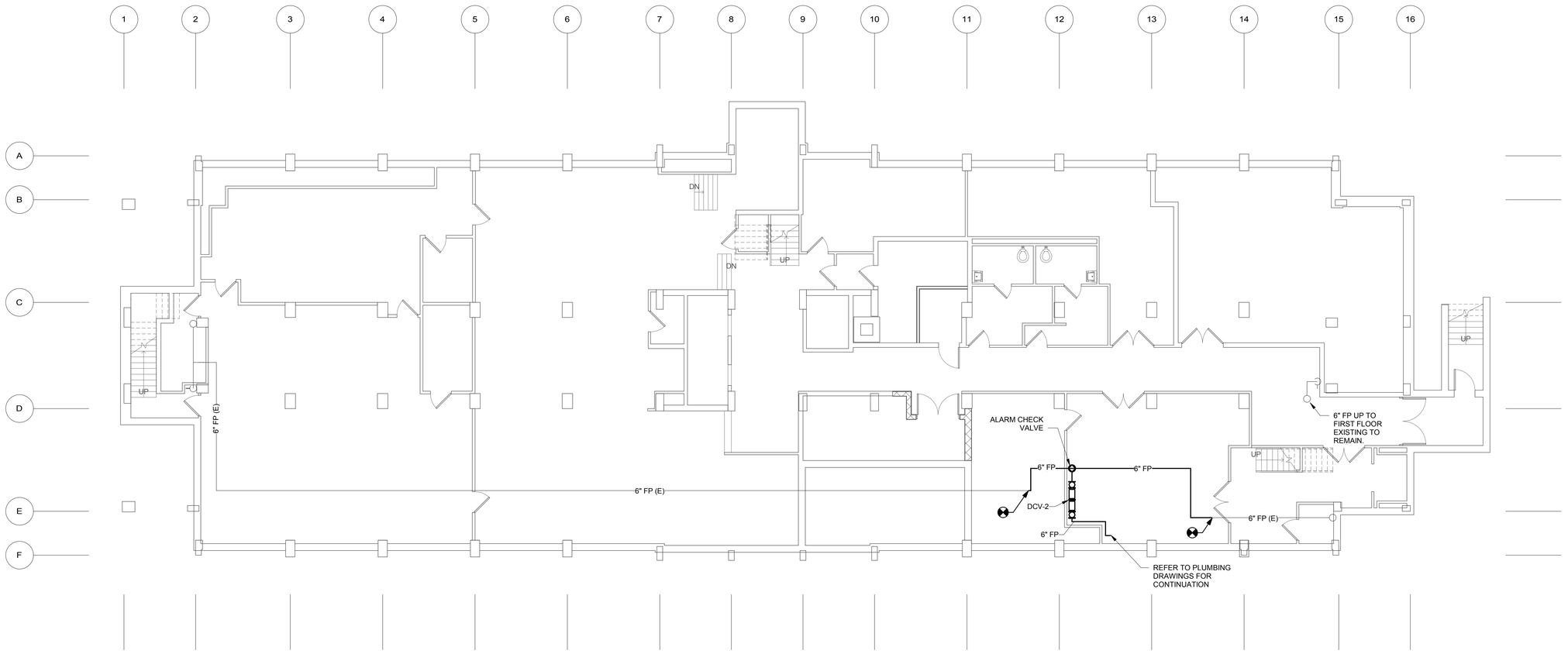
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · ADAM L WYFFELS · 085523 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
FPD100

Drawing
39 of 129



1 BASEMENT FIRE PROTECTION PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT FIRE PROTECTION PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · KARL L. WYFFELS · 085523 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number FP100

Drawing 40 of 129

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

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR FIRE PROTECTION PLAN

Phase
100% SUBMISSION

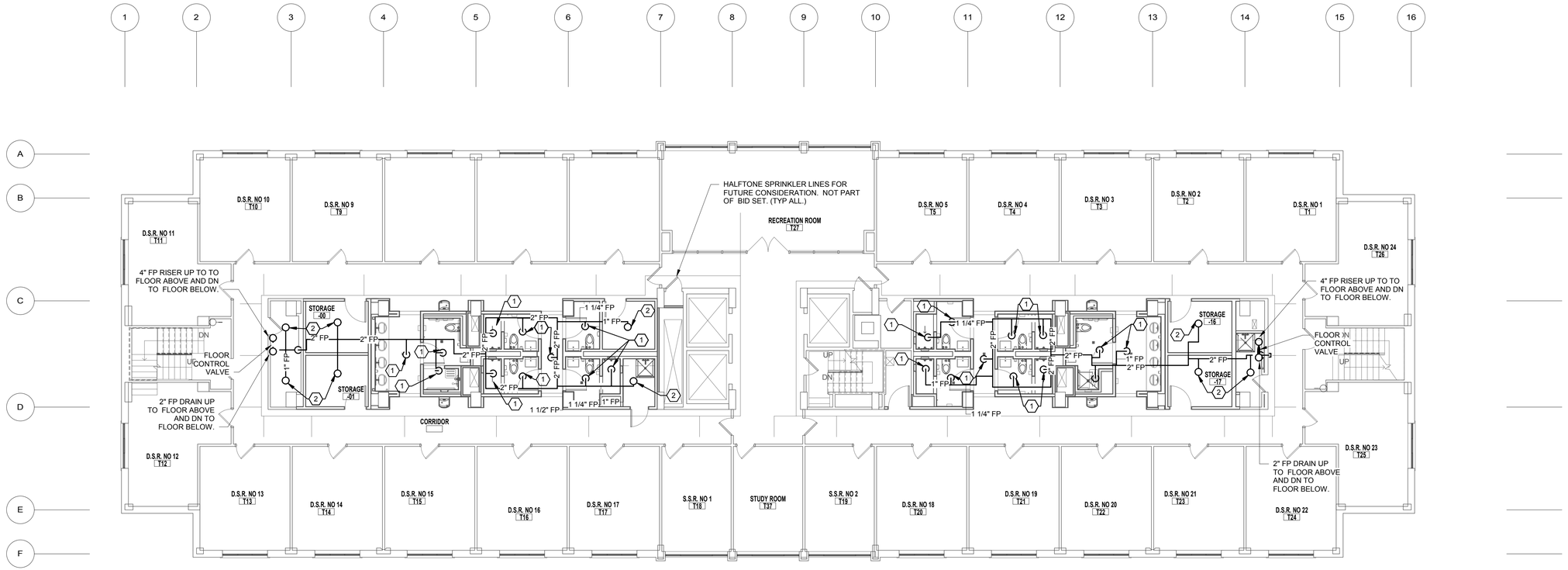
Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK KARL L. WYFFELS LICENSED PROFESSIONAL ENGINEER 085623

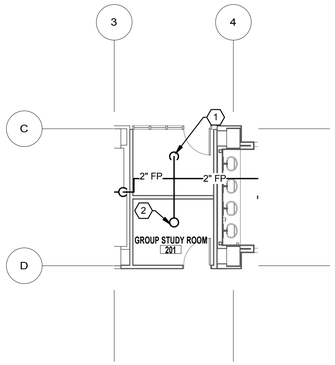
DASNY Project No: 319010-CR12

Drawing Number FP101

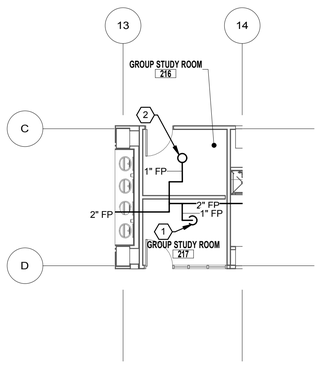
Drawing 41 of 129



1 TYP FLOORS 2-9 FIRE PROTECTION PLAN
1/8" = 1'-0"



2 SOUTH GROUP STUDY ROOMS (PART OF ALTERNATE 1)
1/8" = 1'-0"



3 NORTH GROUP STUDY ROOMS (PART OF ALTERNATE 1)
1/8" = 1'-0"

KEYNOTES

1.) DROP 1" BRANCH LINE DN AND PLUG ABOVE CEILING FOR FUTURE SPRINKLER INSTALLATION. SEE DETAIL 1/FP001.
2.) RISE 1" BRANCH LINE AND PLUG FOR FUTURE SPRINKLER INSTALLATION. SEE DETAIL 2/FP001.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-9 FIRE PROTECTION PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK · JOAL L. WYFELS · 065523 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number FP102

Drawing 42 of 129

1 FIRE PROTECTION RISER DIAGRAM
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRE PROTECTION RISER DIAGRAM

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · MARK L. WYFFELS · 085620 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number FP401

Drawing 43 *of* 129

PLUMBING SYMBOLS

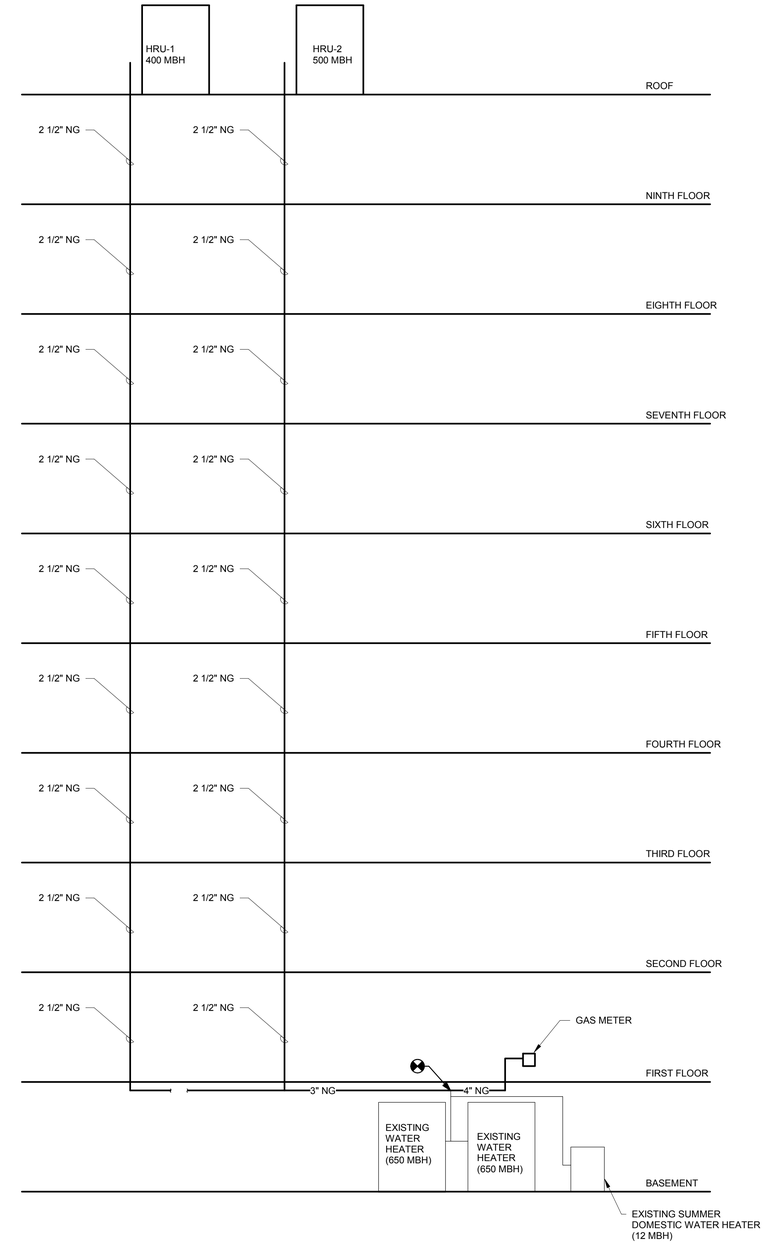
W — WATER SERVICE (DOMESTIC OR COMBINED) DOMESTIC COLD WATER (SUPPLY, CW) DOMESTIC HOT WATER (SUPPLY, HW)	CHECK VALVE	COMPRESSED AIR QUICK DISCONNECT W/ CHECK
DOMESTIC HOT WATER RECIRCULATION	BALANCING VALVE	COMPRESSED AIR QUICK DISCONNECT W/O CHECK
SAN — SANITARY DRAIN/SEWER (ABOVE GRADE)	ANGLE VALVE	STEAM TRAP
SAN — SANITARY DRAIN/SEWER (BELOW GRADE)	PRESSURE REDUCING VALVE	PUMP (SCHEMATIC)
V — SANITARY VENT PIPING	PNEUMATIC VALVE	IN-LINE PUMP (PLAN)
ST — STORM DRAIN SEWAGE (ABOVE GRADE)	PNEUMATIC CONTROL VALVE (3 WAY)	FLEX CONNECTION
ST — STORM DRAIN SEWAGE (BELOW GRADE)	SOLENOID OR MOTORIZED VALVE	EXPANSION JOINT WITH GUIDES
SST — SECONDARY STORM DRAIN SEWAGE (ABOVE GRADE)	SOLENOID OR MOTORIZED CONTROLVALVE (3 WAY)	PIPE ANCHOR
SST — SECONDARY STORM DRAIN SEWAGE (BELOW GRADE)	TRIPLE DUTY VALVE	PIPE GUIDE
GW — GREASE WASTE (BELOW GRADE)	RELIEF VALVE	FLOOR DRAIN OR FLOOR SINK (FD)
EXISTING PIPING TO REMAIN	TEMPERATURE & PRESSURE RELIEF VALVE	FLOOR CLEAN OUT (PLAN VIEW) (FCO)
EXISTING PIPING TO BE REMOVED	HOSE BIBB OR DRAIN VALVE	CLEAN OUT (CO)
PIPE TURNED UP	STRAINER	EQUIPMENT TO BE REMOVED
PIPE TURNED DOWN	UNION	EXISTING EQUIPMENT TO REMAIN
BRANCH OFF BOTTOM OF PIPE	FLANGE	PIPE CONTINUATION
BRANCH OFF TOP OF PIPE	PRESSURE GAUGE	NEW CONNECTION TO EXIST.
VALVE ON VERTICAL	THERMOMETER	REMOVE TO THIS POINT
VALVE(S) IN VERTICAL PIPE	WHA — WATER HAMMER ARRESTER	KEYNOTE (X)
REDUCER	P-TRAP	DEMOLITION KEYNOTE (X)
PIPE BREAK	BALANCE COCK	RISER NO. (X)
BALL VALVE	GAS COCK	
BUTTERFLY VALVE	VENT THRU ROOF	
GATE VALVE - NRS		
GATE VALVE - OS&Y		
GLOBE VALVE		
PLUG VALVE		
SHUT-OFF VALVE (GATE, BALL, OR BUTTERFLY - REFER TO SPECS)		

GENERAL NOTES

1. DO NOT SHUT DOWN ANY PLUMBING, NATURAL GAS, OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT.
2. IF REQUIRED, PROVIDE SHUT DOWNS AND TIE-INS DURING OFF HOURS TO AVOID DISRUPTION OF BUILDING SYSTEMS. COORDINATE ALL SHUT DOWN REQUIREMENTS PRIOR TO SUBMITTING BID (INCLUDE ALL REQUIRED DURING OFF HOURS IN BID).
3. PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.
4. PROVIDE CUTTING, CORING AND PATCHING OF ALL WALLS, SLABS AND DECKS AS REQUIRED FOR WORK SHOWN. COORDINATE ALL WORK WITH OWNER AND GENERAL CONTRACTOR AND ALL TRADES.
5. PITCH ALL SANITARY, WASTE, AND STORM PIPING AS FOLLOWS: PIPING 3" AND SMALLER, PITCH AT 2 PERCENT (1/4" PER FOOT) MINIMUM, PIPING 4" AND LARGER, PITCH AT 1 PERCENT (1/8" PER FOOT) MINIMUM.
6. COORDINATE ALL VENT TERMINATIONS ABOVE ROOF WITH HVAC CONTRACTOR. ALL VENT TERMINATIONS ABOVE ROOF SHALL BE A MINIMUM 25'-0" AWAY FROM ANY HVAC OUTSIDE AIR INTAKE (ROOFTOP UNIT, LOUVER, ETC.).
7. PROVIDE BARRIER TYPE SEAL DEVICE ON ALL FLOOR DRAINS.
8. REFER TO ARCHITECTURAL DRAWINGS AND THE PROJECT SPECIFICATIONS FOR ANY PROJECT PHASING REQUIREMENTS.
9. THE EXISTING PIPING INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.
10. THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
11. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTIONS, TAP-ON FEES, ETC.
12. CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUTDOWN WITH THE OWNER 48 HOURS IN ADVANCE.
13. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY PIPING & PLUMBING FITTINGS, PIPING, MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL PLUMBING RELATED ITEMS.
14. ALL WORK SHALL BE COORDINATED WITH THE EQUIPMENT VENDORS.
15. ALL PLUMBING & PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE STATE AND LOCAL CODE REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.
16. ALL PIPING PENETRATIONS THROUGH NEW, EXISTING WALL, OR FLOOR SHALL BE SEALED TO EQUAL THE RATING OF THE NEW, EXISTING WALL OR FLOOR.
17. THE PLUMBING SYSTEM SHALL BE TESTED AS REQUIRED BY STATE AND LOCAL CODE OR BY THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTOR.
18. THE ENTIRE DOMESTIC WATER SYSTEM (EXISTING/NEW) SHALL BE DISINFECTED IN ACCORDANCE TO THE LOCAL CODE & HEALTH DEPARTMENT REQUIREMENTS.
19. THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER STATE AND LOCAL CODE & PER AUTHORITY HAVING JURISDICTION REQUIREMENTS.
20. ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
21. COORDINATE REMOVAL OF ALL PIPING, INSULATION, VALVES AND MECHANICAL EQUIPMENT WITH THE HAZMAT DRAWINGS. REFER TO THE HAZMAT DRAWINGS FOR COORDINATION.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	OD	OUTSIDE DIMENSION
AP	ACCESS PANEL	ODWH	ON DEMAND WATER HEATER
-	-	OPG	OPENING
BFP	BACK FLOW PREVENTOR	OS	OPEN SITE
BP	BOOSTER PUMP	OT	OFF TOP
BLDG	BUILDING	OZ	OUNCE
BSMT	BASEMENT	-	-
-	-	PART	PARTIAL
CFH	CUBIC FEET PER HOUR	PDR	PLENUM DRAIN
CI	CAST IRON	PERF	PERFORATED
CLG	CEILING		
CO	CLEAN OUT		
CONN	CONNECTION	PH	PHASE
CW	COLD WATER (SUPPLY)	PIV	POST INDICATOR VALVE
COND	CONDUCTOR	POS	POSITIVE
-	-	PRESS	PRESSURE
DB	DRAIN BOX	PS	PRESSURE SWITCH
DCV	DOUBLE CHECK VALVE	PSI	POUNDS PER SQUARE INCH
DEG	DEGREE	PSIG	POUNDS PER SQUARE INCH GAUGE
DET	DOMESTIC EXPANSION TANK		
DF	DRINKING FOUNTAIN	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
DIA	DIAMETER		
DN	DOWN	PT	PRESSURE TRANSMITTER
DRS	DARK ROOM DOUBLE BOWL SINK	PV	PLUG VALVE
DW	DOMESTIC WATER	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	PVS	POLYVINYL COATED STEEL
DWH	DOMESTIC WATER HEATER	-	-
-	-	QUAN	QUANTITY
(E)	EXISTING	-	-
EA	EACH	RD	ROOF DRAIN
ELEV	ELEVATION	REL	RELIEF
ENT	ENTERING	REQD	REQUIRED
EQ	EQUAL	RL	RAIN LEADER
EQUIP	EQUIPMENT	RM	ROOM
EQUIV	EQUIVALENT	RP	RECIRCULATION PUMP
-	-	RPM	REVOLUTIONS PER MINUTE
°F	DEGREES FAHRENHEIT	-	-
FAI	FRESH AIR INTAKE	SA	SHOCK ABSORBER
FCO	FLOOR CLEANOUT	SCH	SCHEDULE
FD	FLOOR DRAIN	SCHEM	SCHEMATIC
FIN	FINISHED	SK	STAINLESS STEEL SINK
FL	FLOOR	S/S	SERVICE SINK
FLA	FULL LOAD AMPS	SPEC	SPECIFICATION
FPWH	FREEZE PROOF WALL HYDRANT	SP	SUMP PUMP
FT	FEET	SQ	SQUARE
-	-	SS	STAINLESS STEEL
GA	GAUGE	ST	STORM
GALV	GALVANIZED	SST	SECONDARY STORM
GC	GENERAL CONTRACTOR		
GPD	GALLONS PER DAY	STD	STANDARD
GPH	GALLONS PER HOUR	STL	STEEL
GPM	GALLONS PER MINUTE	STR	STRUCTURAL
GW	GREASE WASTE	SUP	SUPPLY
-	-	SYS	SYSTEM
HT	HEIGHT	S/SHO	SAFETY SHOWER
HB	HOSE BIBB	-	-
HD	HEAD (SEE SCHEDULES)	TYP	TYPICAL
HP	HORSE POWER	-	-
HR	HOSE REEL	UR	URINAL
HTR	HEATER	-	-
HW	HOT WATER (SUPPLY)	VB	VACUUM BREAKER
HWR	HOT WATER- RECIRCULATED	VS	VIVARIUM SINK
-	-	VTR	VENT THRU ROOF
ID	INTERNAL DIAMETER	-	-
INCL	INCLUDING	W	WIDTH
INV	INVERT	W/	WITH
-	-	WHA	WATER HAMMER ARRESTER
K	TYPE OF COPPER TUBING	W/O	WITHOUT
KW	KILOWATT	WC	WATER CLOSET
-	-	WM	WATER METER
LAV	LAVATORY	-	-
-	-	XRD	X-RAY DEVELOPER CABINET
MC	MECHANICAL CONTRACTOR		
MED	MEDIUM		
MFR	MANUFACTURER		
MISC	MISCELLANEOUS		
MIN	MINIMUM		
MSS	MOP SERVICE SINK		
MTD	MOUNTED		
-	-		
(N)	NEW		
NC	NORMALLY CLOSED		
NH	NO HUB		
No	NUMBER		
NO	NORMALLY OPEN		
NTS	NOT TO SCALE		



1 NATURAL GAS RISER
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING LEGEND

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK · ADAM L. WYPPLER · LICENSED PROFESSIONAL ENGINEER · 065623

DASNY Project No: 319010-CR12

Drawing Number
P001

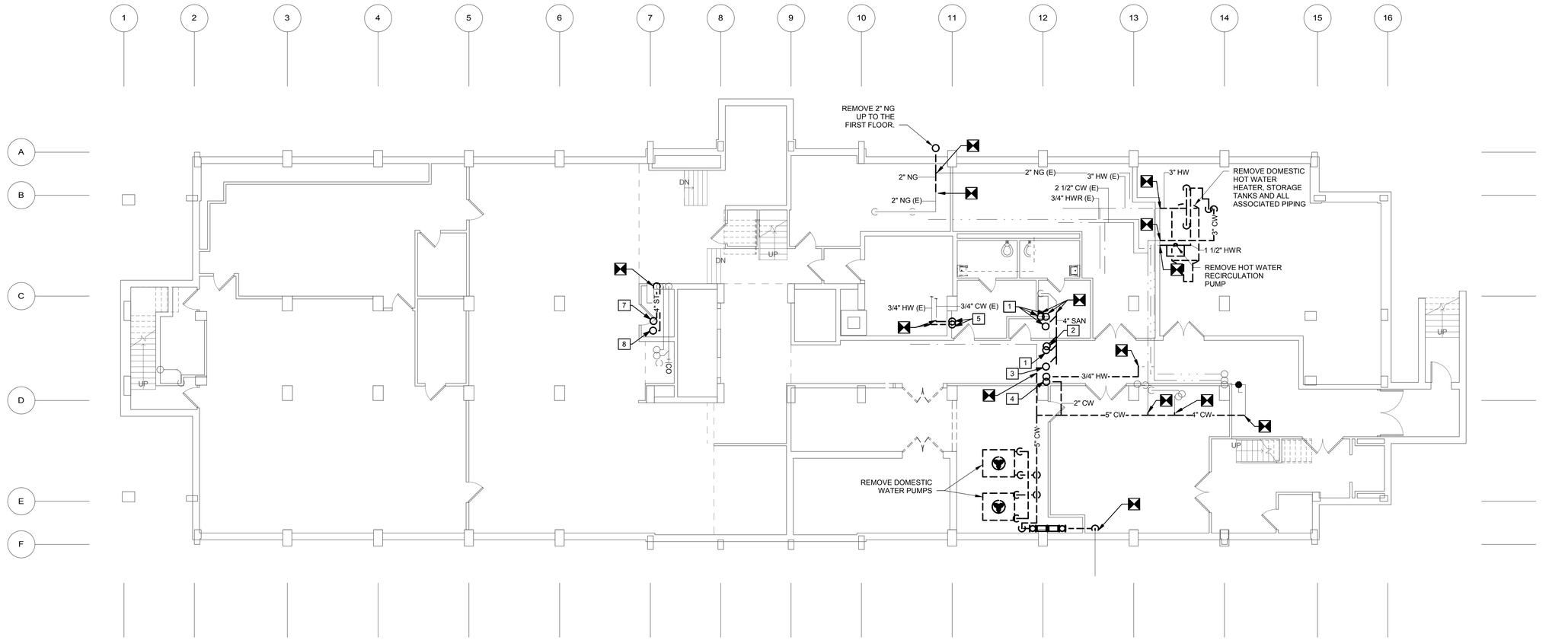
Drawing 44 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

KEYNOTES [X]

1.) REMOVE 4" SAN UP TO FIRST FLOOR.
2.) REMOVE 2" SAN UP TO FIRST FLOOR.
3.) REMOVE 1 1/2" SAN UP TO FIRST FLOOR.
4.) REMOVE 2" CW AND 3/4" HW UP TO FIRST FLOOR.
5.) REMOVE 3/4" CW AND 3/4" HW UP TO FIRST FLOOR.
6.) REMOVE 4" ST DN TO FLOOR LEVEL. DISCONNECT AND CAP ST AT FLOOR.
7.) REMOVE 4" ST DN TO FLOOR LEVEL. DISCONNECT AND CAP ST AT FLOOR.
8.) REMOVE 3" SAN UP TO FIRST FLOOR.



1 BASEMENT PLUMBING DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT PLUMBING DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK KARL W. PFEIFER LICENSED PROFESSIONAL ENGINEER 065529

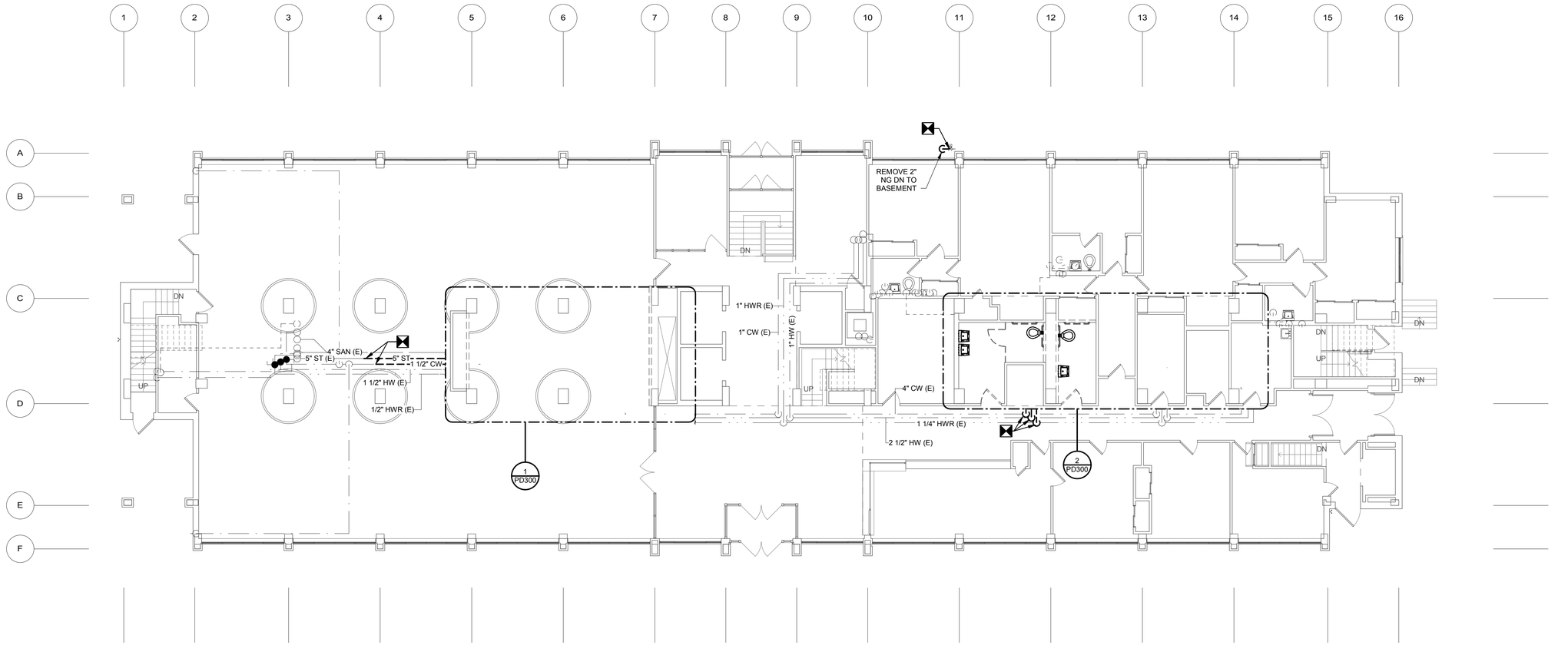
DASNY Project No: 319010-CR12

Drawing Number PD100

Drawing 45 *of* 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 FIRST FLOOR PLUMBING DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR PLUMBING DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature
KARL L WYPPER — LICENSED PROFESSIONAL ENGINEER — 085629 — STATE OF NEW YORK

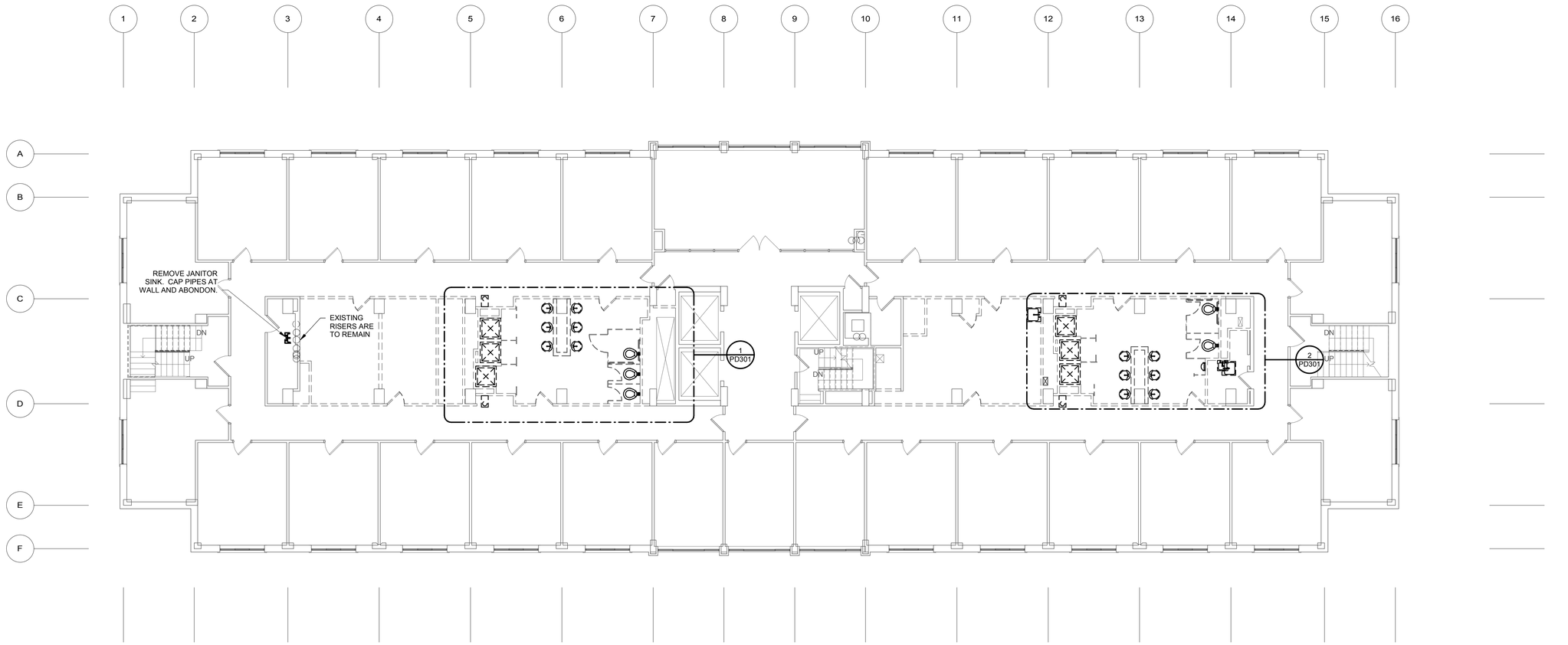
DASNY Project No:
319010-CR12

Drawing Number
PD101

Drawing
46 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 TYP 2-8 FLOORS PLUMBING DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-8 FLOOR PLUMBING DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · JOAN L. WHEELER · LICENSED PROFESSIONAL ENGINEER · 085629

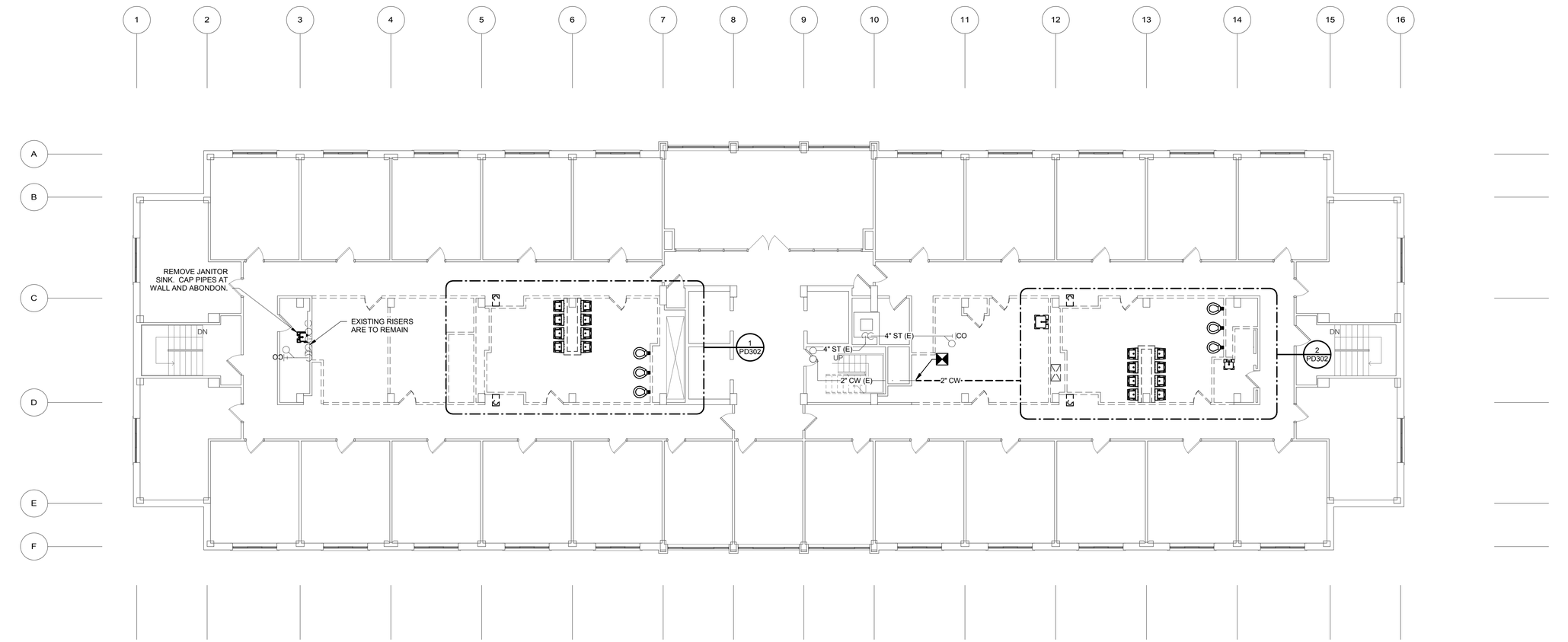
DASNY Project No:
319010-CR12

Drawing Number
PD102

Drawing 47 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 TYP 9 PLUMBING DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
9TH FLOOR PLUMBING DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · ADAM L. WYPPER · LICENSED PROFESSIONAL ENGINEER · 085629

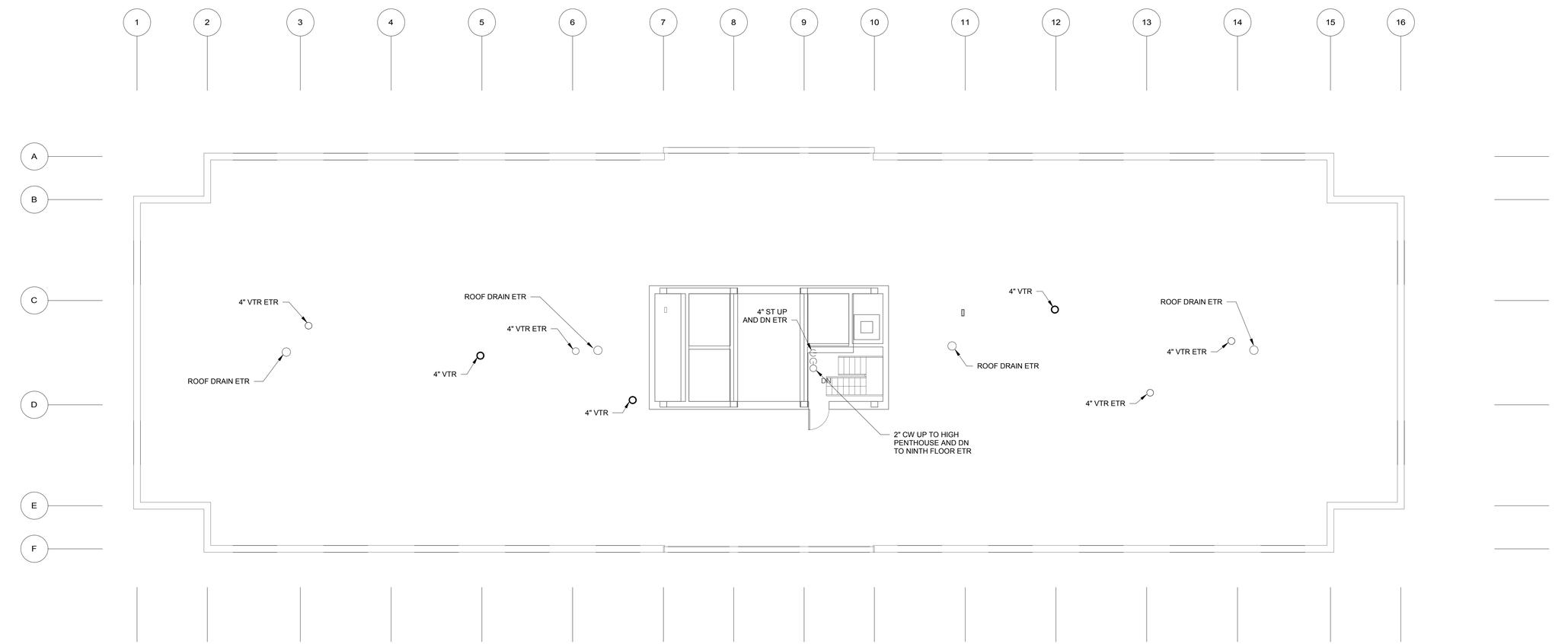
DASNY Project No: 319010-CR12

Drawing Number
PD103

Drawing 48 *of* 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 PLUMBING ROOF DEMOLITION PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING ROOF DEMOLITION PLAN

Phase
100% SUBMISSION

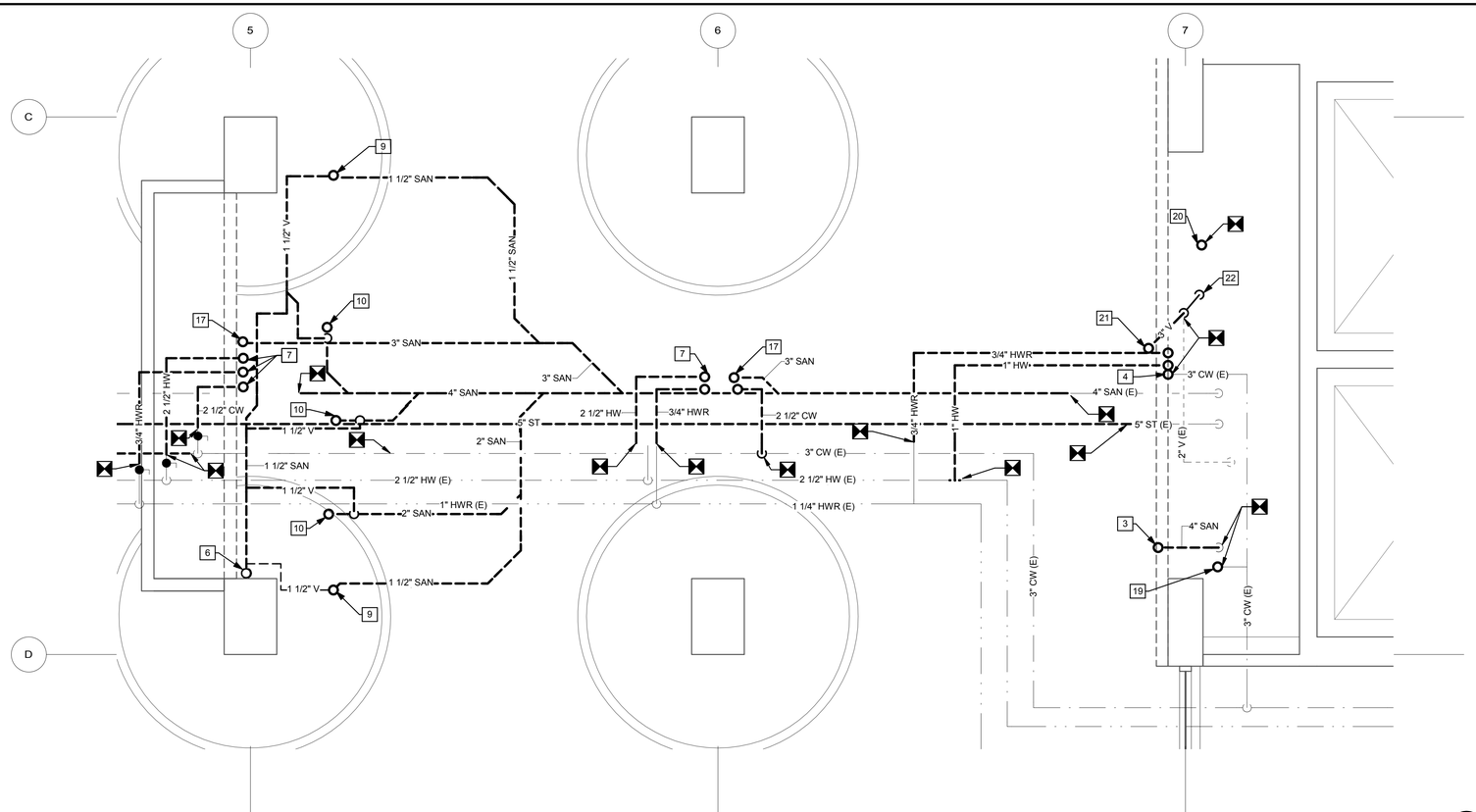
Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · KARL L. WHEELER · LICENSED PROFESSIONAL ENGINEER · 085629

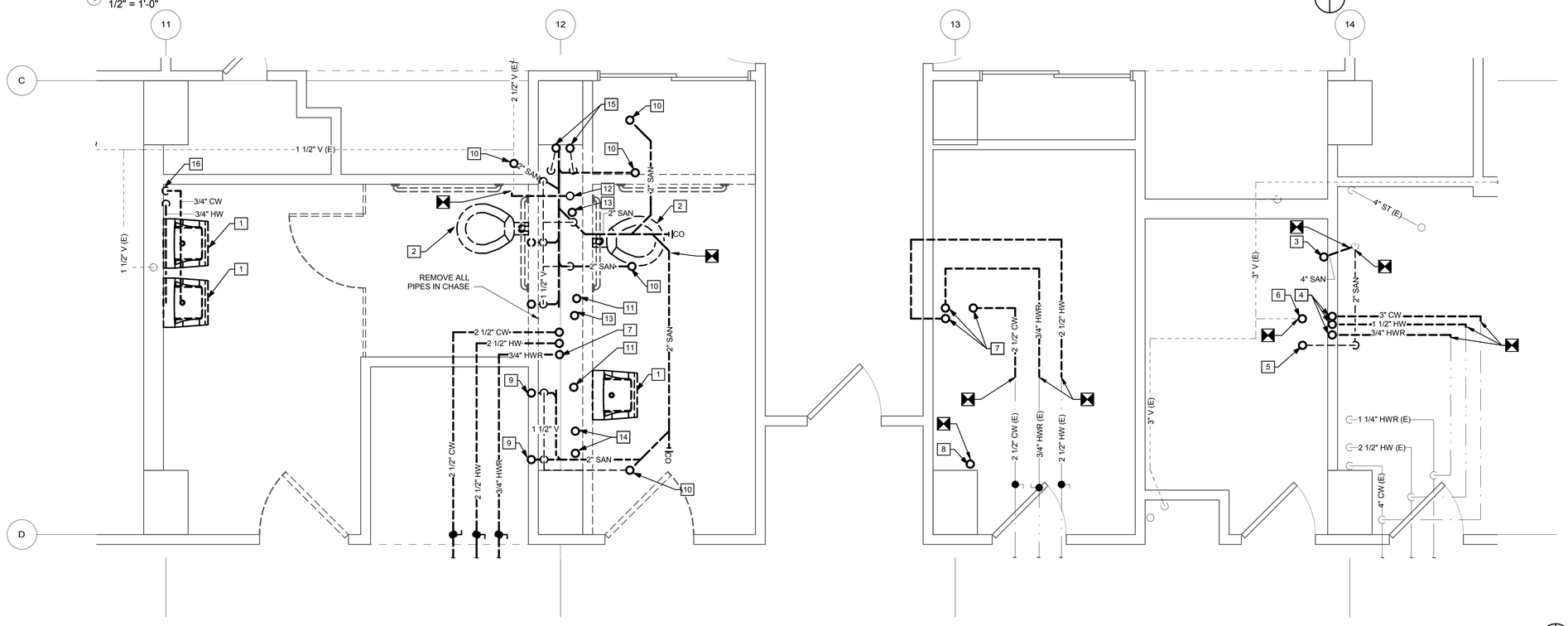
DASNY Project No: 319010-CR12

Drawing Number PD104

Drawing 49 of 129



1 FIRST FLOOR PLUMBING DEMO PLAN - Callout 1
1/2" = 1'-0"



2 NORTH STACK FIRST FLOOR PLUMBING DEMO PLAN
1/2" = 1'-0"

KEYNOTES

1.) REMOVE LAVATORY, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
2.) REMOVE WATER CLOSET, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
3.) REMOVE 4" SAN UP TO SECOND FLOOR
4.) REMOVE 3" CW, 1 1/2" HW AND 3/4" HWR UP TO SECOND FLOOR
5.) REMOVE 3" SAN UP TO SERVICE SINK ON SECOND FLOOR
6.) REMOVE 2" V UP TO SECOND FLOOR
7.) REMOVE 2 1/2" CW, 2 1/2" HW AND 3/4" HWR UP TO SECOND FLOOR
8.) REMOVE 4" SAN UP TO SECOND FLOOR. 4" SAN DN TO BASEMENT IS TO REMAIN.
9.) REMOVE 1 1/2" SAN UP TO SECOND FLOOR
10.) REMOVE 2" SAN UP TO SECOND FLOOR
11.) REMOVE 2" SAN DN TO BASEMENT
12.) REMOVE 2" V DN TO CHASE AND UP TO SECOND FLOOR
13.) REMOVE 4" SAN DN TO BASEMENT
14.) REMOVE 2" CW AND 3/4" HW DN TO BASEMENT
15.) REMOVE 4" SAN AND 4" V UP TO SECOND FLOOR
16.) REMOVE 3/4" CW AND 3/4" HW DN TO BASEMENT.
17.) REMOVE 3" SAN UP TO SECOND FLOOR.
18.) REMOVE 3" CW, 1 1/2" HW AND 3/4" HWR UP TO SECOND FLOOR
19.) REMOVE 3" CW UP TO SECOND FLOOR
20.) REMOVE 4" ST UP TO SECOND FLOOR AND DN TO BASEMENT.
21.) REMOVE 3" V UP TO SECOND FLOOR.
22.) REMOVE 3" SAN DN TO BASEMENT.

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

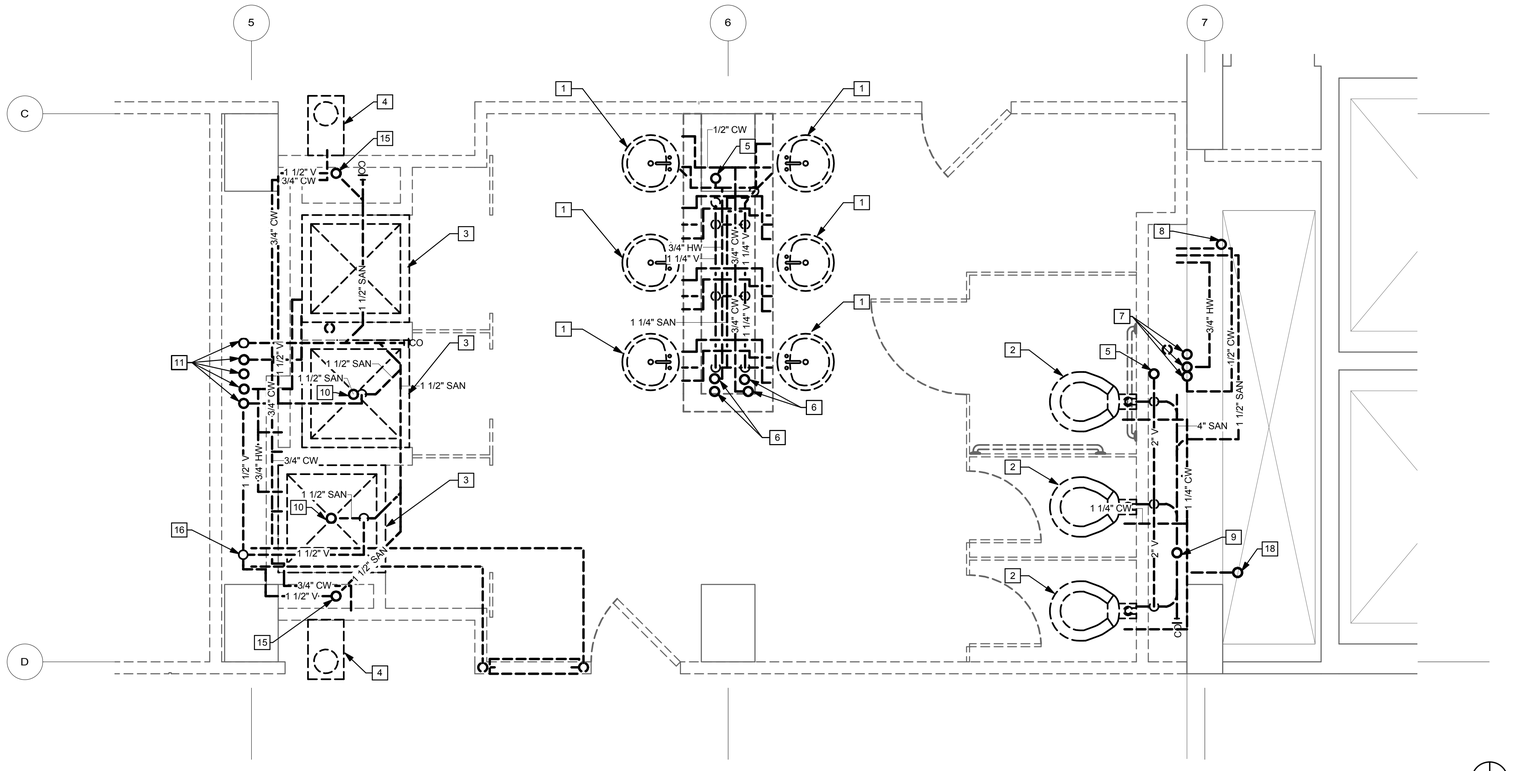
Drawing Title
ENLARGED FIRST FLOOR PLUMBING DEMO PLAN

Phase
100% SUBMISSION

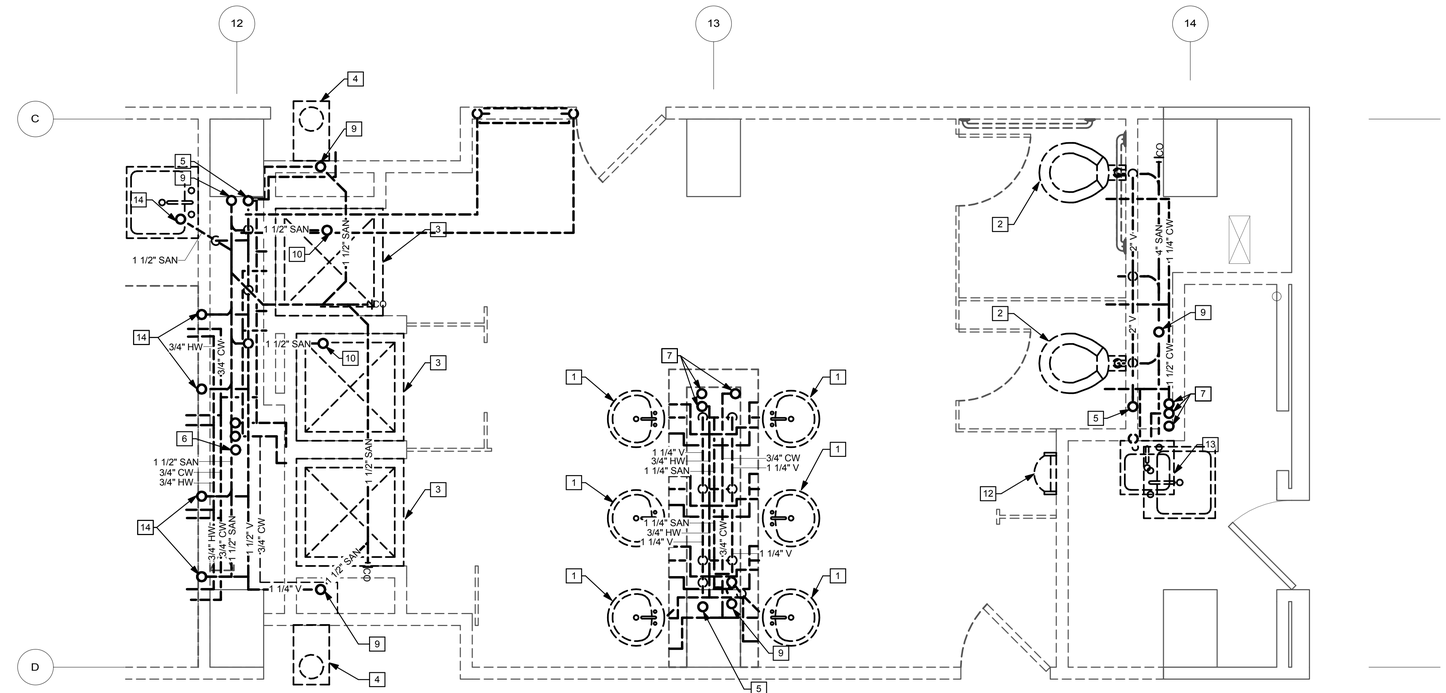
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · JOHN L. WYFFELS · 065623 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number PD300
Drawing 50 of 129



1 SOUTH BATHROOM STACK DEMOLITION PLAN
1/2" = 1'-0"



2 NORTH BATHROOM STACK DEMOLITION PLAN
1/2" = 1'-0"

KEYNOTES

1.) REMOVE LAVATORY, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
2.) REMOVE WATER CLOSET, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
3.) REMOVE SHOWER BASIN, SHOWER HEAD, AND ALL ASSOCIATED PIPING AND TRIM
4.) REMOVE DRINKING FOUNTAIN, SUPPORT AND ALL ASSOCIATED PIPING AND TRIM
5.) REMOVE V RISER UP TO FLOOR ABOVE AND DN TO FLOOR BELOW
6.) REMOVE CW, SAN, HW, AND HWR RISER UP TO FLOOR ABOVE AND DN TO FLOOR BELOW
7.) REMOVE CW, HW AND HWR RISER UP TO FLOOR ABOVE AND DN TO FLOOR BELOW
8.) REMOVE ST RISER UP TO FLOOR ABOVE AND DN TO FLOOR BELOW
9.) REMOVE SAN RISER UP TO FLOOR ABOVE AND DN TO FLOOR BELOW
10.) REMOVE SAN UP TO SHOWER ON FLOOR ABOVE
11.) REMOVE SAN, V, CW, HW AND HWR RISER UP TO FLOOR ABOVE AND DN TO FLOOR BELOW
12.) REMOVE URINAL, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
13.) REMOVE SERVICE SINK AND ALL ASSOCIATED PIPING AND TRIM
14.) REMOVE SAN UP TO LAUNDRY STATION ON FLOOR ABOVE
15.) REMOVE 1 1/2" SAN DN TO FLOOR BELOW AND 1 1/2" V UP TO CEILING SPACE
16.) REMOVE 1 1/2" V UP TO FLOOR ABOVE
17.) ST RISER IS EXISTING TO REMAIN
18.) REMOVE CW RISER

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP ENLARGED 2-8 PLUMBING DEMO PLAN

Phase
100% SUBMISSION

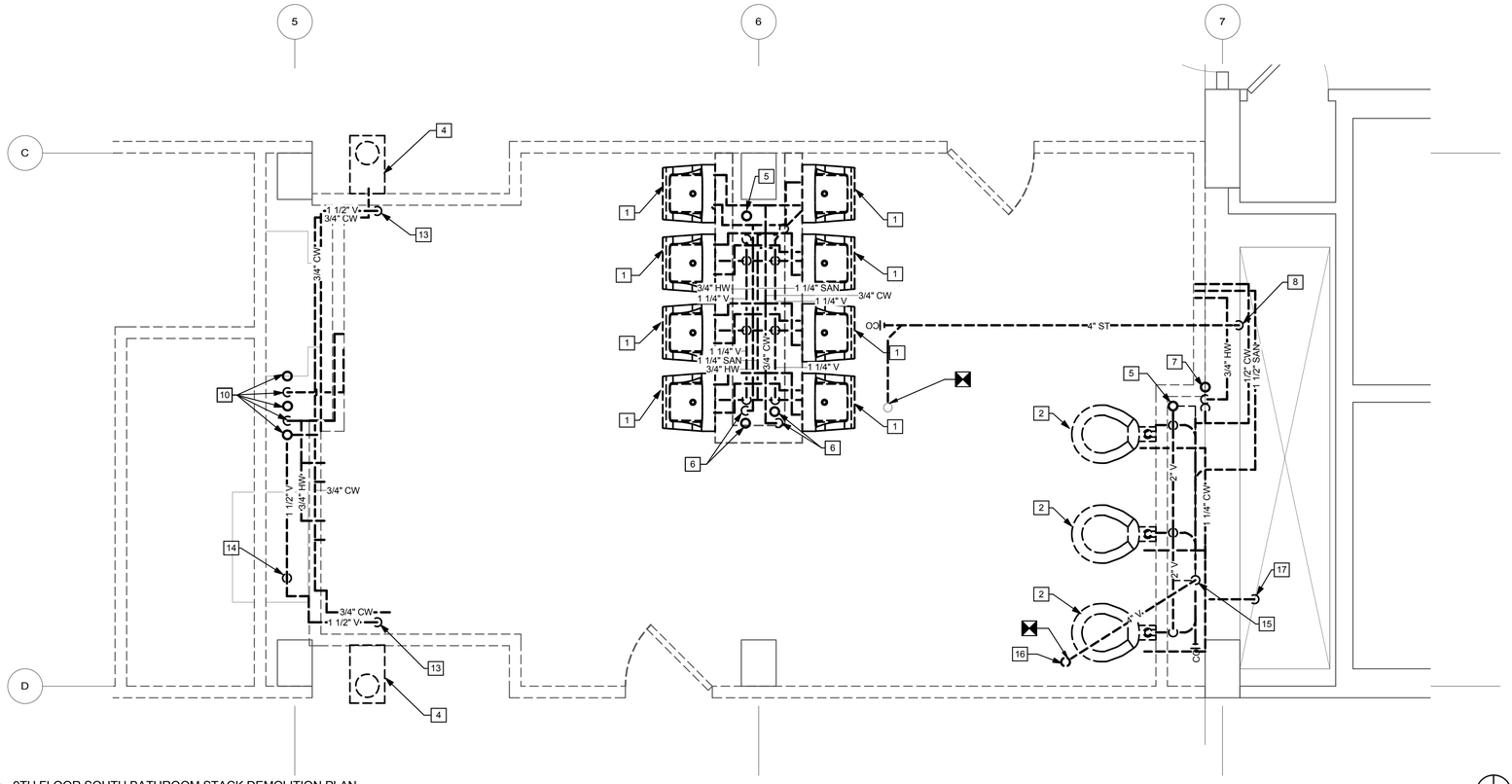
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · KAM L. WYFFELS · LICENSED PROFESSIONAL ENGINEER · 085523

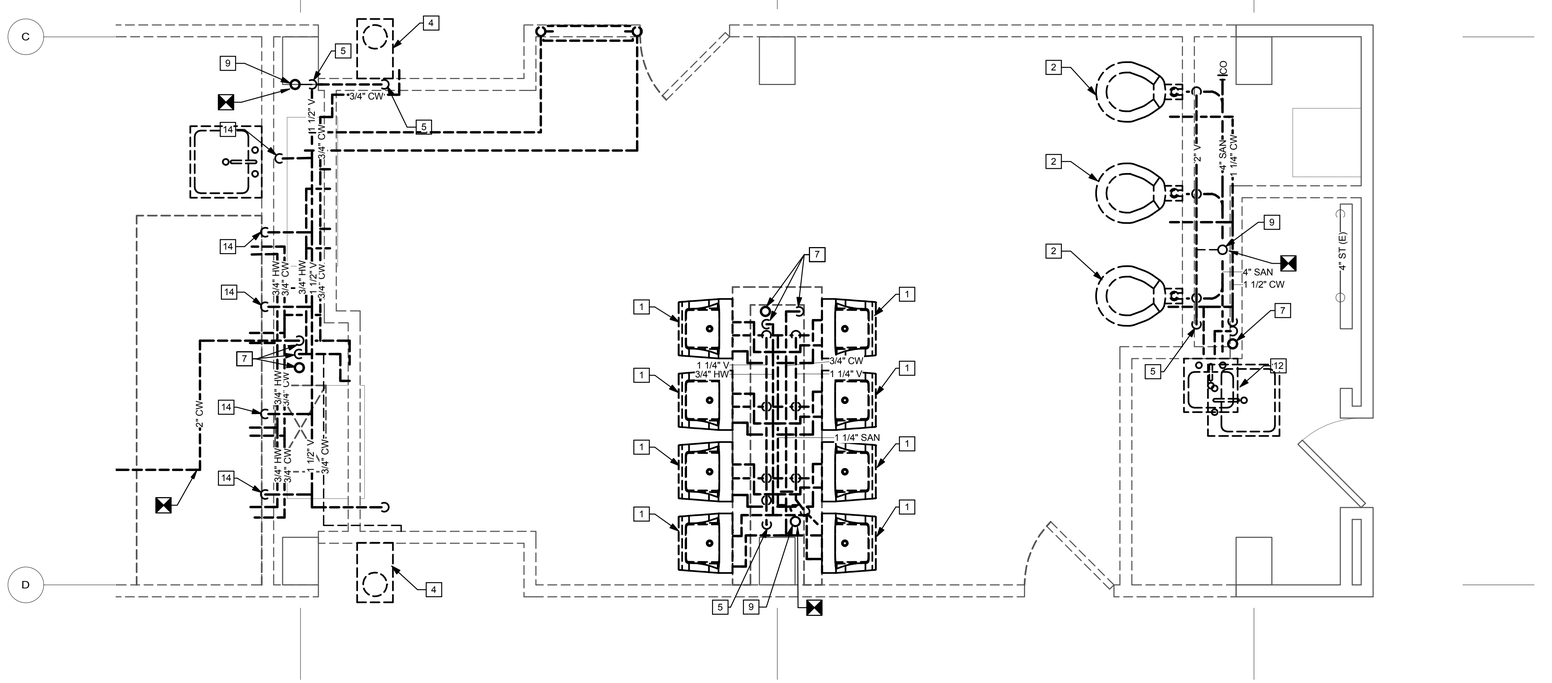
DASNY Project No:
319010-CR12

Drawing Number
PD301

Drawing
51 of 129



1 9TH FLOOR SOUTH BATHROOM STACK DEMOLITION PLAN
1/2" = 1'-0"



2 9TH FLOOR NORTH BATHROOM STACK DEMOLITION PLAN
1/2" = 1'-0"

KEYNOTES

1.) REMOVE LAVATORY, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
2.) REMOVE WATER CLOSET, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
3.) REMOVE SHOWER BASIN, SHOWER HEAD, AND ALL ASSOCIATED PIPING AND TRIM
4.) REMOVE DRINKING FOUNTAIN, SUPPORT AND ALL ASSOCIATED PIPING AND TRIM
5.) REMOVE V RISER UP TO CEILING SPACE AND DN TO EIGHTH FLOOR.
6.) REMOVE CW, SAN, HW, AND HWR RISER DN TO EIGHTH FLOOR. REMOVE AND DISCONNECT SAN UP TO VTR AND TEMPORARILY CAP.
7.) REMOVE CW, HW AND HWR RISER DN TO EIGHTH FLOOR
8.) REMOVE ST RISER UP TO CEILING SPACE AND DN TO EIGHTH FLOOR
9.) REMOVE SAN RISER DN TO EIGHTH FLOOR AND UP TO VTR. DISCONNECT FROM VTR AND TEMPORARILY CAP.
10.) REMOVE SAN, V, CW, HW AND HWR RISER DN TO FLOOR EIGHTH FLOOR. REMOVE AND DISCONNECT SAN UP TO VTR AND TEMPORARILY CAP.
11.) REMOVE URINAL, SUPPORTS AND ALL ASSOCIATED PIPING AND TRIM
12.) REMOVE SERVICE SINK AND ALL ASSOCIATED PIPING AND TRIM
13.) REMOVE 1 1/2" SAN DN TO EIGHTH FLOOR AND 1 1/2" V UP TO CEILING SPACE
14.) REMOVE 1 1/2" V DN TO EIGHTH FLOOR
15.) REMOVE SAN RISER DN TO EIGHTH FLOOR AND UP TO CEILING.
16.) DISCONNECT PIPE FROM VTR AND TEMPORARILY CAP
17.) REMOVE CW RISER.

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ENLARGED 9TH FLOOR PLUMBING DEMO PLAN

Phase
100% SUBMISSION

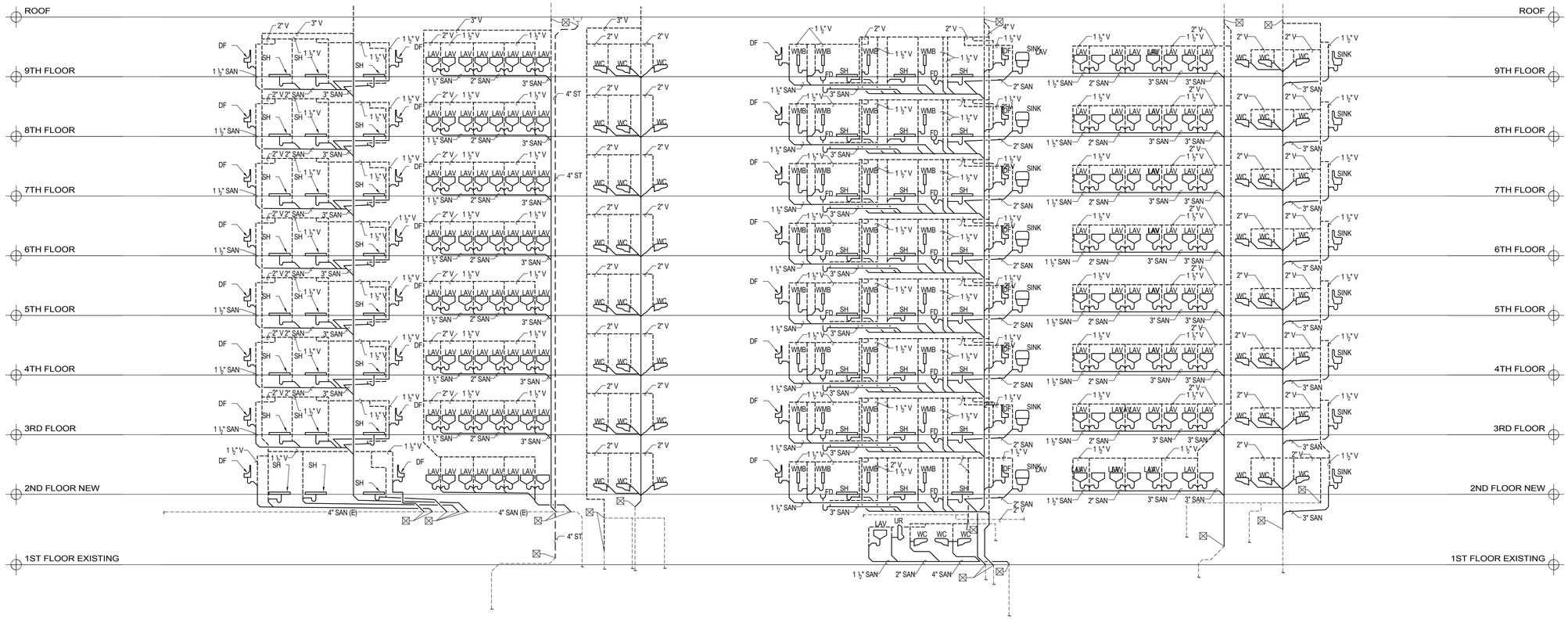
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK JOAN L. WYFFELS 085629 LICENSED PROFESSIONAL ENGINEER

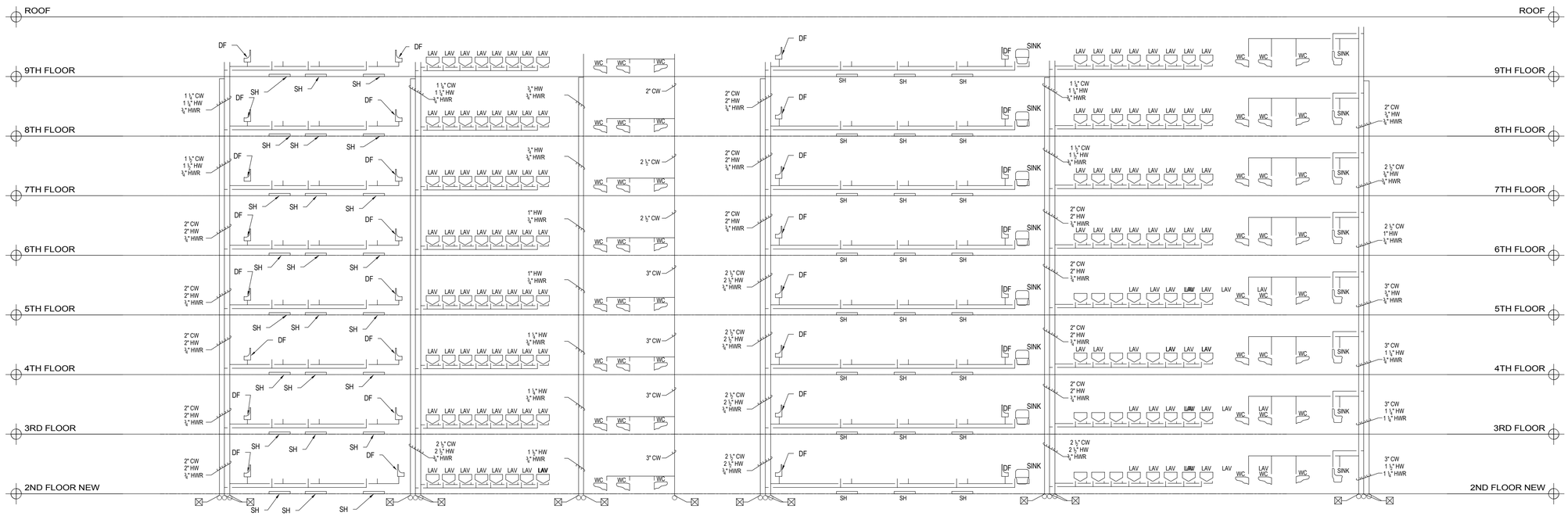
DASNY Project No:
319010-CR12

Drawing Number
PD302

Drawing
52 of 129



1 SAN/V DEMOLITION RISER DIAGRAM
NTS



2 PLUMBING DEMOLITION RISER DIAGRAM
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING DEMOLITION RISER DIAGRAM

Phase
100% SUBMISSION

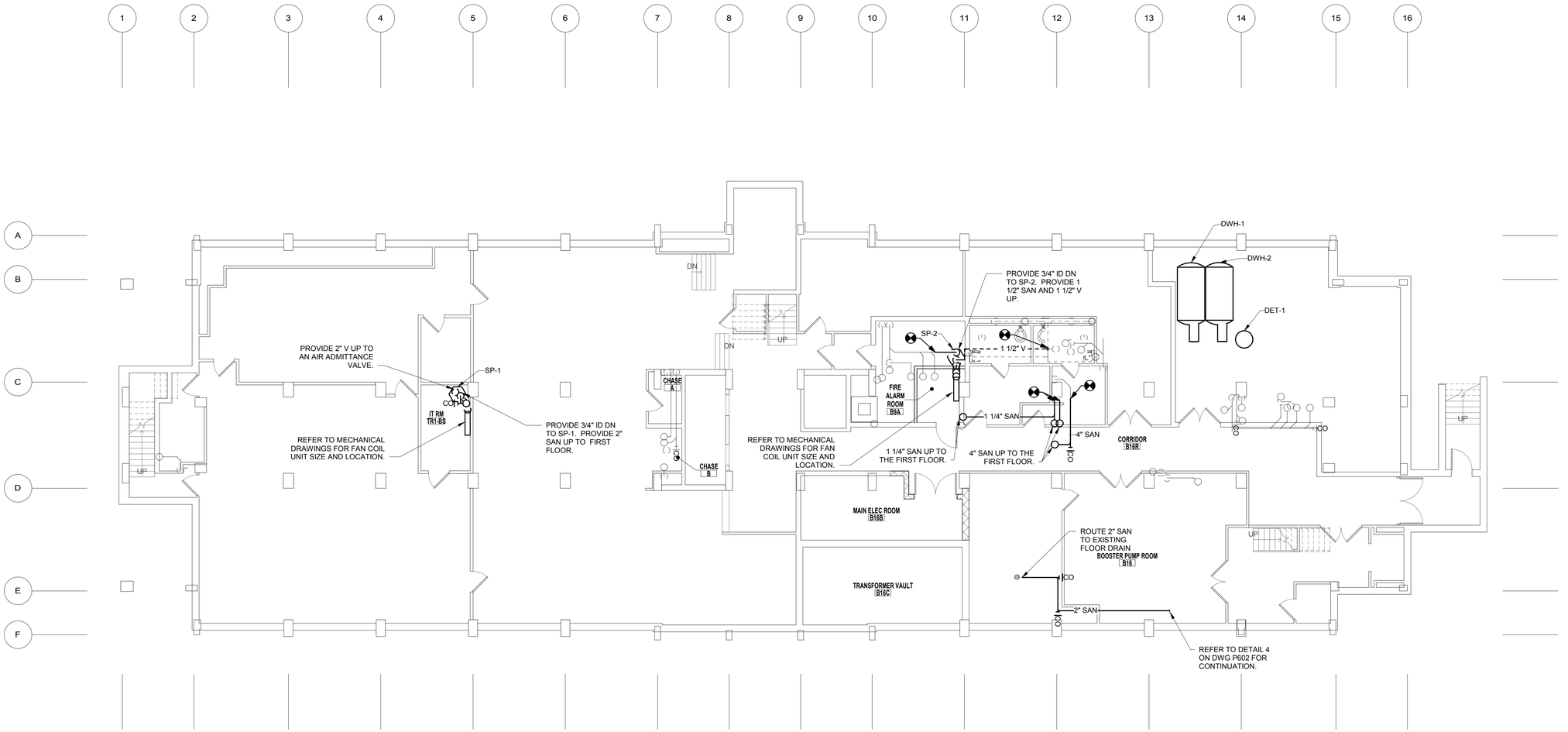
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · ADAM L. WYBLE · 085629 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number PD401

Drawing 53 of 129



1 BASEMENT SAN/V PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

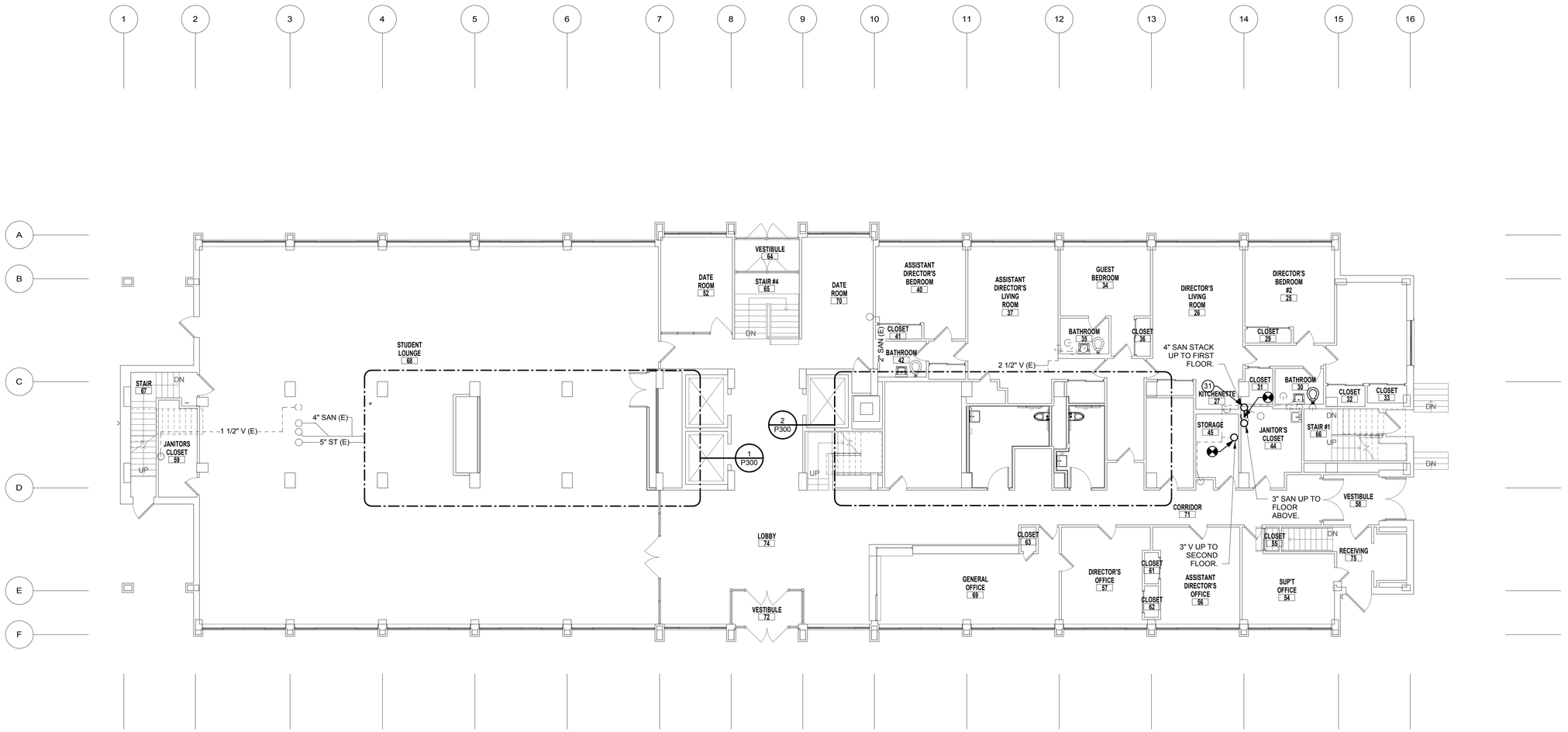
Drawing Title
BASEMENT SAN/V PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · MARK L. WIFFEN · 085623 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number P100
Drawing 54 of 129



1 FIRST FLOOR SAN/V PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR SAN/V PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · ALAN L. WHEELER · LICENSED PROFESSIONAL ENGINEER · 065529

DASNY Project No: 319010-CR12

Drawing Number P101

Drawing 55 of 129

1 TYP 2-8 SAN/V PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-8 SAN/V PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

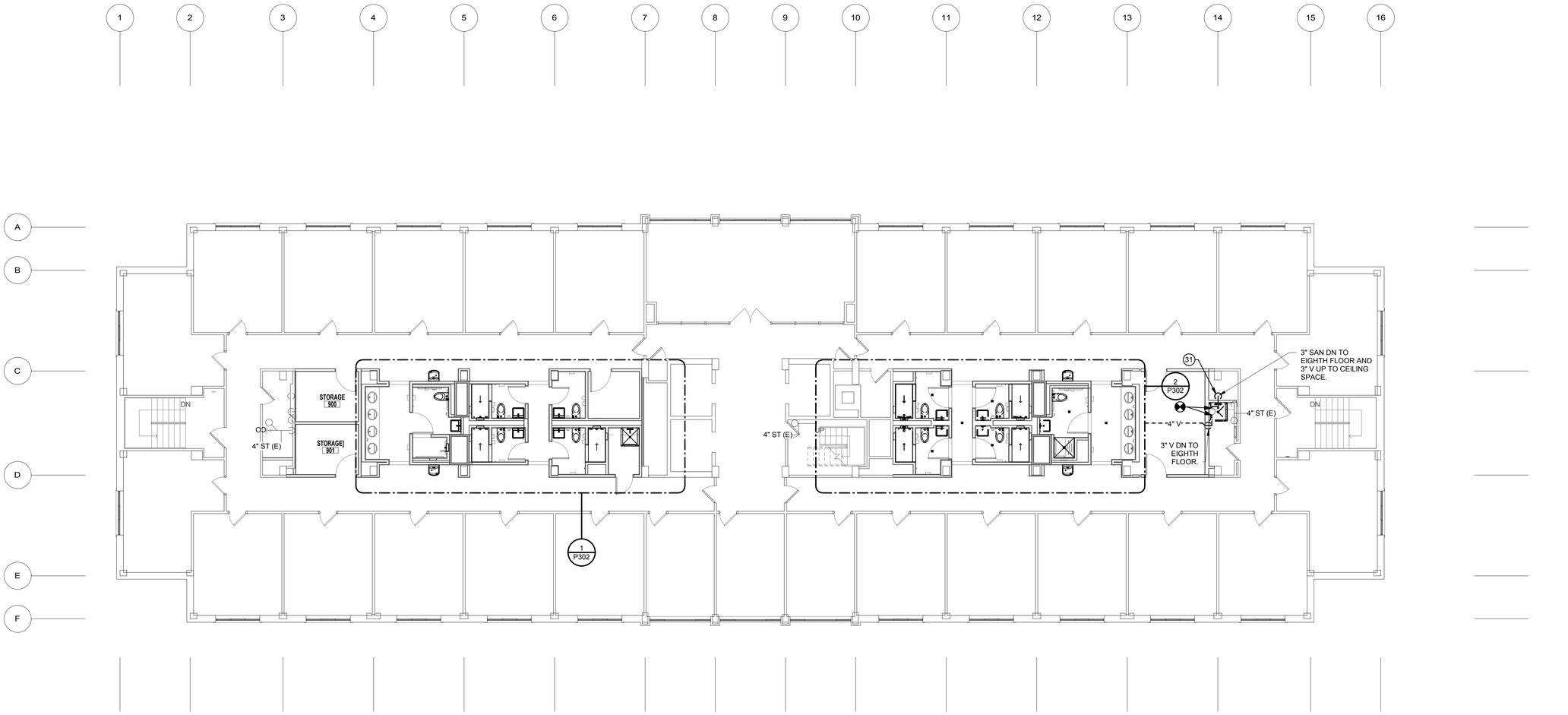
Seal & Signature

STATE OF NEW YORK · ALAN L. WHITTEN · LICENSED PROFESSIONAL ENGINEER · 085623

DASNY Project No: 319010-CR12

Drawing Number P102

Drawing 56 of 129



1 9TH FLOOR SAN/V PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
9TH FLOOR SAN/V PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

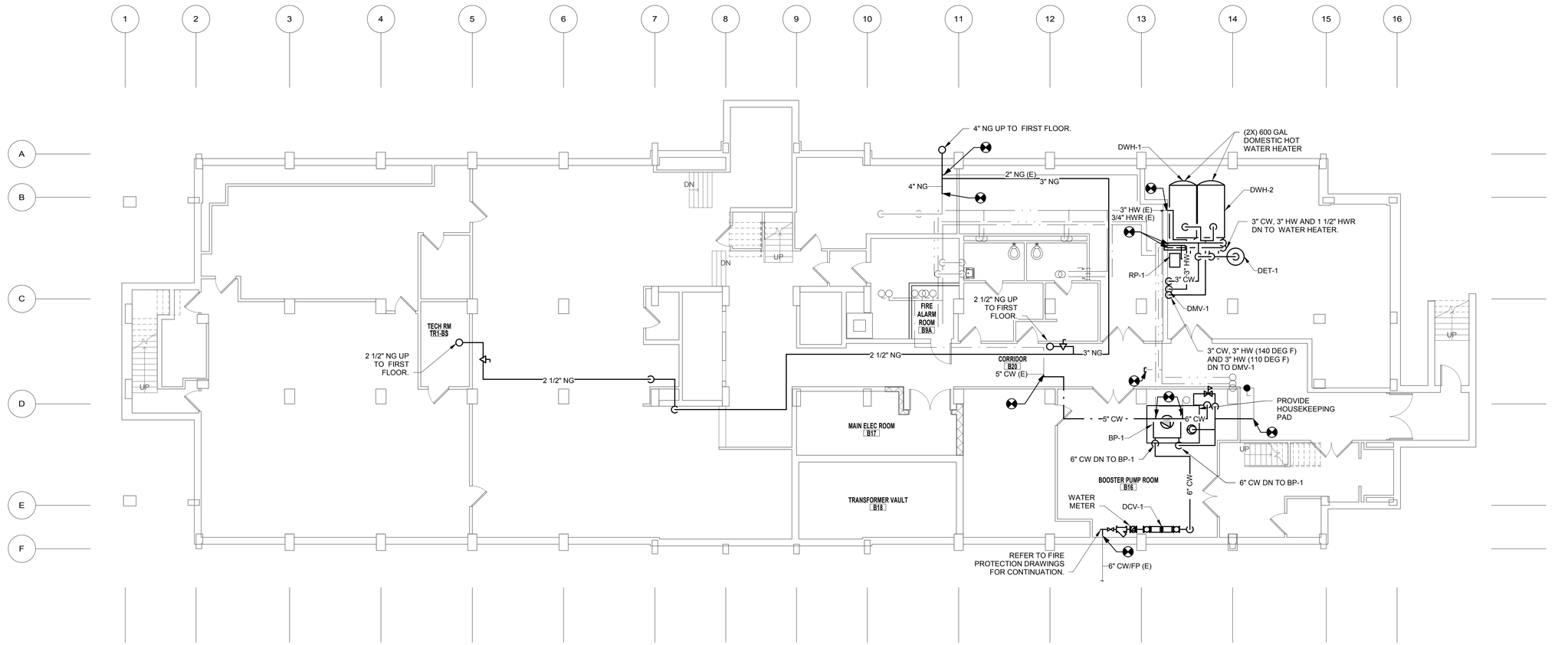
Seal & Signature

STATE OF NEW YORK · ADAM L. WYFFELS · 065623 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number P103

Drawing 57 of 129



1 BASEMENT PLUMBING PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT PLUMBING PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK · KAM L. WHYTE · 085623 · LICENSED PROFESSIONAL ENGINEER

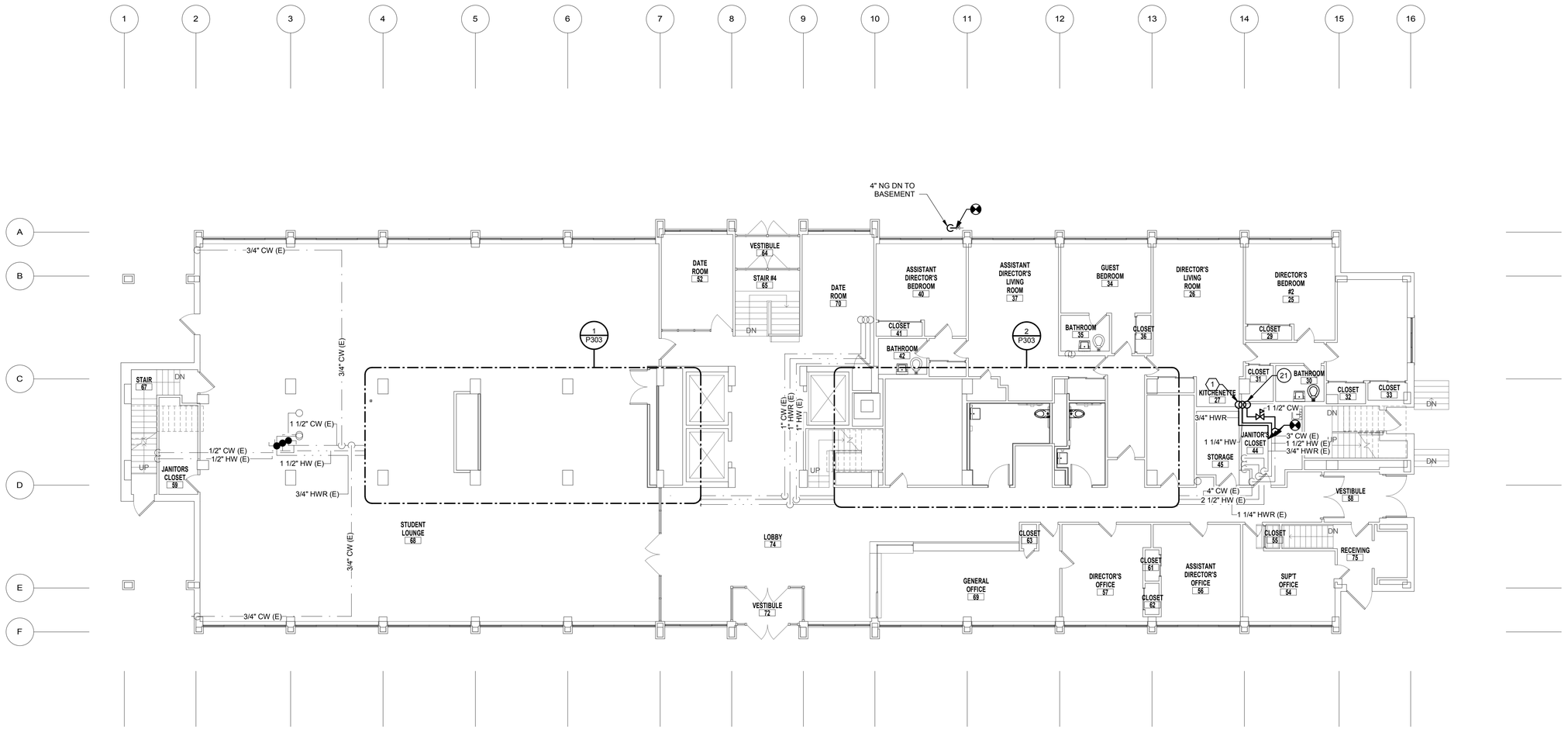
DASNY Project No: 319010-CR12

Drawing Number P104

Drawing 58 of 129

KEYNOTES (X)

1.) 1 1/2" CW, 1 1/4" HW AND 3/4" HWR UP TO SECOND FLOOR.



1 FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR PLUMBING PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · MARK L. WYFFELS · 085520 · LICENSED PROFESSIONAL ENGINEER

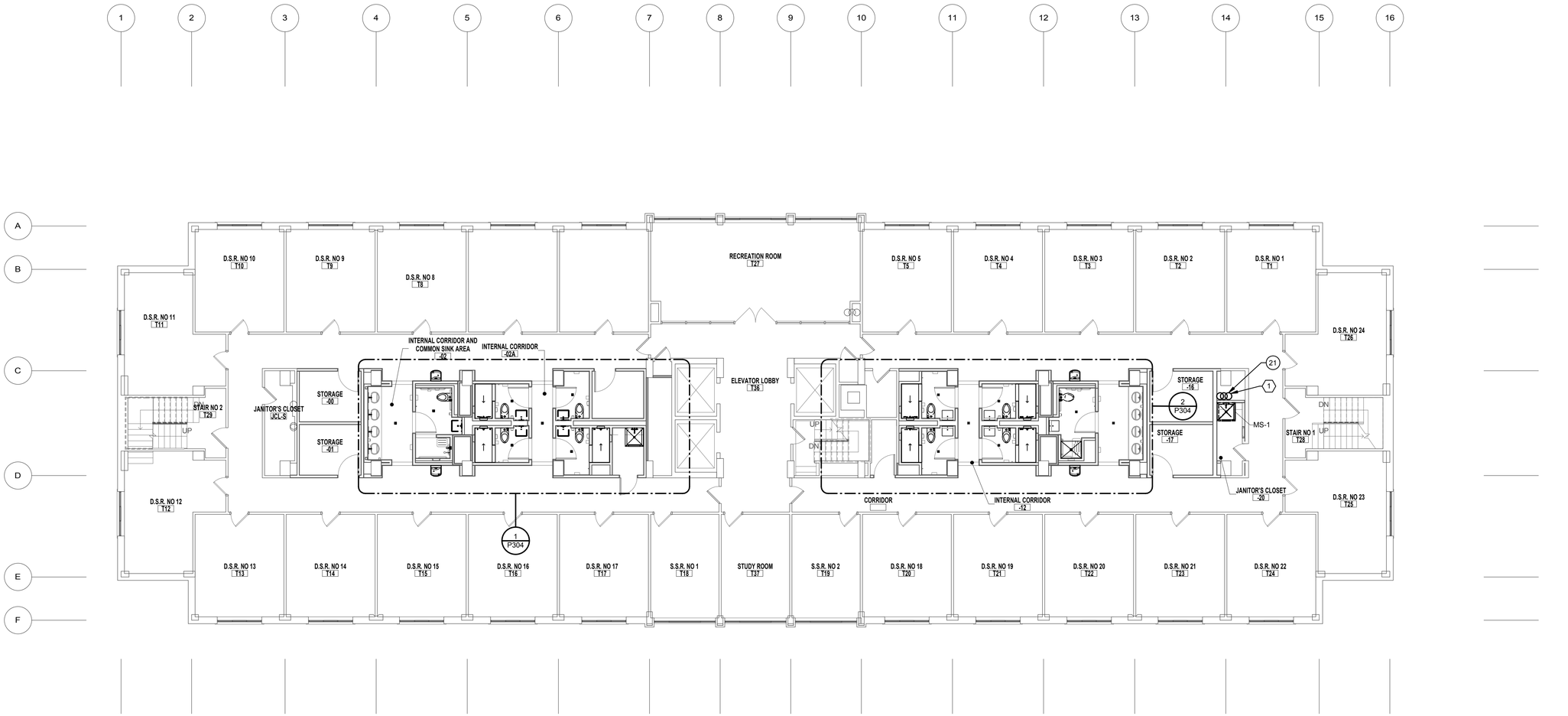
DASNY Project No: 319010-CR12

Drawing Number P105

Drawing 59 of 129

KEYNOTES (X)

1.) CW, HW AND HWR UP TO FLOOR ABOVE AND DN TO FLOOR BELOW. REFER TO RISER DIAGRAM FOR PIPE SIZE.



1 TYP 2-8 PLUMBING PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-8 PLUMBING PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

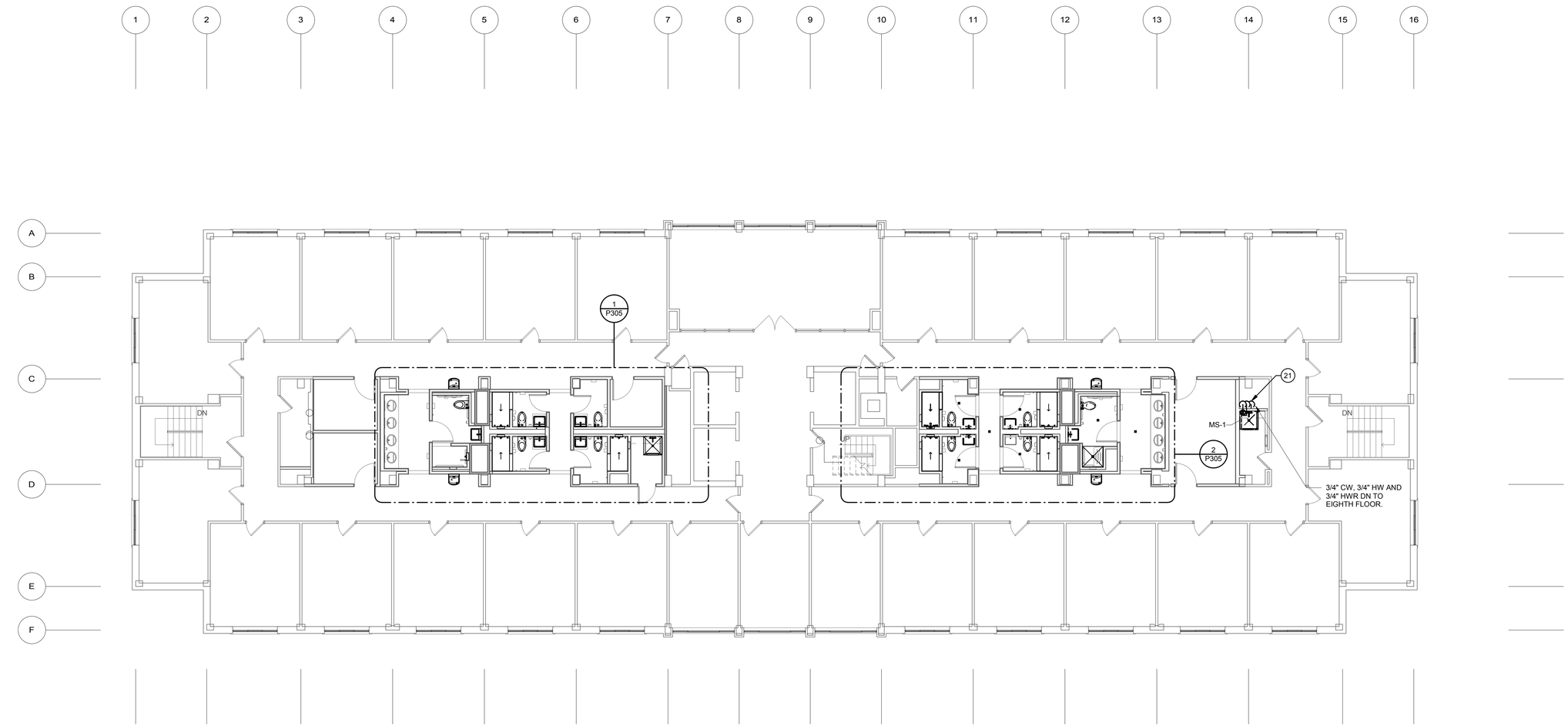
Seal & Signature

STATE OF NEW YORK ALAN L. WHITTLE LICENSED PROFESSIONAL ENGINEER 085623

DASNY Project No: 319010-CR12

Drawing Number P106

Drawing 60 of 129



1 9TH FLOOR PLUMBING PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
9TH FLOOR
PLUMBING PLAN

Phase
100% SUBMISSION

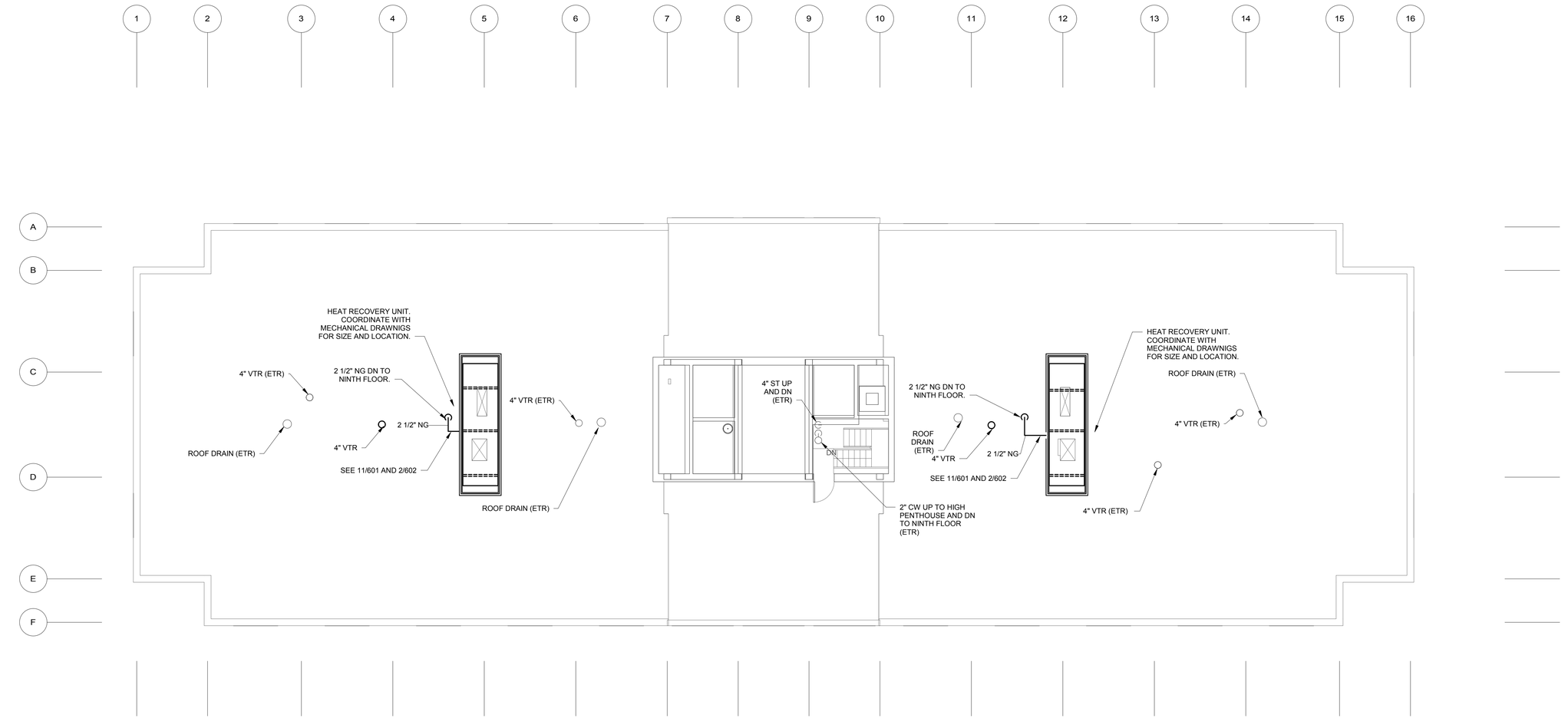
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · KARL L WYFFELS · 085623 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
P107

Drawing
61 of 129



1 PLUMBING ROOF PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING ROOF PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

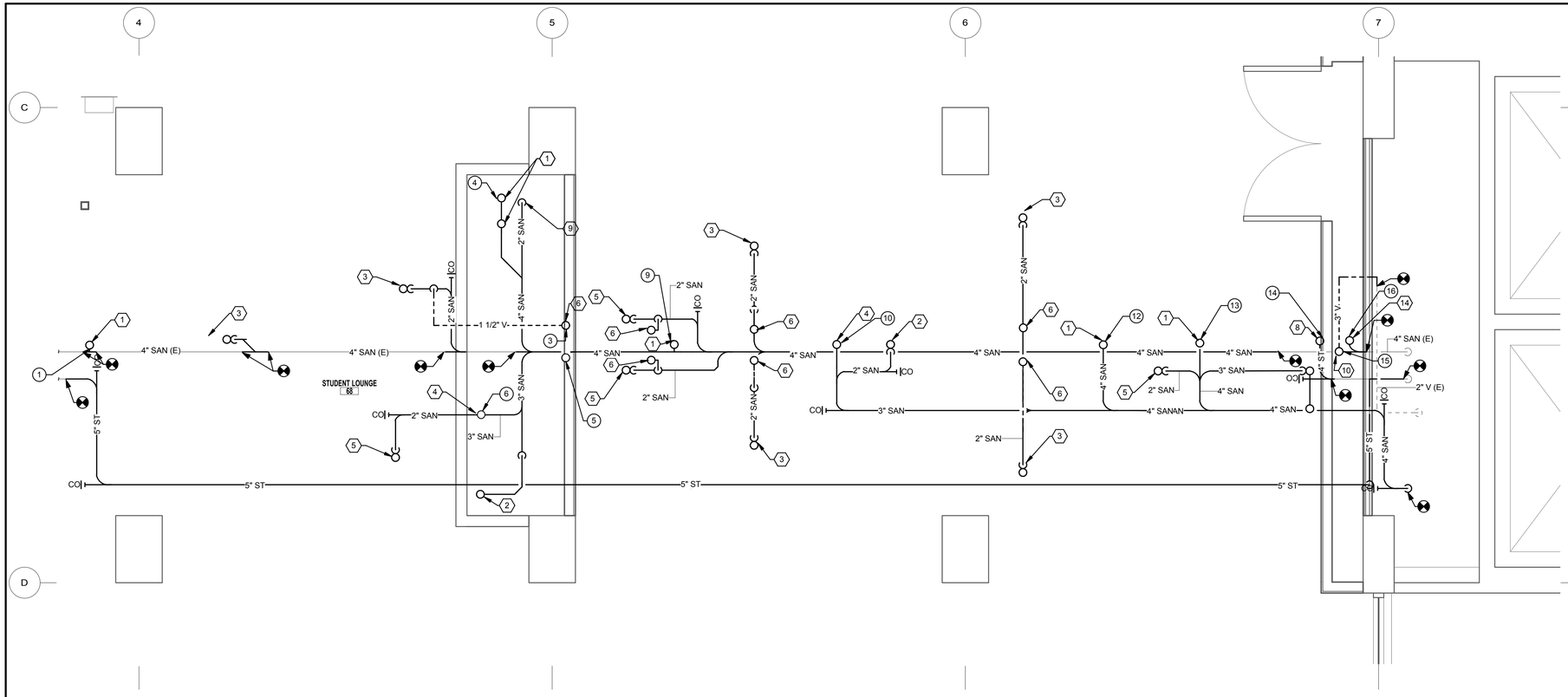
Seal & Signature

STATE OF NEW YORK · ADAM L. WYFFELS · LICENSED PROFESSIONAL ENGINEER · 065523

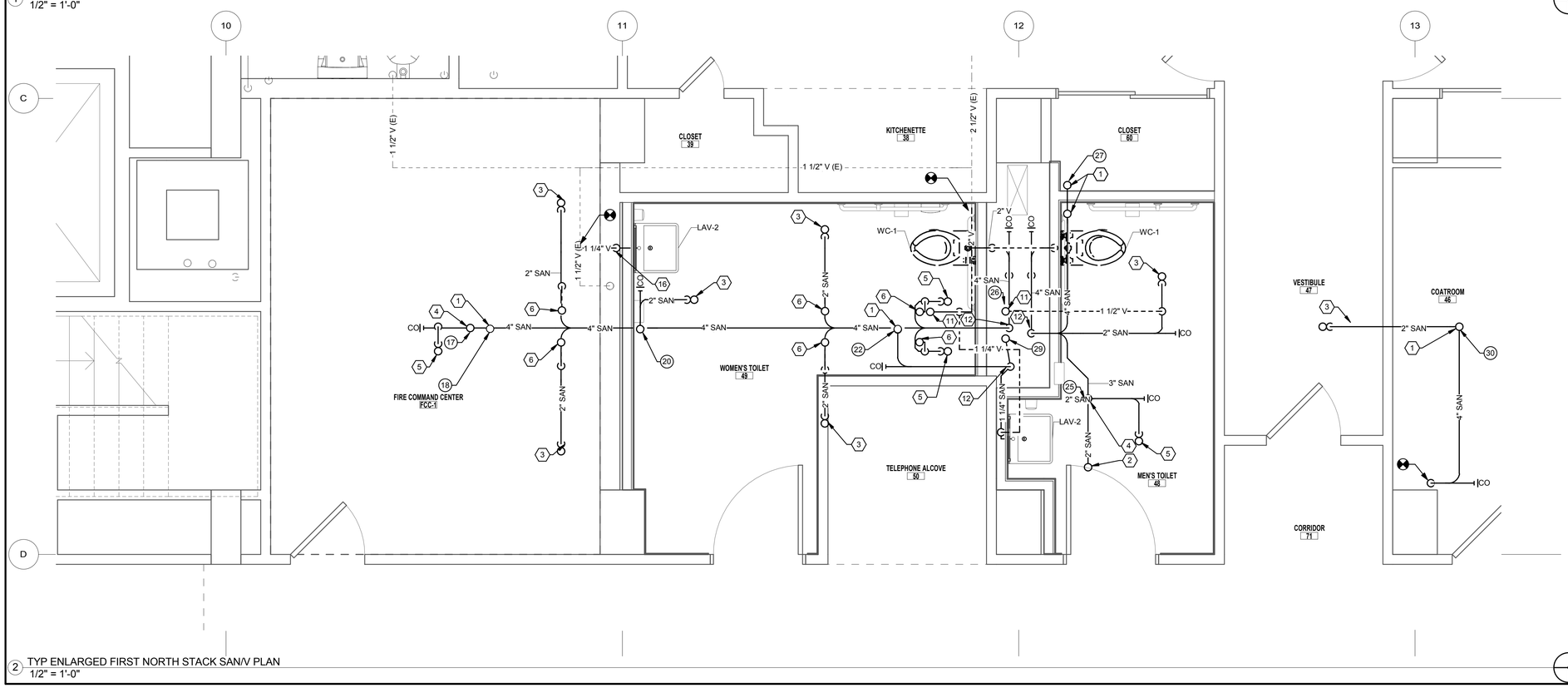
DASNY Project No: 319010-CR12

Drawing Number
P108

Drawing 62 of 129



1 TYP ENLARGED FIRST SOUTH STACK SAN/V PLAN
1/2" = 1'-0"



2 TYP ENLARGED FIRST NORTH STACK SAN/V PLAN
1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ENLARGED FIRST FLOOR SAN/V PLAN

Phase
100% SUBMISSION

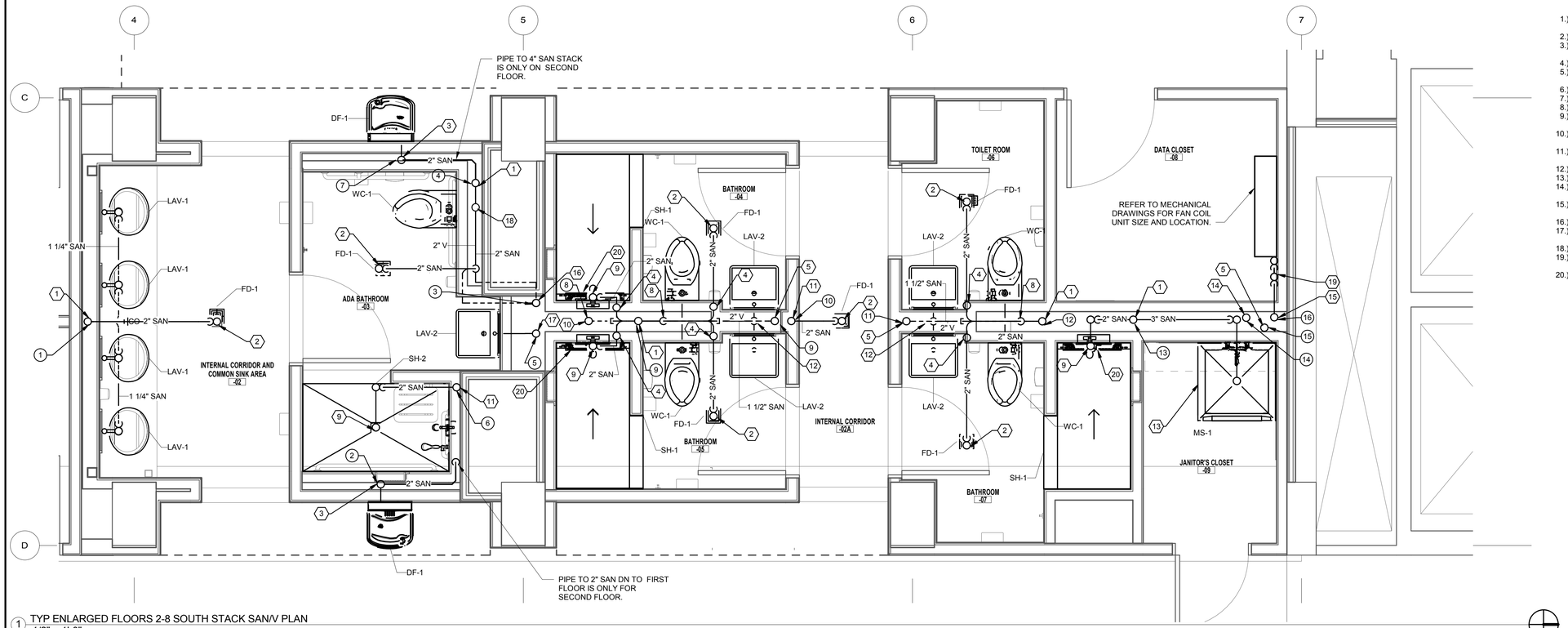
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

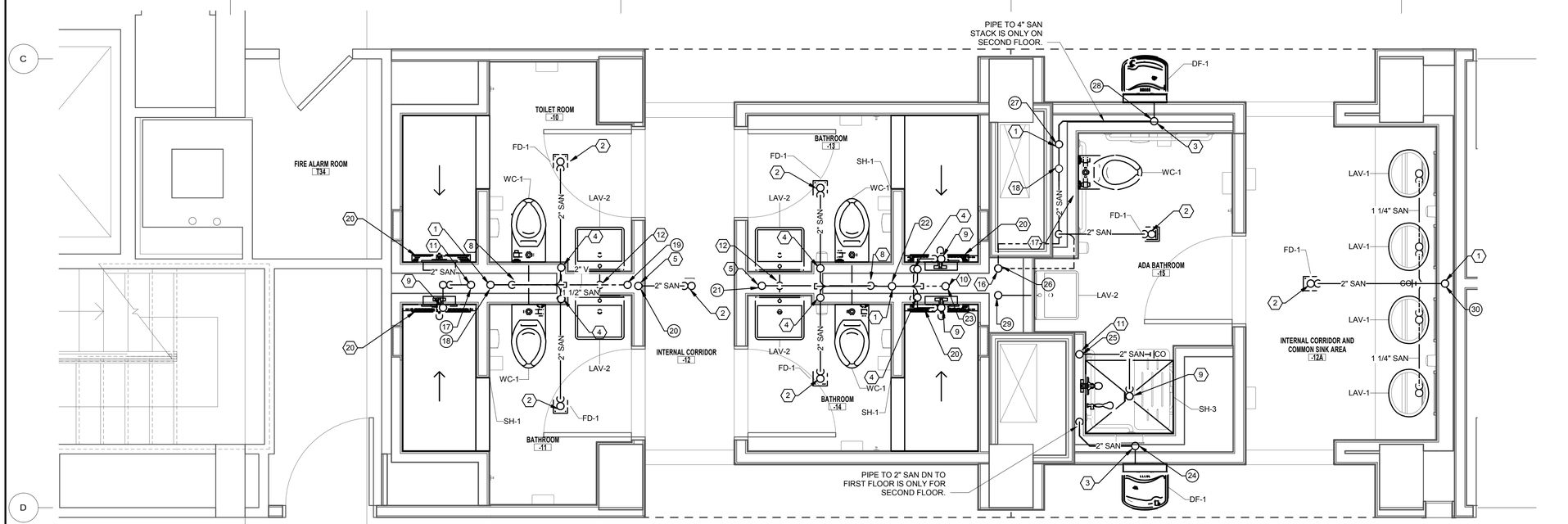
DASNY Project No:
319010-CR12

Drawing Number
P300

Drawing
63 of 129



1 TYP ENLARGED FLOORS 2-8 SOUTH STACK SAN/V PLAN
1/2" = 1'-0"



2 TYP ENLARGED FLOORS 2-8 NORTH STACK SAN/V PLAN
1/2" = 1'-0"

KEYNOTES

1.) 4" SAN STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
2.) 2" SAN UP TO FD ON FLOOR ABOVE. PROVIDE P-TRAP.
3.) 2" SAN STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
4.) 1 1/2" V UP TO FLOOR ABOVE.
5.) 3" V STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
6.) 2" SAN DN TO SAN LINE.
7.) 1 1/4" SAN DN TO SAN LINE AND 1 1/4" V UP TO V LINE.
8.) 2" V UP.
9.) 2" SAN UP TO SHOWER ON FLOOR ABOVE. OFFSET P-TRAP WHERE SHOWN ON PLANS.
10.) 2" V STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
11.) 3" SAN STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
12.) 1 1/2" SAN DN TO SAN LINE AND 1 1/4" V UP TO V LINE.
13.) 3" SAN UP TO MS ON FLOOR ABOVE. PROVIDE P-TRAP.
14.) 4" ST STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
15.) 3/4" SAN STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
16.) V STACK. REFER TO RISER DIAGRAM FOR PIPE SIZING.
17.) 2 1/2" SAN STACK UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
18.) 4" SAN UP TO WATER CLOSET.
19.) REFER TO DETAIL 4 ON DWG P601 FOR INDIRECT DRAIN CONNECTION.
20.) TRENCH DRAIN

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

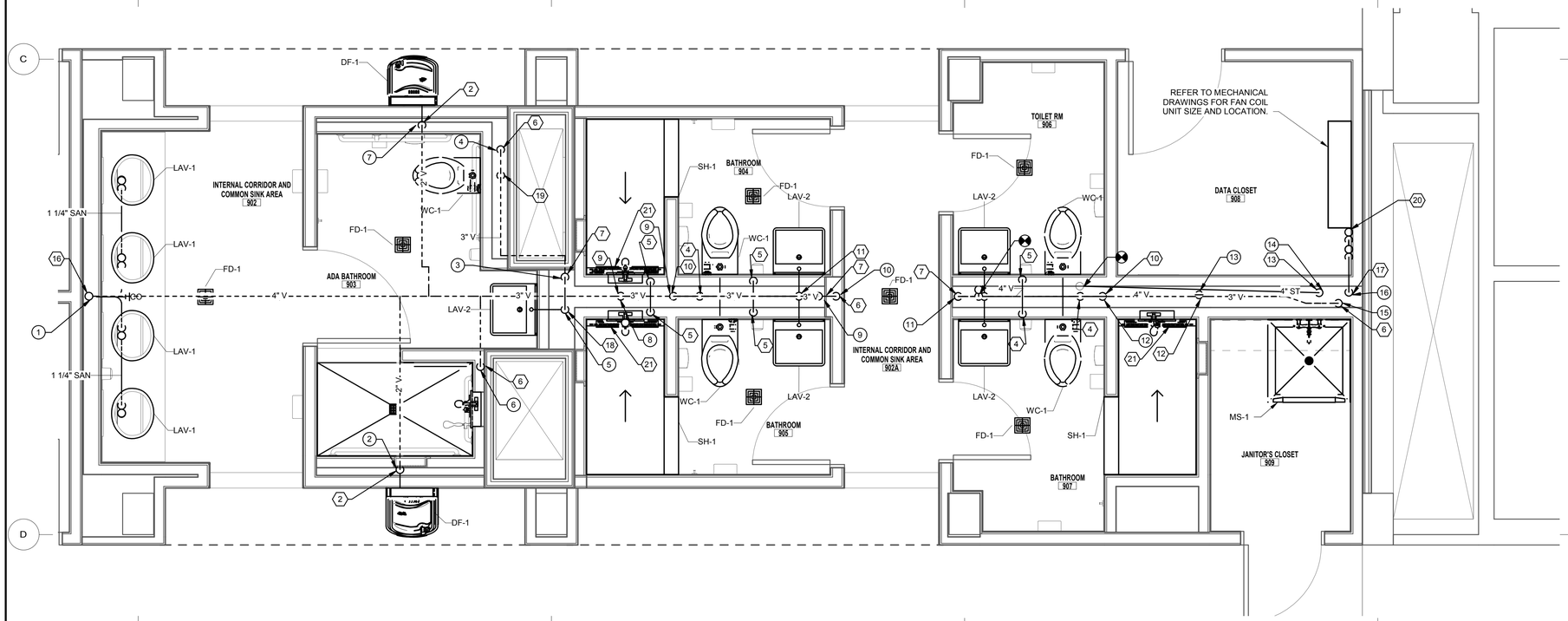
Drawing Title
TYP ENLARGED 2-8 SAN/V PLAN

Phase
100% SUBMISSION

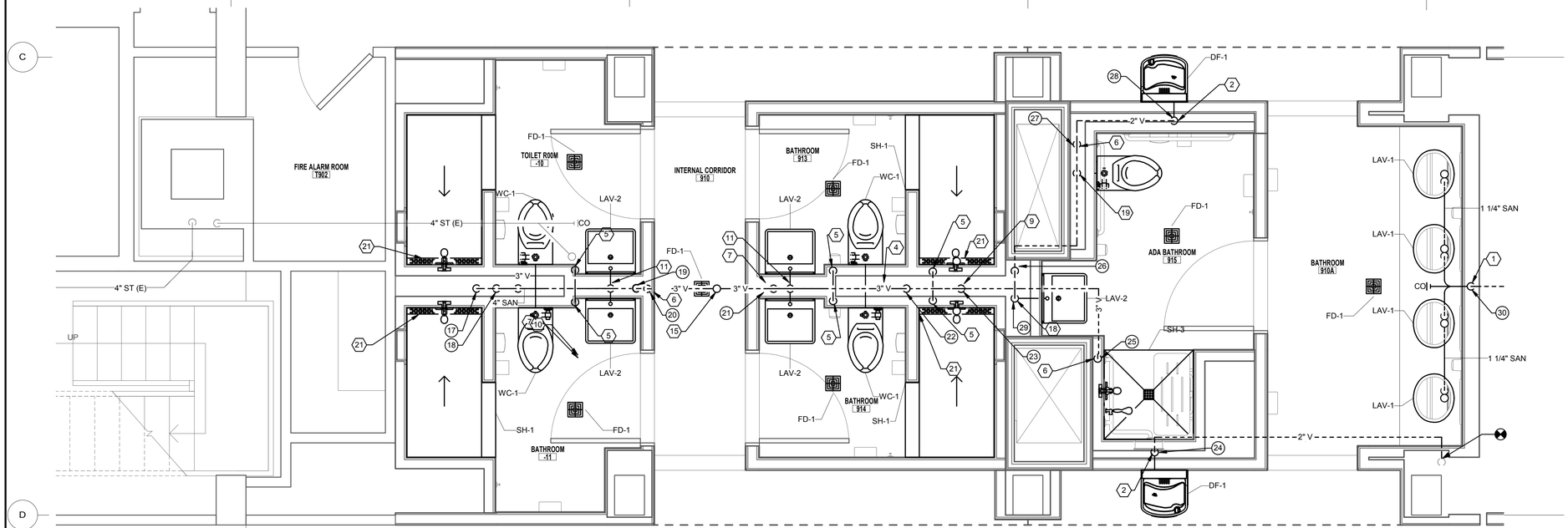
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · KARL L WYFFELS · LICENSED PROFESSIONAL ENGINEER · 065623

DASNY Project No: 319010-CR12
Drawing Number P301
Drawing 64 of 129



1 ENLARGED 9TH FLOOR SOUTH BATHROOM SAN/V PLAN
1/2" = 1'-0"



2 ENLARGED 9TH FLOOR NORTH BATHROOM SAN/V PLAN
1/2" = 1'-0"

KEYNOTES (X)

1.) 4" SAN DN TO EIGHTH FLOOR AND 4" V UP TO CEILING SPACE.
2.) 2" SAN DN TO EIGHTH FLOOR AND 2" V UP TO CEILING SPACE.
3.) 4" SAN DN TO EIGHTH FLOOR AND 3" V UP.
4.) 2" V DN TO SAN LINE.
5.) 1 1/2" V DN TO EIGHTH FLOOR.
6.) 3" V DN TO EIGHTH FLOOR.
7.) 3" V DN TO EIGHTH FLOOR AND UP TO CEILING SPACE.
8.) 1 1/4" SAN DN TO SAN LINE AND 1 1/4" V UP.
9.) 2" V UP TO CEILING SPACE AND DN TO EIGHTH FLOOR. 4" SAN DN TO EIGHTH FLOOR AND 3" V UP.
10.) 1 1/2" SAN DN TO SAN LINE AND 1 1/4" V UP.
11.) 4" V DN TO EIGHTH FLOOR.
12.) 4" ST DN TO EIGHTH FLOOR.
13.) CAP VTR ABOVE AND BELOW ROOF.
14.) PROVIDE 4" VTR.
15.) 4" SAN DN TO EIGHTH FLOOR AND 4" V UP THROUGH ROOF.
16.) 3/4" SAN DN TO EIGHTH FLOOR.
17.) 2 1/2" SAN DN TO EIGHTH FLOOR AND 2 1/2" V UP.
18.) 4" SAN DN TO EIGHTH FLOOR AND 2" V UP.
19.) REFER TO DETAIL 4 ON DWG P601 FOR INDIRECT DRAIN
20.) CONNECTION. TRENCH DRAIN
21.)

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

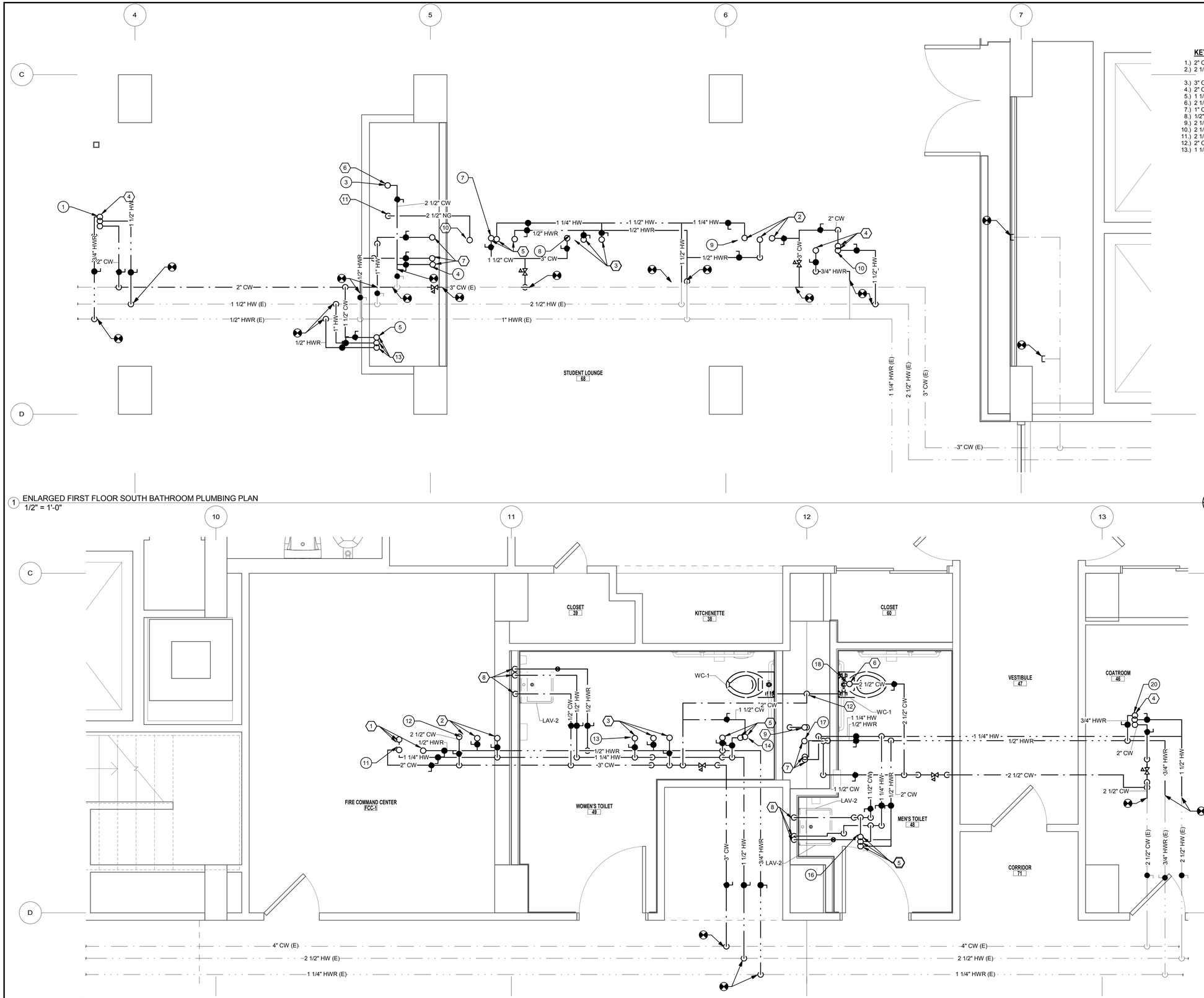
Drawing Title
ENLARGED 9TH FLOOR SAN/V PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK KARL L WYFFELS LICENSED PROFESSIONAL ENGINEER 065623

DASNY Project No: 319010-CR12
Drawing Number P302
Drawing 65 of 129



1 ENLARGED FIRST FLOOR SOUTH BATHROOM PLUMBING PLAN
1/2" = 1'-0"

2 ENLARGED FIRST FLOOR NORTH BATHROOM PLUMBING PLAN
1/2" = 1'-0"

KEYNOTES (X)

1.) 2" CW, 1 1/4" HW AND 1/2" HWR UP TO SECOND FLOOR.
2.) 2 1/2" CW, 1 1/4" HW AND 1/2" HWR UP TO SECOND FLOOR.
3.) 3" CW, 1 1/4" HW AND 3/4" HWR UP TO SECOND FLOOR.
4.) 2" CW, 1 1/2" HW AND 3/4" HWR UP TO SECOND FLOOR.
5.) 1 1/2" CW, 1 1/4" HW AND 1/2" HWR UP TO SECOND FLOOR.
6.) 2 1/2" CW UP TO SECOND FLOOR.
7.) 1" CW, 1" HW AND 1/2" HWR UP TO SECOND FLOOR.
8.) 1/2" CW, 1/2" HW AND 1/2" HWR DN TO LAV.
9.) 2 1/2" NG UP TO SECOND FLOOR AND DN TO BASEMENT.
10.) 2 1/2" NG UP TO SECOND FLOOR.
11.) 2 1/2" NG DN TO BASEMENT.
12.) 2" CW DN IN CHASE TO FEED WATER CLOSETS.
13.) 1 1/2" CW, 1" HW AND 1/2" HWR UP TO SECOND FLOOR.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

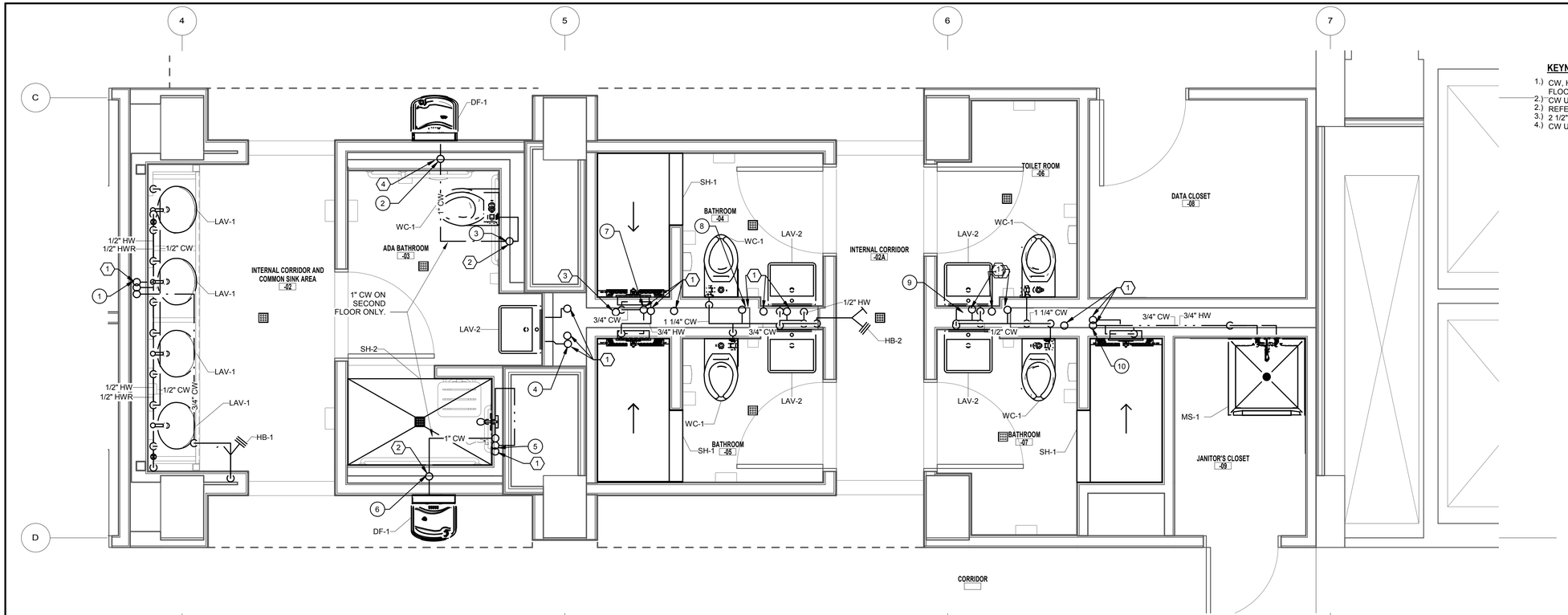
Drawing Title
ENLARGED FIRST FLOOR PLUMBING PLAN

Phase
100% SUBMISSION

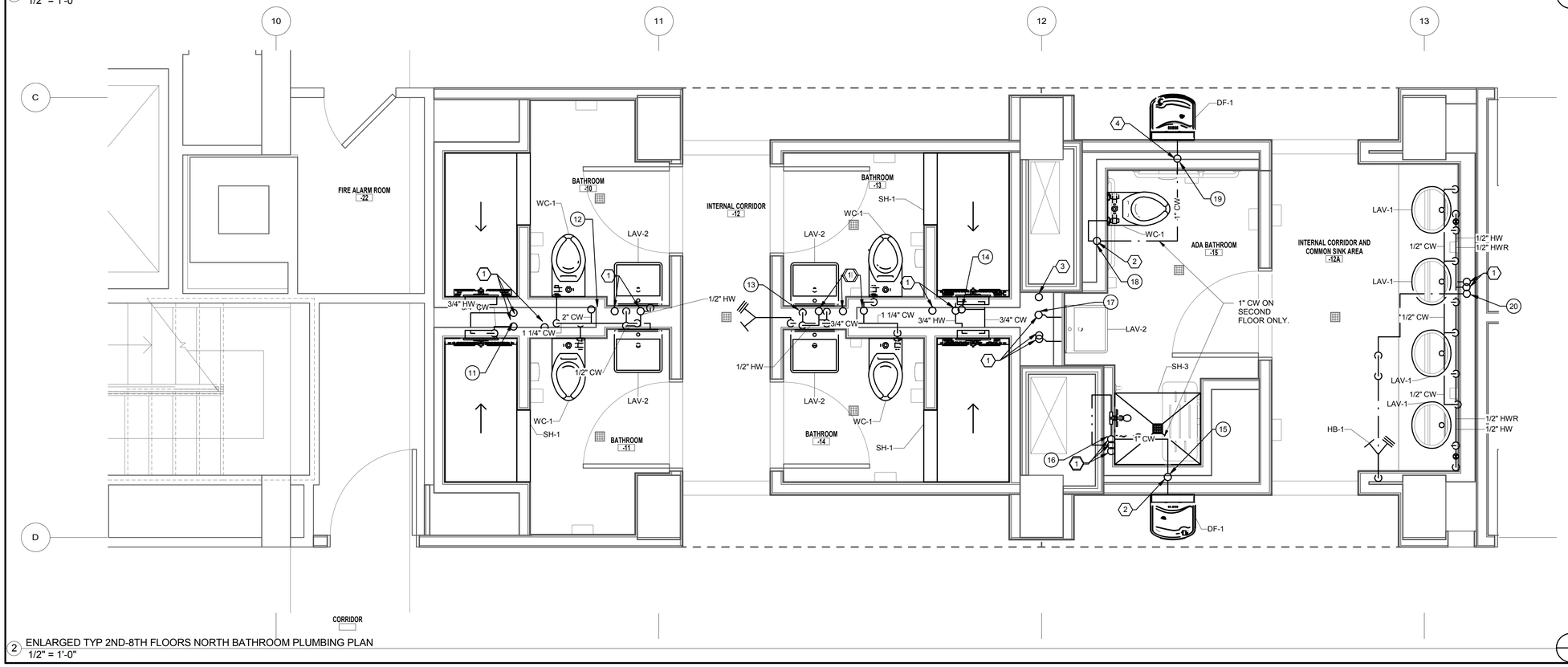
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK ADAM L. WYFFELS 085229 LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number P303
Drawing 66 of 129



1 ENLARGED TYP 2ND-8TH FLOOR SOUTH BATHROOM PLUMBING PLAN
1/2" = 1'-0"



2 ENLARGED TYP 2ND-8TH FLOORS NORTH BATHROOM PLUMBING PLAN
1/2" = 1'-0"

KEYNOTES (X)

1.) CW, HW AND HWR UP TO FLOOR ABOVE AND DN TO FLOOR BELOW. REFER TO RISER DIAGRAM FOR PIPE SIZE.
2.) CW UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
2.) REFER TO RISER DIAGRAM FOR PIPE SIZE
3.) 2 1/2" NG UP TO FLOOR ABOVE AND DN TO FLOOR BELOW.
4.) CW UP TO FLOOR ABOVE.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP ENLARGED 2-8 PLUMBING PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

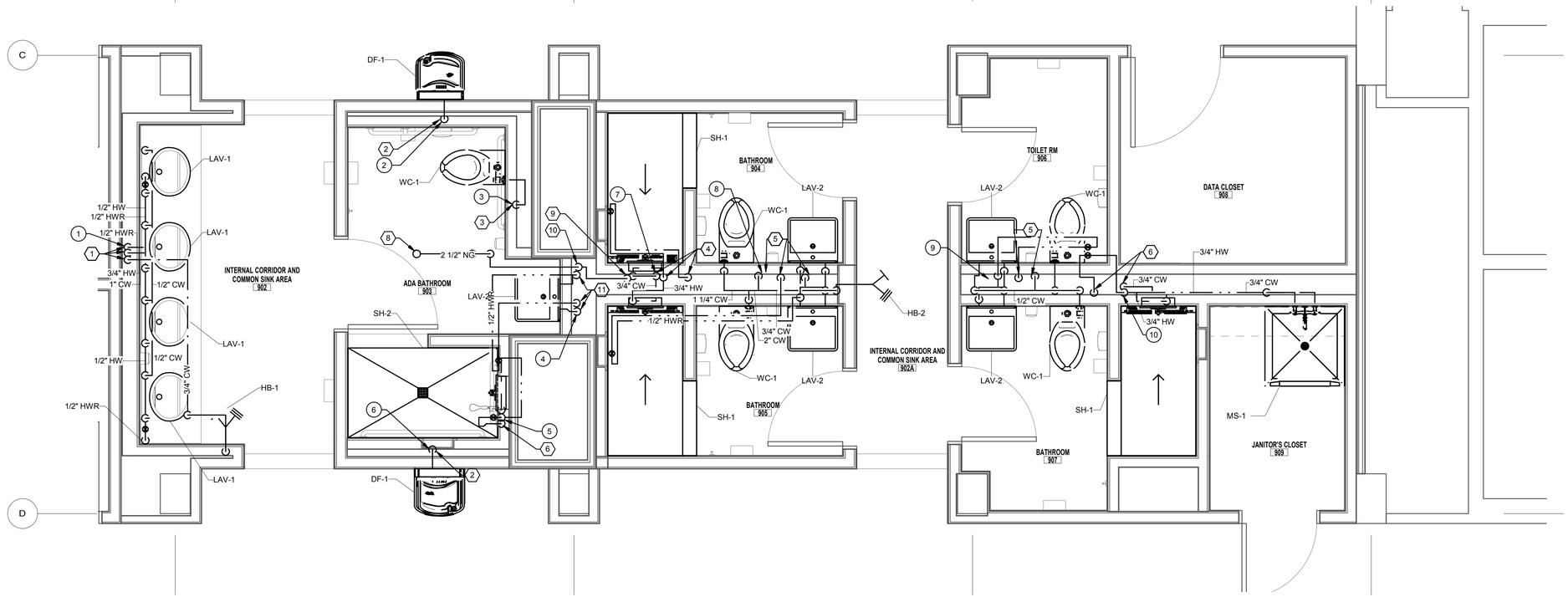
Seal & Signature

STATE OF NEW YORK ADAM L. WYFFELS 065229 LICENSED PROFESSIONAL ENGINEER

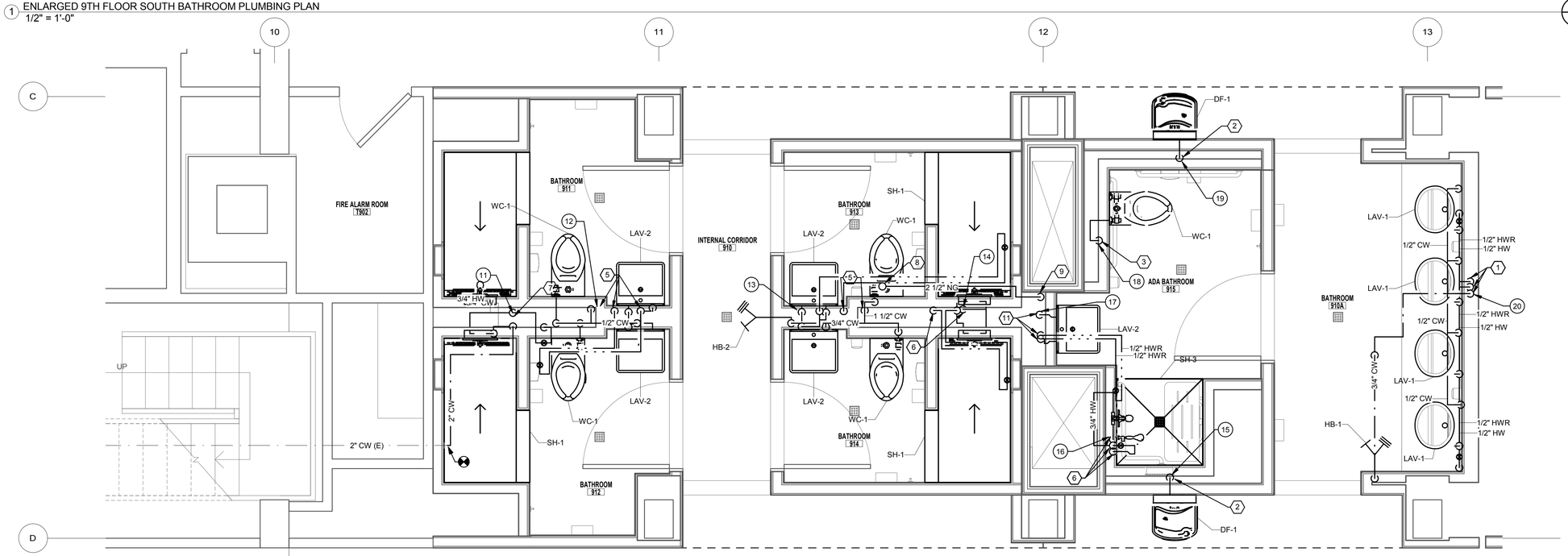
DASNY Project No: 319010-CR12

Drawing Number P304

Drawing 67 of 129



1 ENLARGED 9TH FLOOR SOUTH BATHROOM PLUMBING PLAN
1/2" = 1'-0"



2 ENLARGED 9TH FLOOR NORTH BATHROOM PLUMBING PLAN
1/2" = 1'-0"

KEYNOTES (X)

1.) 1" CW, 1/2" HW AND 1/2" HWR DN TO EIGHTH FLOOR.
2.) 1/2" CW DN TO EIGHTH FLOOR.
3.) 1 1/4" CW DN TO EIGHTH FLOOR.
4.) 3/4" CW, 3/4" HW AND 1/2" HWR DN TO EIGHTH FLOOR.
5.) 2" CW, 1/2" HW AND 1/2" HWR DN TO EIGHTH FLOOR.
6.) 3/4" CW, 3/4" HW AND 1/2" HWR DN TO EIGHTH FLOOR.
7.) 2" CW, 3/4" HW AND 1/2" HWR DN TO EIGHTH FLOOR.
8.) 2 1/2" NG UP TO ROOF.
9.) 2 1/2" NG DN TO EIGHTH FLOOR.
10.) 2 1/2" NG UP TO CEILING.
11.) 1/2" CW, 1/2" HW AND 1/2" HWR DN TO EIGHTH FLOOR.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

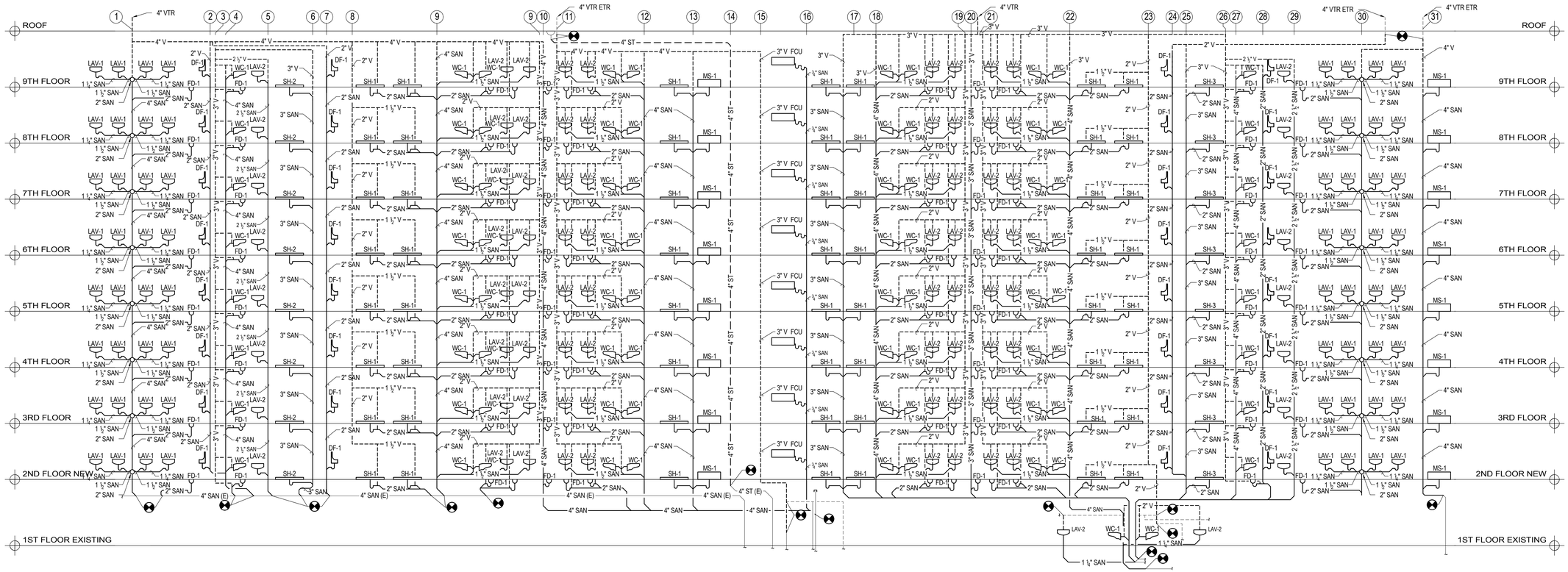
Drawing Title
ENLARGED 9TH FLOOR PLUMBING PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · MARK L. WYFFELS · 085623 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number P305
Drawing 68 of 129



1 SAN/V RISER DIAGRAM
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
SANITARY RISER DIAGRAM

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

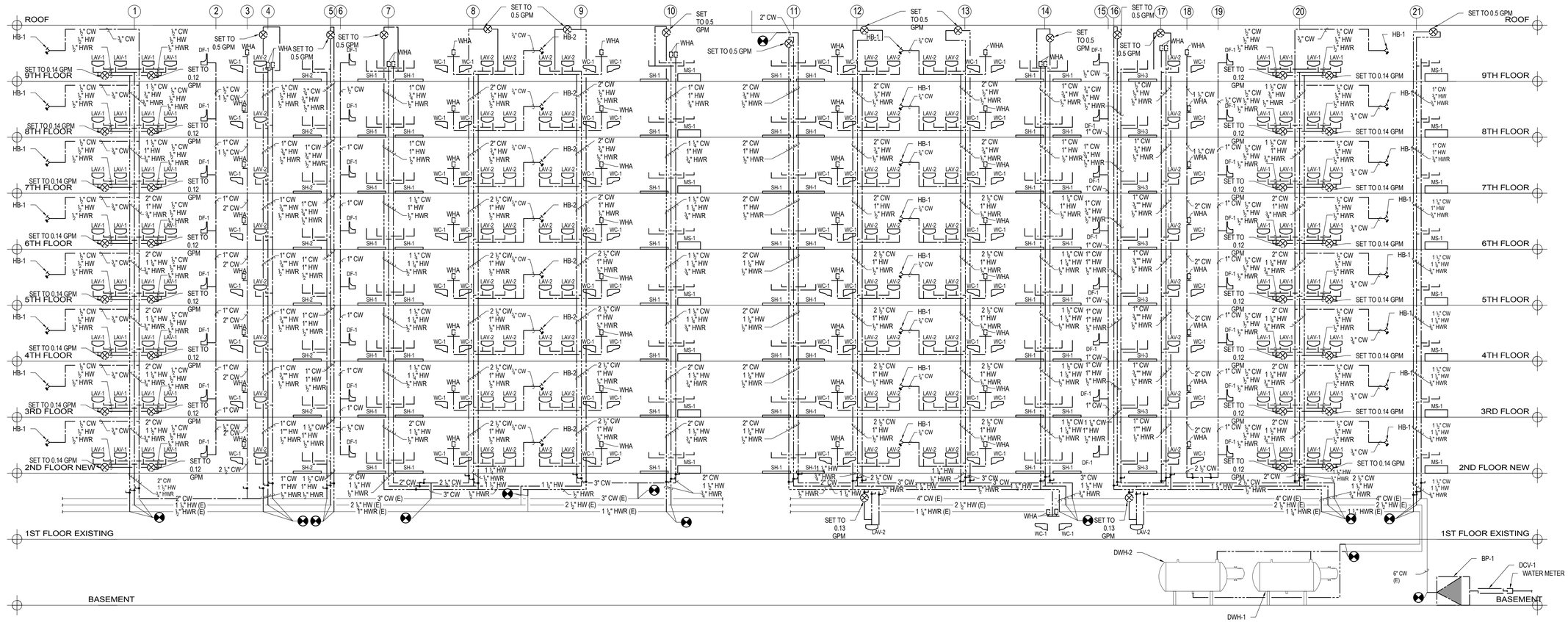
Seal & Signature

STATE OF NEW YORK · KARL L WYFFELS · LICENSED PROFESSIONAL ENGINEER · 065523

DASNY Project No:
319010-CR12

Drawing Number
P401

Drawing
69 of 129



1 PLUMBING RISER DIAGRAM
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING RISER DIAGRAM

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK · KAM L. WYFFELS · 085623 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
P402

Drawing 70 *of* 129

BACKFLOW PREVENTOR SCHEDULE

MARK	MANUFACTURER	MODEL	QTY	LOCATION	CONNECTION SIZE (NPS)	DESIGN FLOW (GPM)	MAXIMUM PRESSURE DROP (FT H2O)	REQUIRED ACCESSORIES/ NOTES	COMMENTS
DCV-1	WATTS	LF709	1	BASEMENT	6"	550	6	PROVIDE OS&Y VALVES, STRAINER, AND WATER METER.	

BOOSTER PUMP SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL	SERVICE	NOMINAL INLET PRESSURE (PSI)	HYDRAULIC DATA		MOTOR			PIPE CONN ON BOTH SIDES	NUMBER OF PUMPS	ACCESORIES
						DESIGN FLOW (GPM)	HEAD (FT)	NOMINAL POWER (hp)	RPM	VOLT-PH-FR EQUENCY			
BP-1	BASEMENT	PATTERSON	DMS-451-10-J-6	DOMESTIC WATER	68	225	101	10	3450	208-3-60	6"	2	PROVIDE VFD, DISCONNECT AND A 80 GAL DRAW DOWN TANK.

DOMESTIC HOT WATER EXPANSION TANK SCHEDULE

MARK	SERVICE	MINIMUM TANK	ACCEPTANCE VOLUME	MAX TANK PRESSURE (PSI)	FILL PRESSURE (PSI)	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
DET-1	DOMESTIC WATER	165	21.01	150.00 psi	68.00 psi	760	BELL AND GOSSETT	PT-452	

DRAWN DOWN TANK SCHEDULE

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY US GALLONS	DIA.	HEIGHT	TANK
DDT-1	THRUSH	FXA 300	79	24"	55"	REPLACEABLE BLADDER TANK

PLUMBING FIXTURE CONNECTION SCHEDULE

Mark	DESCRIPTION	ACCESSIBLE	CONNECTION SIZE (INCHES)				COMMENTS
			WASTE	VENT	CW	HW	
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLER	YES	1 1/4"	1 1/4"	1/2"		ELKAY ENHANCED EZH2O BOTTLE FILLING STATION & SINGLE ADA COOLER
FD-1	FLOOR DRAIN	NO	2"	1 1/2"			WATTS EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR, ADJUSTABLE SQUARE HEEL PROOF 6"X6" NICKEL BRONZE STRAINER AND NO HUB OUTLET.
HB-1	NARROW WALL HYDRANT	NO			3/4"		ENCASED MODERATE CLIMATE WALL HYDRANT FOR NARROW WALL INSTALLATION. COMPLETE WITH BRONZE BODY, ALL BRONZE INTERIOR PARTS, REPLACEABLE SEAT WASHER, SCREWDRIVER OPERATED STOP VALVE IN SUPPLY, KEY OPERATED CONTROL VALVE, AND 3/4" MALE HOSE CONNECTION STANDARD. ADJUSTABLE STAINLESS STEEL BOX FURNISHED WITH HINGED COVER AND CYLINDER LOCK
HB-2	WALL HYDRANT	NO			3/4"		ENCASED MODERATE CLIMATE WALL HYDRANT. COMPLETE WITH BRONZE BODY, ALL BRONZE INTERIOR PARTS, REPLACEABLE SEAT WASHER, SCREWDRIVER OPERATED STOP VALVE IN SUPPLY, KEY OPERATED CONTROL VALVE, AND 3/4" MALE HOSE CONNECTION STANDARD. ADJUSTABLE STAINLESS STEEL BOX FURNISHED WITH HINGED COVER AND CYLINDER LOCK
LAV-1	LAVATORY	YES	1 1/4"	1 1/4"	1/2"	1/2"	OVAL WITH OVERFLOW. PROVIDE 0.5 GPM HARD-WIRED SENSOR ACTIVATED FAUCET WITH INTEGRATED SIDE MIXER. PROVIDE BALANCING VALVE BELOW THE LAVATORY. PROVIDE KEYED STOPS BELOW LAVATORY.
LAV-2	LAVATORY	YES	1 1/4"	1 1/4"	1/2"	1/2"	WALL MOUNTED LAVATORY. PROVIDE 0.5 GPM HARD-WIRED SENSOR ACTIVATED FAUCET, INTEGRATED SIDE MIXER, KEYED STOPS AND TRAP GUARD.
MS-1	MOP SINK	NO	3"	2"	3/4"	3/4"	24"X24"X10" MOP SINK WITH WALL MOUNTED FAUCET, HOSE AND HOSE HOLDER, MOP HANGER, BUMPER GUARDS AND WALL GUARDS
SH-1	SHOWER	NO	2"	1 1/2"	3/4"	3/4"	BRUSHED 18 GUAGE, 304 STAINLESS STEEL RECESSED SHOWER ASSEMBLY TO BE CUSTOM FABRICATED. SEE DETAILS ON THE DRAWINGS. PROVIDE SINGLE HANDLE PRESSURE BALACING MIXING SHOWER UNIT, AND DRAIN.
SH-2	ADA WHEEL IN SHOWER	YES	2"	1 1/2"	3/4"	3/4"	PROVIDE SINGLE HANDLE PRESSURE BALACING MIXING SHOWER UNIT AND METAL HOSE WITH HAND SHOWERHEAD, UNIVERSAL ROUGH IN BOX AND DRAIN.
SH-3	ADA TRANSFER SHOWER	YES	2"	1 1/2"	3/4"	3/4"	PROVIDE SINGLE HANDLE PRESSURE BALACING MIXING SHOWER UNIT AND METAL HOSE WITH HAND SHOWERHEAD, UNIVERSAL ROUGH IN BOX AND DRAIN.
WC-1	WATER CLOSET	YES	4"	2"	1 1/4"		AMERICAN STANDARD AFWALL MILLENIUM FLOWISE DUAL FLUSH WATER CLOSET WITH HARD WIRED SENSOR ACTIVATED FLUSHOMETER

RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	HYDRAULIC DATA		SIZE		MOTOR			COMMENTS
				FLOW RATE	HEAD	SUCTION SIZE	DISCHARGE SIZE	HORSEPOWER	RPM	VOLT-PH-FREQUENCY	
RP-1	BELL & GOSSETT	ecocirc XL N 55-45	MECHANICAL ROOM	15	26	1 1/4"	1 1/4"	0.5	3347	208-1-60	PROVIDE WITH ECM MOTOR, AND DISCONNECT

SUMP PUMP SCHEDULE

MARK	Location	SERVICE	TYPE	DESIGN FLOW	HEAD	SOLIDS HANDLING	HORSEPOWER	VOLT-PH-FREQUENCY	BASIN DIMENSIONS	BASIN MATERIAL	REQUIRED ACCESSORIES/ NOTES	BASIS OF DESIGN MANUFACTURER	MODEL
SP-1	TECH ROOM	FAN COIL CONDENSATE	CENTRIFUGAL	10	30	3/8"'	0.50 hp	115/1/60	14.75"X14.1"	POLYPROPYLENE	PROVIDE WITH INTEGRAL HIGH LEVEL ALARM LIGHT AND BUZZER.	LIBERTY PUMPS	405/A
SP-2	TECH ROOM	FAN COIL CONDENSATE	CENTRIFUGAL	10	18	3/8"	0.33 hp	115/1/60	14.75"X11.3	POLYPROPYLENE	PROVIDE WITH INTEGRAL HIGH LEVEL ALARM LIGHT AND BUZZER.	LIBERTY PUMPS	404CV/A

WATER HEATER SCHEDULE

MARK	LOCATION	SERVICE	STEAM PRESSURE (PSI)	STEAM LOAD (PPH)	FLOW RATE (GPM)	TEMP RISE	CONTROLS	ELECTRIC	DIMENSIONS	REMARKS	MANUFACTURER	MODEL
DWH-1	BASEMENT	DOMESTIC WATER	25	615	16	90 °F	PART OF UNIT SKID	120/1/60	42"X124"X60"	PROVIDE WITH STAINLESS STEEL COILS AND 600 GAL STORAGE TANK	THERMAFLO	VSH600-636-DWEN
DWH-2	BASEMENT	DOMESTIC WATER	25	615	16	90 °F	PART OF UNIT SKID	120/1/60	42"X124"X60"	PROVIDE WITH STAINLESS STEEL COILS AND 600 GAL STORAGE TANK	THERMAFLO	VSH600-636-DWEN

DIGITAL MIXING VALVE SCHEDULE

MARK	MANUFACTURER	MODEL	MAXIMUM INLET HW SUPPLY TEMP	MINIMUM SYSTEM DRAW-OFF	DESIGN FLOW	CV COEFFICIENT	LEAVING WATER TEMPERATURE	RS485 SERIAL PORT	ELECTRICAL REQUIREMENT	CERTIFIED	COMMENTS
DMV-1	ARMSTRONG	DRV80	140 °F	0 GPM	85 GPM	42	110	Integral MODBUS RTU	110/1/60	ASSE STANDARD 1017 AND CSA B125	

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

PLUMBING SCHEDULES

Phase

100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

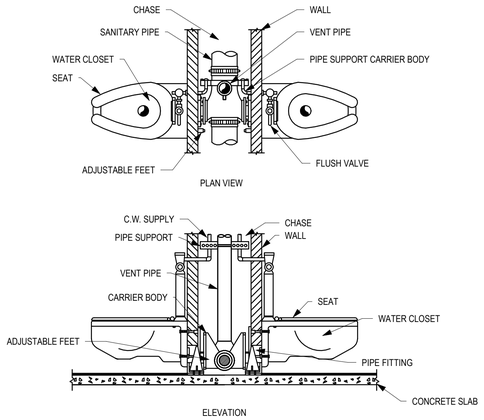
STATE OF NEW YORK · ALAN L. WHITTEN · 065229 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

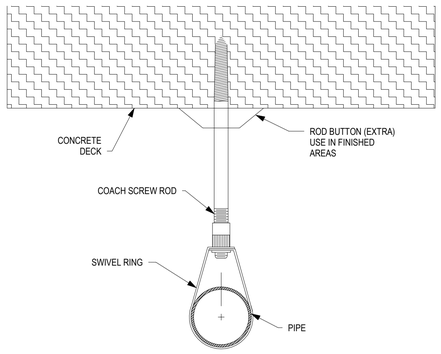
Drawing Number P501

Drawing 71 of 129

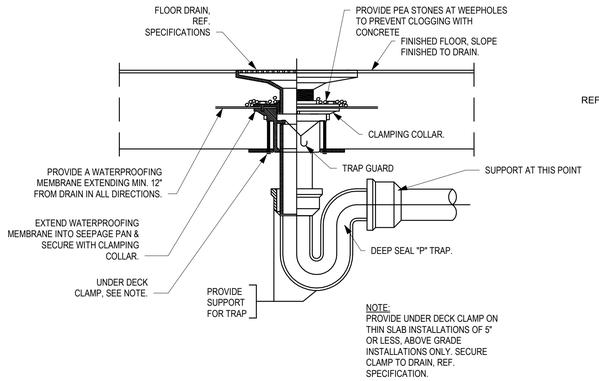
NOTE:
1. FOR CONTINUATION OF PIPING, SEE PLANS.



1 BACK TO BACK W.C. DETAIL
NTS



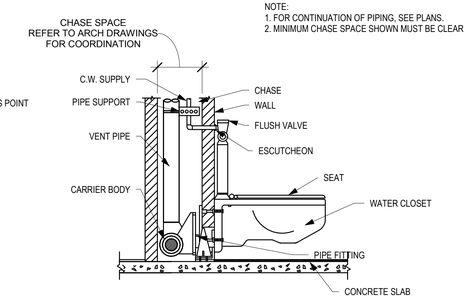
5 TYPICAL PIPE HANGER WITH SCREW IN ROD
NTS



NOTE:
PROVIDE UNDER DECK CLAMP ON THIN SLAB INSTALLATIONS OF 5" OR LESS, ABOVE GRADE INSTALLATIONS ONLY. SECURE CLAMP TO DRAIN, REF. SPECIFICATION.

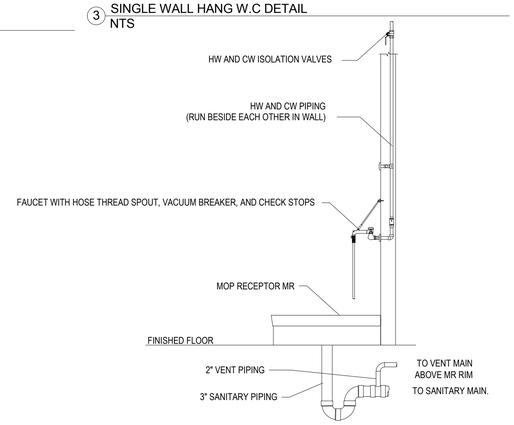
2 FLOOR DRAIN WITH TRAP GUARD
NTS

6 SHOWER TRENCH DRAIN DETAIL
NTS

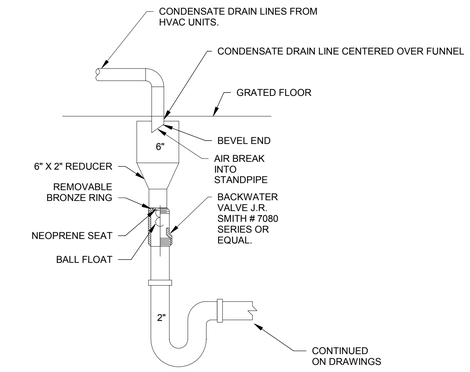


NOTE:
1. FOR CONTINUATION OF PIPING, SEE PLANS.
2. MINIMUM CHASE SPACE SHOWN MUST BE CLEAR

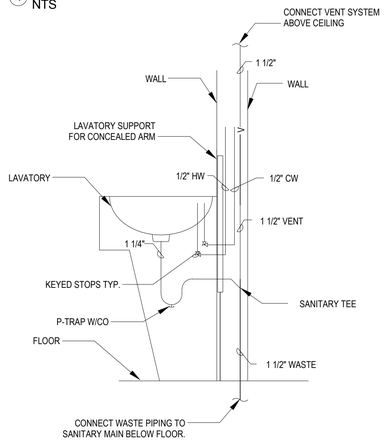
3 SINGLE WALL HANG W.C DETAIL
NTS



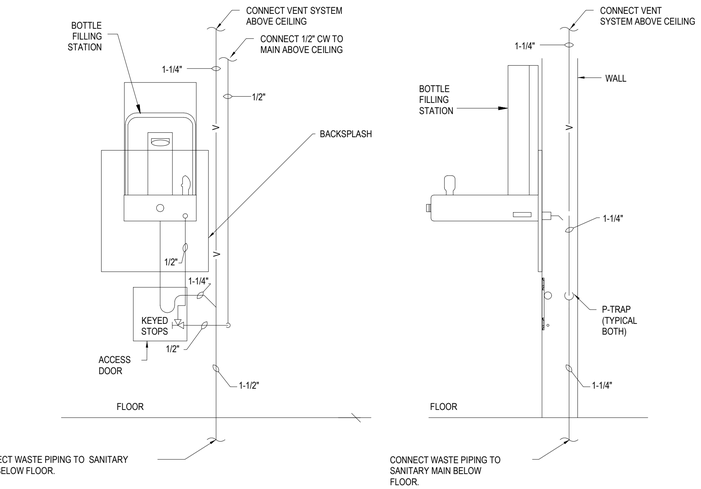
7 MOP RECEPTOR DETAIL
NTS



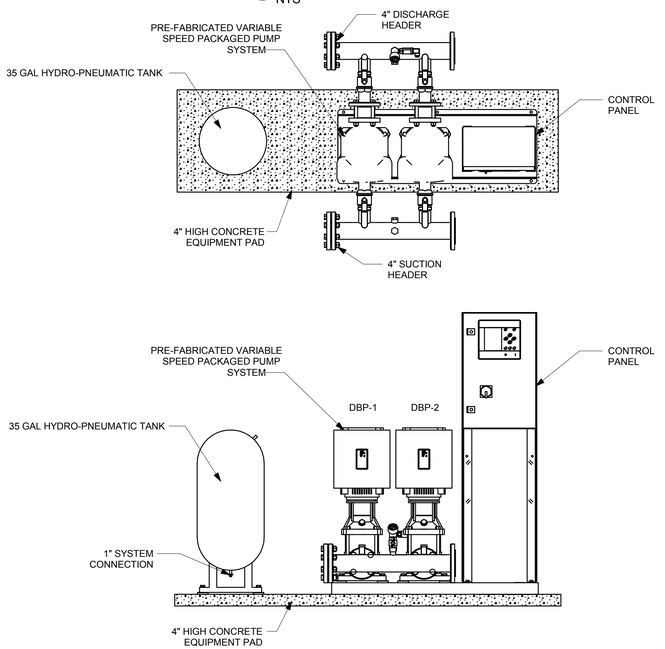
4 TYPICAL CONDENSATE DRAIN CONNECTION DETAIL
NTS



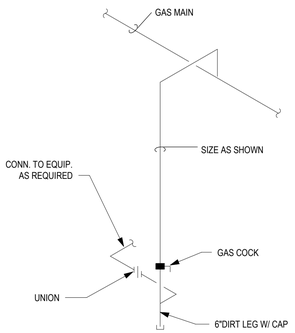
8 UNDERMOUNT LAVATORY DETAIL
NTS



9 DRINKING FOUNTAIN DETAIL
NTS



10 DUPLEX DOMESTIC WATER PRESSURE BOOSTER PUMP DETAIL
NTS



11 GAS CONNECTION PIPING DETAIL
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING DETAILS

Phase
100% SUBMISSION

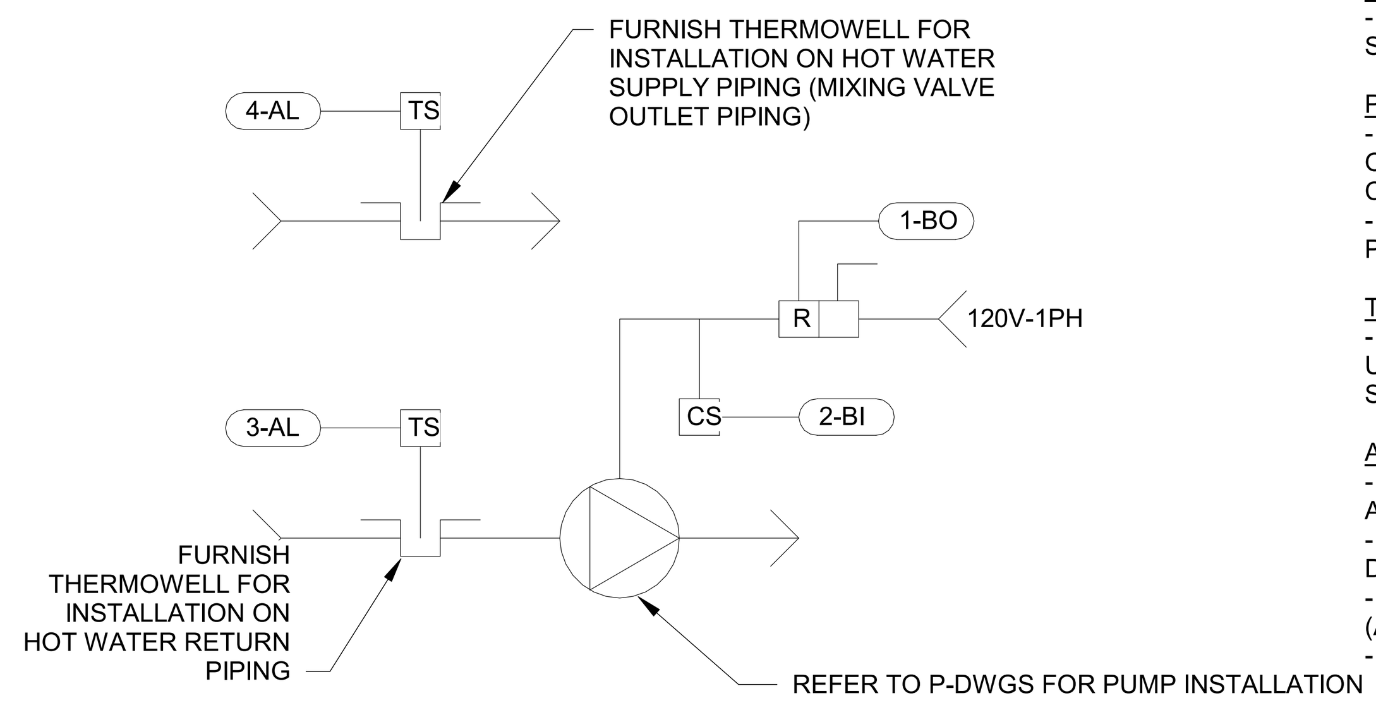
Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature
STATE OF NEW YORK JOAL L WYFELS LICENSED PROFESSIONAL ENGINEER 085523

DASNY Project No: 319010-CR12

Drawing Number P601

Drawing 72 of 129



SEQUENCE OF OPERATION

RUN CONDIITIONS
- THE CIRCULATION PUMP SHALL RUN ACCORDING TO A USER DEFINABLE SCHEDULE WITH A MINIMUM RUNTIME OF 5 MINUTES (ADJ).

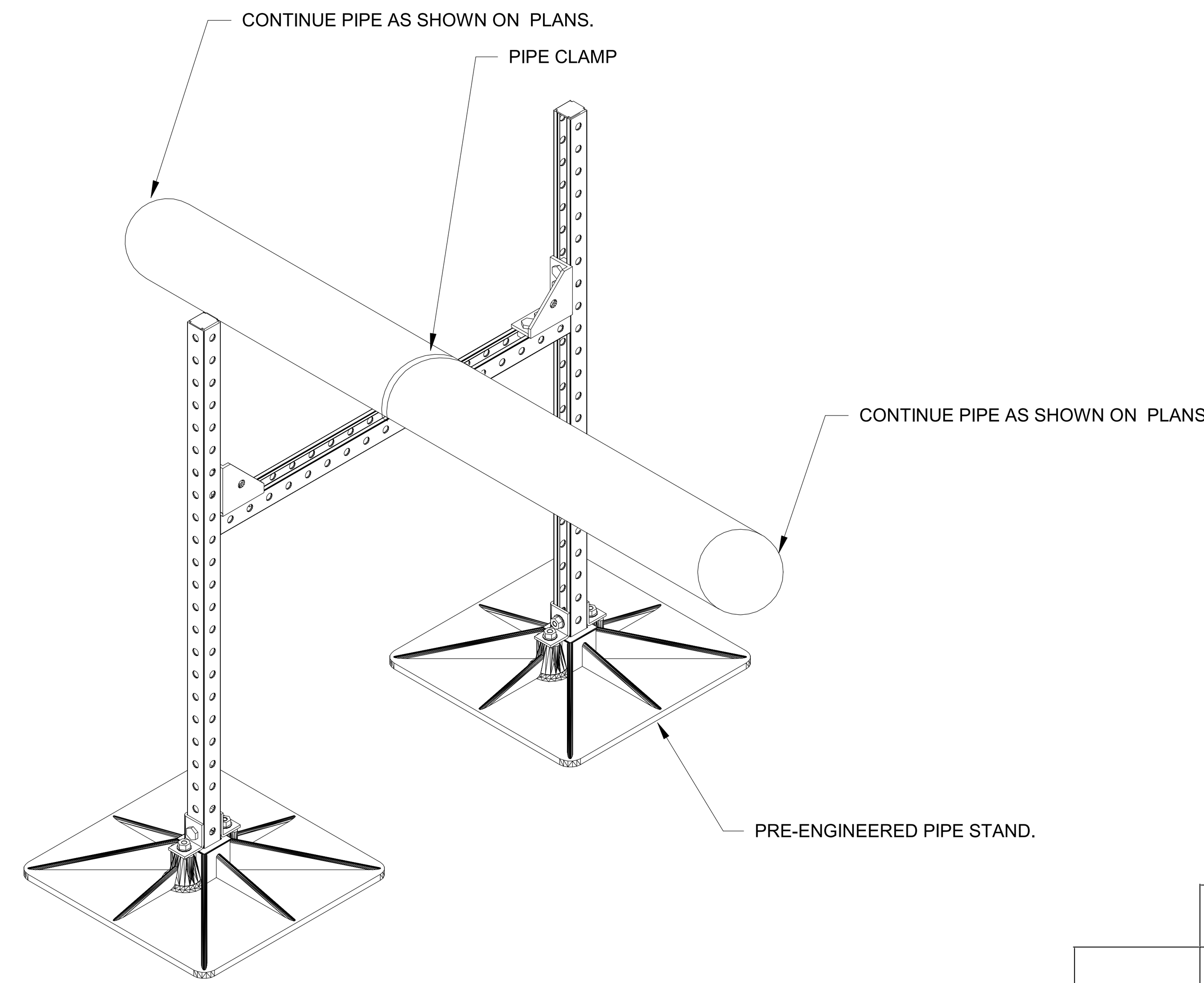
PUMP CONTROL
- CIRCULATION PUMP SHALL OPERATE INTERMITTENTLY BASED ON THE OCCUPANCY SCHEDULE AND RETURN WATER TEMPERATURE, CONTROLLER SHALL MONITOR PUMP STATUS
- CIRCULATION PUMP SHALL REMAIN DISABLED DURING UNOCCUPIED PERIODS.

TEMPERATURE CONTROL
- DURING THE OCCUPIED PERIOD THE CIRCULATION PUMP SHALL OPERATE UNTIL THE HOT WATER RETURN RISES TO 120 DEG F (ADJ). A 10 DEG F (ADJ) SETPOINT DEADBAND RANGE SHALL BE PROVIDED.

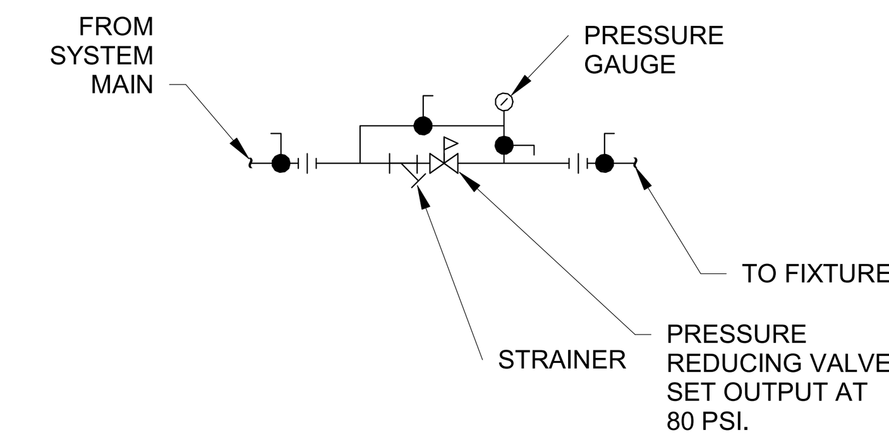
ALARM
- PUMP FAILURE: PUMP IS COMMANDED ON BUT STATUS IS NOT DETECTED AFTER 15 SECONDS (ADJ); PUMP SHALL BE DISABLED
- PUMP MAINTENANCE: PUMP STATUS RUNTIME EXCEEDS A USER DETERMINED LIMIT (ADJ)
- HIGH TEMPERATURE: SUPPLY WATER TEMPERATURE EXCEEDS 110 DEG F (ADJ).
- DHW UNIT ALARM.

		HARDWARE				SOFTWARE				ALARMS				
	DESCRIPTION	ANALOG INPUT	ANALOG OUTPU	BINARY INPUT	BINARY OUTPUT	ANALOG VIRTUA	BINARY VIRTUAL	SCHEDULE	TREND	DISPLAY	HIGH LIMIT	LOW LIMIT	RUN TIME	CRITICAL ALARM	NOTES
1	PUMP START/STOP				X			X		X					CONTROL RELAY
2	PUMP STATUS			X						X			X		CURRENT SWITCH
3	RETURN WATER TEMPERATURE	X								X					FURNISH THERMOWELL TO PIPING INSTALLER
4	WATER SUPPLY TEMPERATURE	X								X	X				FURNISH THERMOWELL TO PIPING INSTALLER

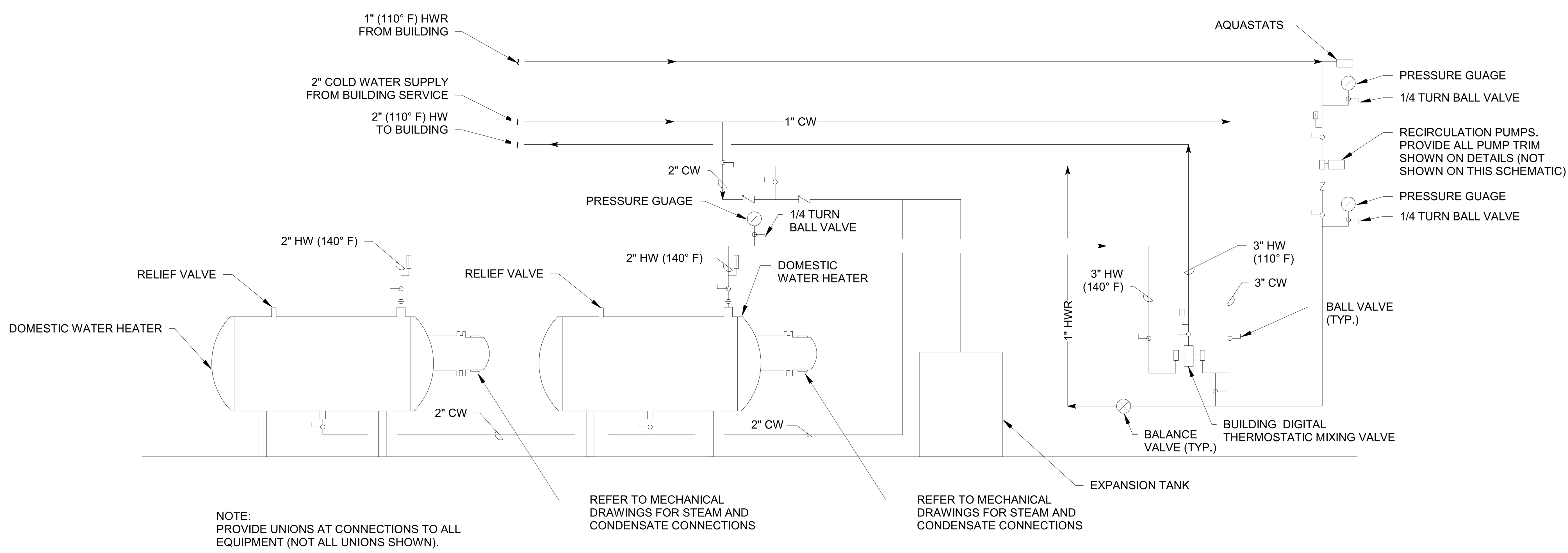
1 DOMESTIC HOT WATER CIRCULATION PUMP CONTROL
NTS



2 ROOF PIPE STAND DETAIL
NTS

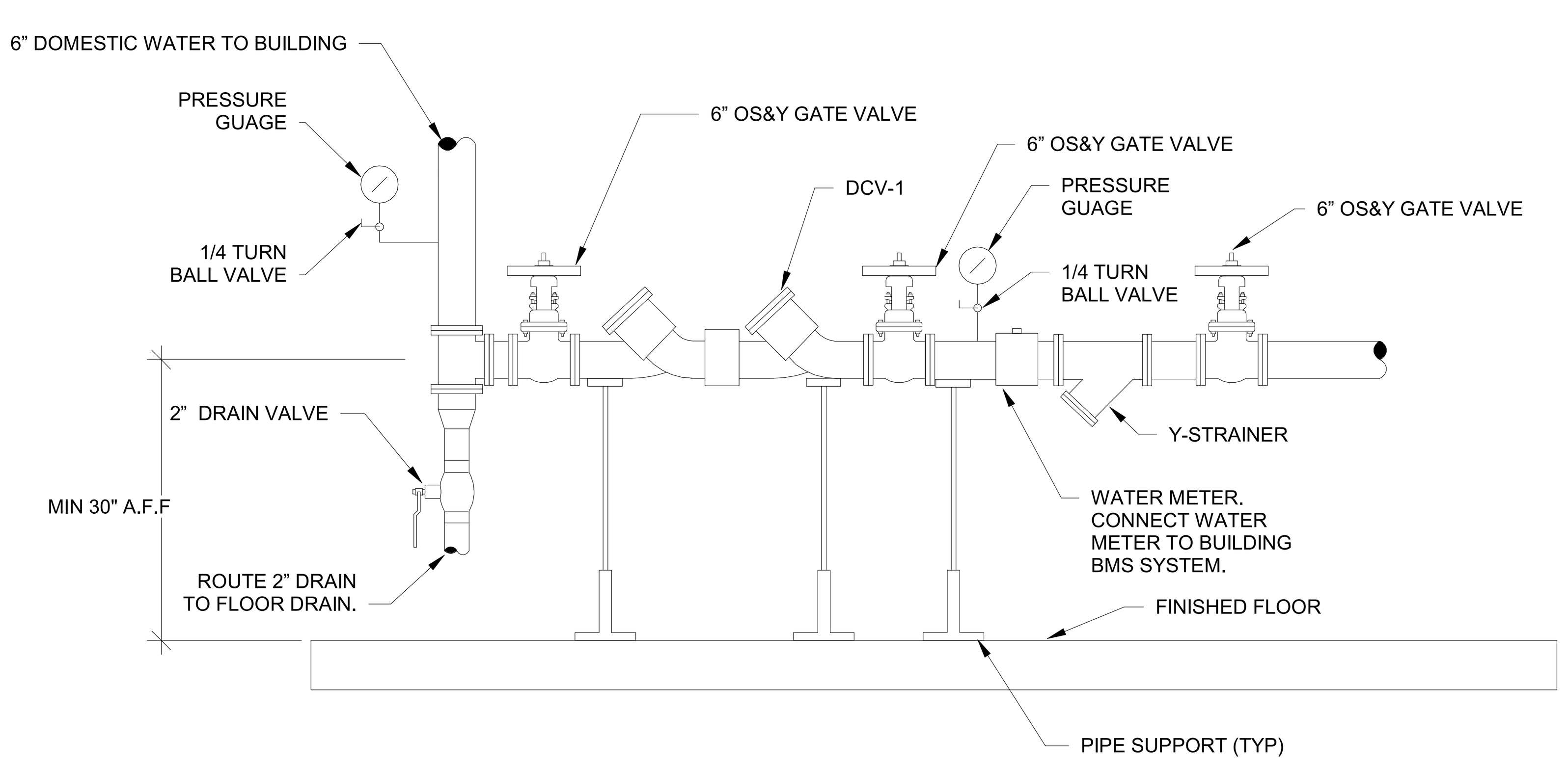


3 PRESSURE REDUCING VALVE DETAIL
12" = 1'-0"

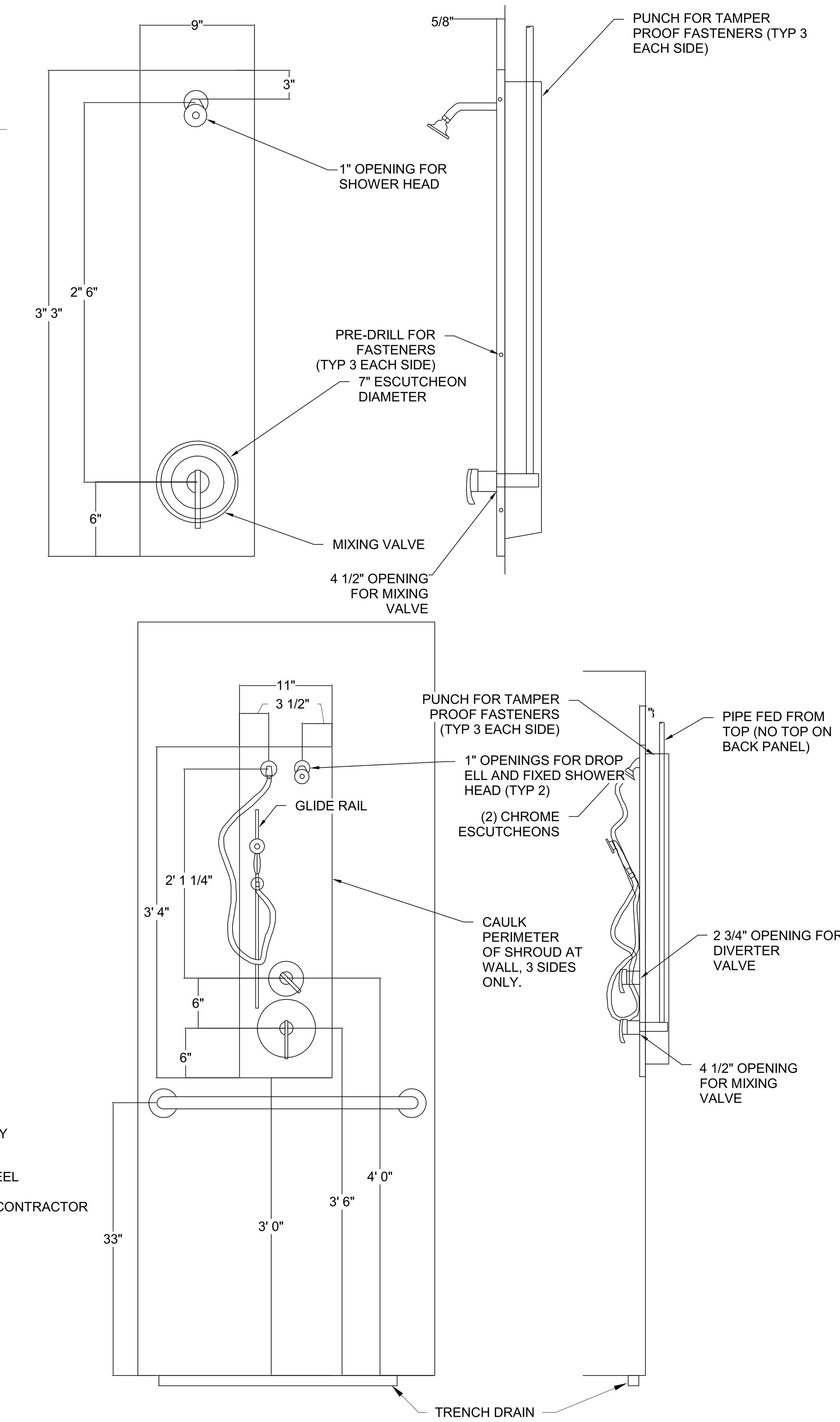


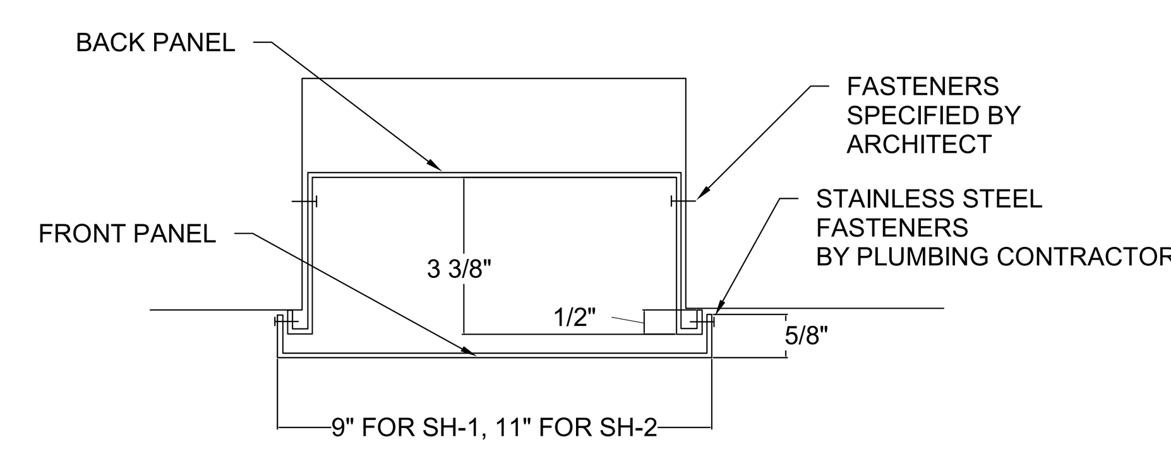
NOTE:
PROVIDE UNIONS AT CONNECTIONS TO ALL EQUIPMENT (NOT ALL UNIONS SHOWN).

4 DOMESTIC WATER HEATER RECIRC, AND MIX VALVE DETAIL
NTS



5 WATER SERVICE DETAIL
NTS





PLAN VIEW

NOTES:
1. SHOWER SHROUDS SHALL BE PROVIDED BY THIS CONTRACTOR. SHROUDS SHALL BE CONSTRUCTED OF BRUSHED 18 GAUGE 304 STAINLESS STEEL AND TO DIMENSIONS SHOWN ON THIS DETAIL. PLUMBING CONTRACTOR SHALL PROVIDE A FULL SIZE MOCK-UP (ONE FOR EACH SHOWER) TO THE ARCHITECT, ENGINEER AND OWNER'S APPROVAL PRIOR TO FABRICATION OF THE REMAIN SHROUDS. PLUMBING CONTRACTOR SHALL INSTALL SHOWER SHROUDS AND TRIM.
2. ALL COMPONENTS UTILIZED IN CONSTRUCTION OF SHROUDS SHALL BE STAINLESS STEEL.

6 SHOWER DETAIL
NTS

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377
POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
PLUMBING DETAILS

Phase
100% SUBMISSION

Drawn By: TW
Checked By: AW
Date: 12-14-2018

Seal & Signature
STATE OF NEW YORK ALAN L. WYFFELS 065629 LICENSED PROFESSIONAL ENGINEER
[illegible]

DASNY Project No: 319010-CR12
Drawing Number P602

MECHANICAL SYMBOL LIST

- 12/8 — DUCT (FIRST FIGURE, SIDE SHOWN, DIMENSIONS IN INCHES)
- 12/8 — SINGLE LINE DUCT (FIRST FIGURE, SIDE SHOWN, DIMENSIONS IN INCHES)
- DUCT SECTION - SUPPLY
- DUCT SECTION - RETURN
- DUCT SECTION -EXHAUST
- 14 — 14" ROUND DUCT
- 24/12 — 24" x 12" FLAT OVAL DUCT
- VOLUME DAMPER - MANUAL OPERATION
- VOLUME DAMPER - MANUAL OPERATION
- TURNING VANES
- ATV — ACOUSTICAL TURNING VANES
- R — RISE IN DIRECTION OF ARROW
- D — DROP IN DIRECTION OF ARROW
- VERTICAL BLADE POSITION / HORIZONTAL BLADE POSITION
- AD — FIRE DAMPER
- ACCESS DOOR TO BE LOCATED ON MOST ACCESSIBLE SIDE OF DUCT
- SD / AD — SMOKE DAMPER
- ACCESS DOOR TO BE LOCATED ON MOST ACCESSIBLE SIDE OF DUCT
- F/S / AD — COMBINATION FIRE / SMOKE DAMPER
- ACCESS DOOR TO BE LOCATED ON MOST ACCESSIBLE SIDE OF DUCT
- 12/8 — LINED DUCT (DIM. IS INTERNAL)
- FLEXIBLE CONNECTION
- T — THERMOSTAT
- T — PNEUMATIC THERMOSTAT
- S — SENSOR
- H — HUMIDISTAT
- CO — CO SENSOR
- 1 / 123 — REGISTER OR GRILLE - TOP NUMBER REPRESENTS TAG, SEE SCHEDULE; BOTTOM NUMBER REPRESENTS CFM.
- A / 123 — DIFFUSER - LETTER REPRESENTS TAG, SEE SCHEDULE; NUMBER REPRESENTS CFM.
- 5 — KEY NOTE
- 12 — ROOM NUMBER
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- HWS — HEATING WATER SUPPLY
- HWR — HEATING WATER RETURN
- LPS — LOW PRESSURE STEAM
- LPC — LOW PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM
- MPC — MEDIUM PRESSURE CONDENSATE
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- R — REFRIGERANT (SUCTION AND LIQUID)
- CTS — COOLING TOWER SUPPLY
- CTR — COOLING TOWER RETURN

- SHUT-OFF VALVE (GATE, BALL, OR BUTTERFLY)
- GLOBE VALVE
- CHECK VALVE
- BALANCING VALVE
- ANGLE VALVE
- VALVE ON VERTICAL
- VALVE(S) IN VERTICAL PIPE
- REDUCER
- PIPE BREAK
- BALL VALVE
- BUTTERFLY VALVE
- GATE VALVE - NRS
- GATE VALVE - OS&Y
- GLOBE VALVE
- PRESSURE REDUCING VALVE
- PNEUMATIC VALVE
- PNEUMATIC CONTROL VALVE (3 WAY)
- SOLENOID OR MOTORIZED VALVE
- SOLENOID OR MOTORIZED CONTROL VALVE (3 WAY)
- TRIPLE DUTY VALVE
- RELIEF VALVE
- STRAINER
- UNION
- FLANGE
- PRESSURE GAUGE
- THERMOMETER
- WHA — WATER HAMMER ARRESTER
- P-TRAP
- PUMP (SCHEMATIC)
- IN-LINE PUMP (PLAN)
- STEAM TRAP
- VALVE ON VERTICAL
- BRANCH OFF BOTTOM OF PIPE
- BRANCH OFF TOP OF PIPE
- FLEX CONNECTION
- EXPANSION JOINT WITH GUIDES
- PIPE ANCHOR
- PIPE GUIDE
- FD — FLOOR DRAIN
- FCO — FLOOR CLEAN OUT (PLAN VIEW)
- CO — CLEAN OUT
- EXISTING EQUIPMENT TO REMAIN
- EQUIPMENT TO BE REMOVED
- NEW CONNECTION TO EXISTING
- REMOVE TO THIS POINT
- : / xx — BUILDING SECTION
- : / xx — DETAIL NUMBER
- PIPE CONTINUATION
- X — KEYNOTE
- X — DEMOLITION KEYNOTE

HVAC ABBREVIATIONS

%	PERCENT
AC	ALTERNATING CURRENT
ACU(S)	AIR CONDITIONING UNIT(S)
ADJ	ADJACENT
AF	AIR FOIL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AMB	AMBIENT
AMP	AMPERE (AMP,AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE (LY)
AVG	AVERAGE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BO	BOTTOM OF
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
CAP	CAPICITY
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CLR	CLEAR
CMPR	COMPRESSOR
COL	COLUMN
CONN	CONNECTION
COMB	COMBUSTION
CONC	CONCRETE
COND	CONDENS (-ER,-ING,-ATION,-ATE)
CONT	CONTINUOUS
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CU IN	CUBIC INCH
CU FT	CUBIC FEET
CV	VALVE FLOW COEFFICIENT
DB	DECIBEL
db	DRY BULB
DC	DIRECT CURRENT
DEG	DEGREE
DEMO	DEMOLITION
DIA	DIAMETER
DWG	DRAWING
E	PREFIX FOR EXISTING
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDR	EQUIVALENT DIRECT RADIATION
ELEV	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EST	ESTIMATED
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E,-ING,-ED,-OR)
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	FAHRENHEIT
FA	FREE AREA
FIN	FINISHED
FL	FLOOR
FLA	FULL LOAD AMPS
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT OR FEET
FUT	FUTURE
FV	FACE VELOCITY
G	GLYCOL
GA	GAGE OR GAUGE
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GR	GRAINS
HC	HVAC CONTRACTOR
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPS	HIGH PRESSURE STEAM
HYR	HEATING WATER RETURN
HYS	HEATING WATER SUPPLY
HR	HOUR
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	FREQUENCY
ID	DIAMETER, INSIDE
IN	INCH
INSUL	INSULATION
INT	INTERIOR
IPS	IRON PIPE SIZE
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FEET
LG	LENGTH
LIN FT	LINEAL FOOT OR FEET
LOC	LOCATION
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MATL	MATERIAL
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MCA	MINIMUM CIRCUIT AMPS.
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPS	MEDIUM PRESSURE STEAM
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OA	OUTSIDE AIR
OD	DIAMETER, OUTSIDE
OPP	OPPOSITE HAND
OZ	OUNCE
ODWH	ON DEMAND WATER HEATER
OPG	OPENING
OS	OPEN SITE
OT	OFF TOP
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PH	PHASE (ELECTRICAL)
PPM	PARTS PER MILLION
PR	PAIR
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
R12,R22	REFRIGERANT (12,22,ETC)
RA	RETURN AIR
RAD	RADIATION
RCVR	RECEIVER
RECIRC	RECIRCULATE
RH	RELATIVE HUMIDITY
REF	REFERENCE
RLA	RUNNING LOAD AMPS
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SCFM	CFM, STANDARD CONDITIONS
SIM	SIMILAR
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPLY	SUPPLY
SQ	SQUARE
SQ FT	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH (INCHES)
ST	STEEL
STD	STANDARD
SUCT	SUCTION
T'STAT	THERMOSTAT
TA	THROW AWAY
TBD	TO BE DETERMINED
TC	TEMPERATURE CONTROL CONTRACTOR
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TO	TOP OF
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VAC	VACUUM
VAR	VARIABLE
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENTILATION, VENT
VERT	VERTICAL
VIF	VERIFY IN FIELD
VOL	VOLUME
W	WATT
wb	WET BULB
W/	WITH
WBT	WET BULB TEMPERATURE
WH	WHITE
W/O	WITH OUT
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTD	WATER TEMPERATURE DROP

GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY CONSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF NEW YORK STATE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
5. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE DAMPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR DUCTWORK AS PER THE MECHANICAL CODE OF NEW YORK STATE. (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CONSTRUCTION.)
6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURERS REQUIREMENTS FOR INSTALLATION OPERATION, AND MAINTENANCE, CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
7. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
8. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
10. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
13. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
14. COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
15. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
16. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PERFORM ALL TESTING, ADJUSTING, AND BALANCING IN ACCORDANCE WITH THE SPECIFICATIONS.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMP MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
18. PROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4-INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
19. LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION. SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
20. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT/ENGINEER.
21. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
22. FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
23. ALL SYSTEMS THAT ARE AFFECTED BY THIS PROJECT SHALL HAVE ALL OF THEIR EXISTING PNEUMATIC CONTROLS REMOVED AND REPLACED WITH DDC CONTROLS (I.E. VALVES, DAMPERS, ETC.)
24. FURNISH AND INSTALL ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS FOR INSTALLATION BY GENERAL CONTRACTOR.
25. FURNISH AND INSTALL ALL CURBS FOR ALL ROOF MOUNTED EQUIPMENT AND DUCT PENETRATIONS FOR INSTALLATION BY GENERAL CONTRACTOR.
26. PERFORM ALL CUTTING AND ROUGH PATCHING AS REQUIRED IN THE EXECUTION OF THE WORK, INCLUDING FINISH PATCHING AND FLASHING.
27. COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

WORK IN EXISTING AREAS

1. EXISTING CONDITIONS, INCLUDING EQUIPMENT, DUCT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
2. CUT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH PATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. PERFORM AL CUTTING AND PATCHING WORK IN A MANNER SUCH THAT ANY EXISTING WARRANTEES/GUARANTEES ARE NOT VOIDED. USE QUALIFIED PERSONNEL IN PERFORMANCE OF THE WORK.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL LEGEND

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK — JAMES W. WARD — OSWEGO — LICENSED PROFESSIONAL ENGINEER

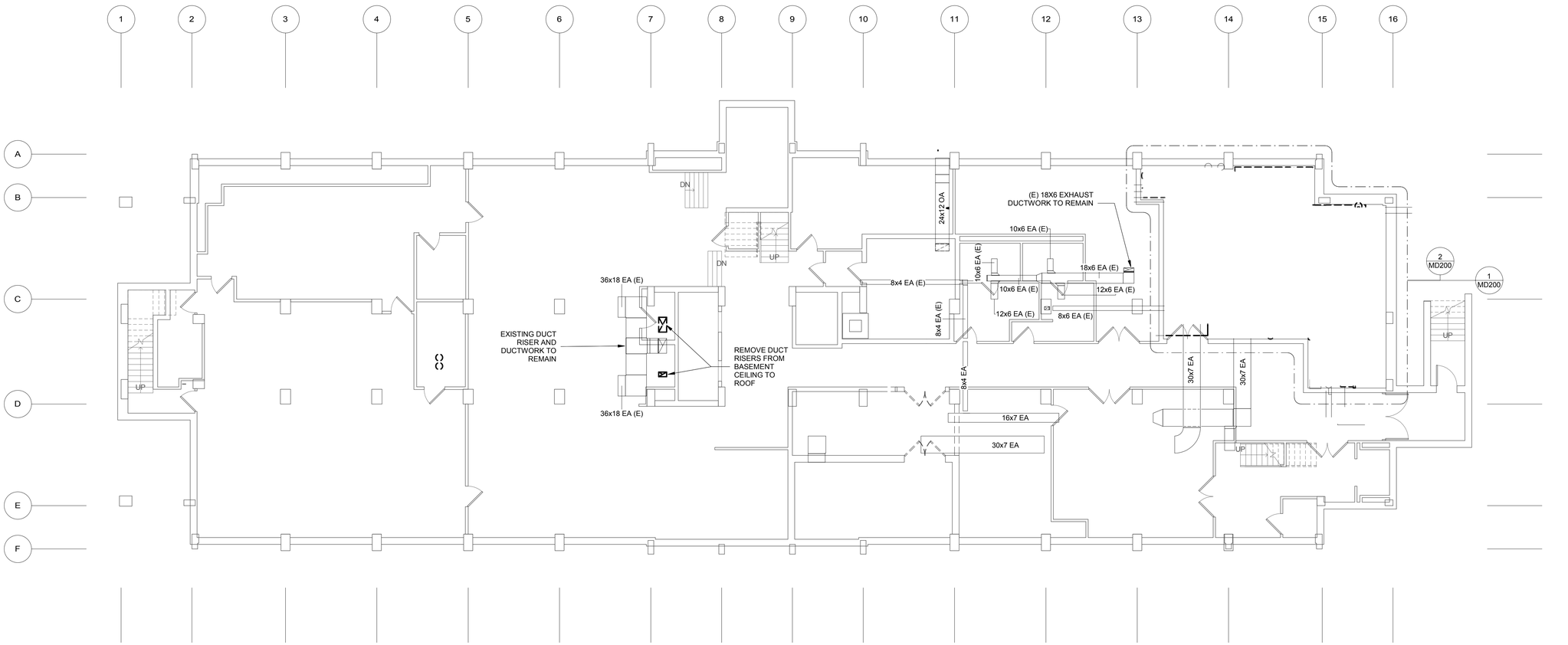
DASNY Project No: 319010-CR12

Drawing Number
M001

Drawing 74 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 BASEMENT MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT MECHANICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK — JAMES W. WARD — 090406 — PROFESSIONAL ENGINEER

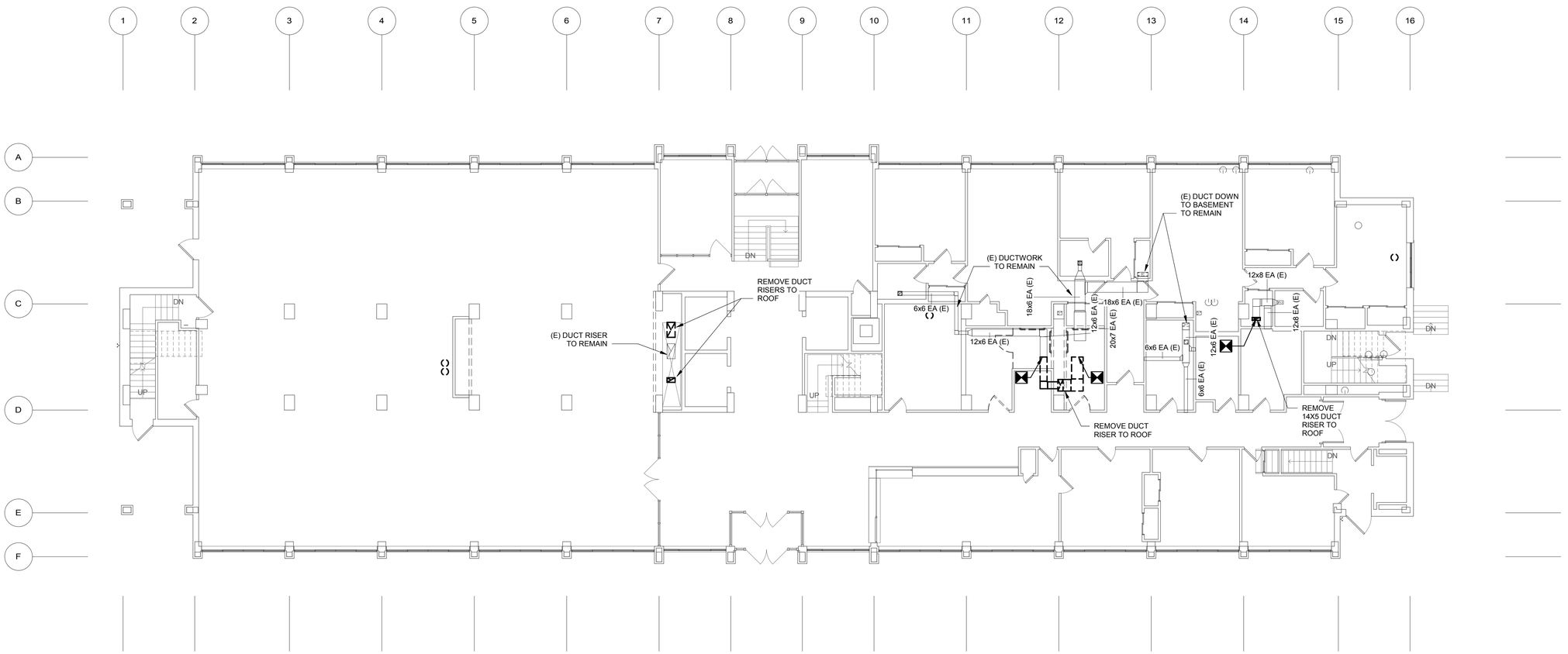
DASNY Project No: 319010-CR12

Drawing Number MD100

Drawing 75 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



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

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR MECHANICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
BW		12-14-2018

Seal & Signature

STATE OF NEW YORK — JAMES W. MCMANUS — LICENSED PROFESSIONAL ENGINEER

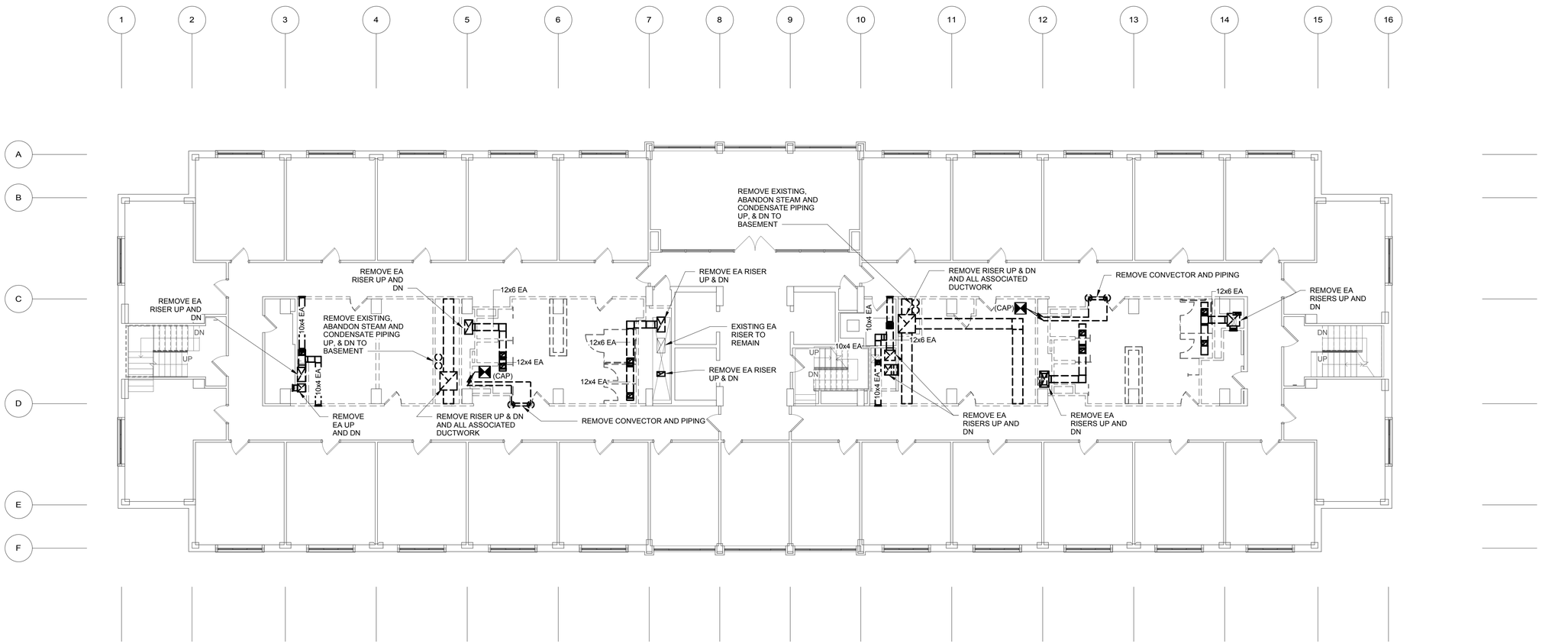
DASNY Project No: 319010-CR12

Drawing Number MD101

Drawing 76 *of* 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 TYP 2-9 FLOOR MECHANICAL DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-8 FLOOR MECHANICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK — JOHN W. WARD — OSWEGO — LICENSED PROFESSIONAL ENGINEER

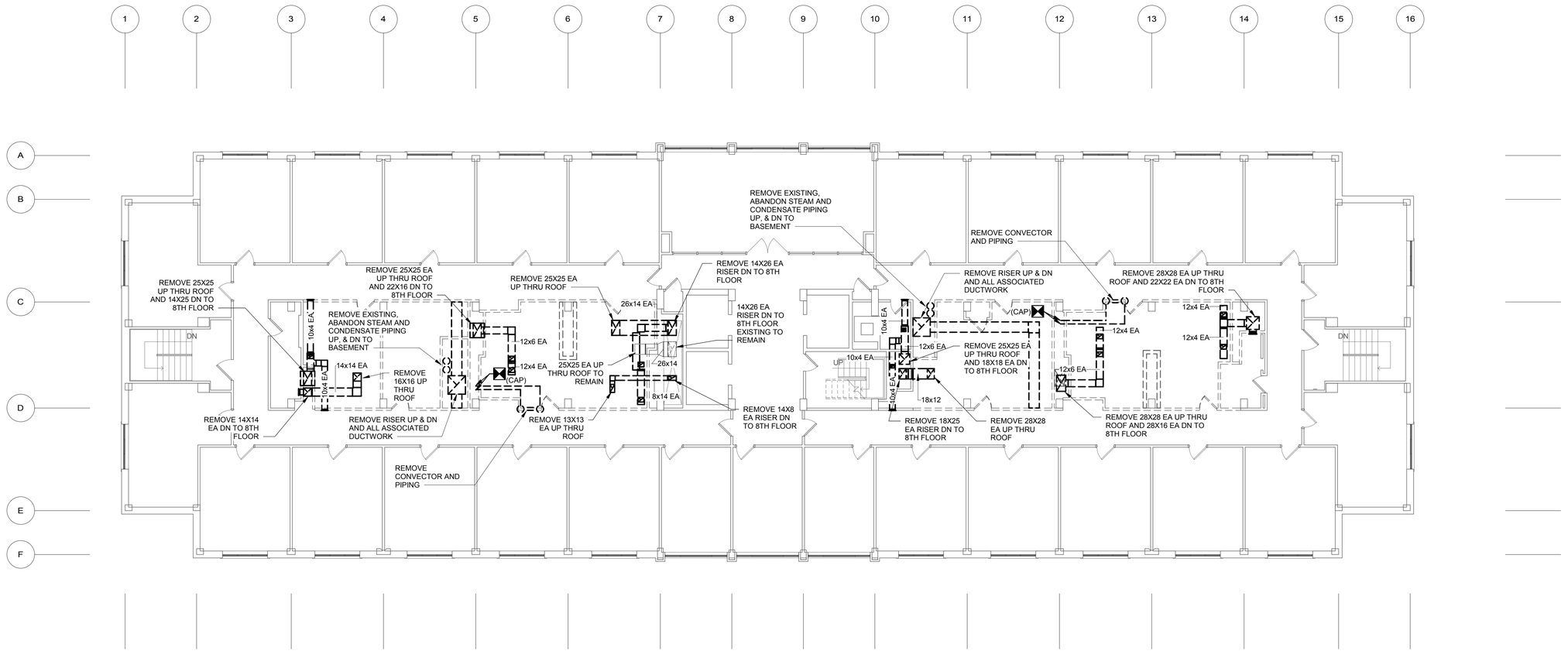
DASNY Project No: 319010-CR12

Drawing Number MD102

Drawing 77 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 9TH FLOOR MECHANICAL DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
9TH FLOOR MECHANICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK — JAMES M. WARD — 099906 — LICENSED PROFESSIONAL ENGINEER

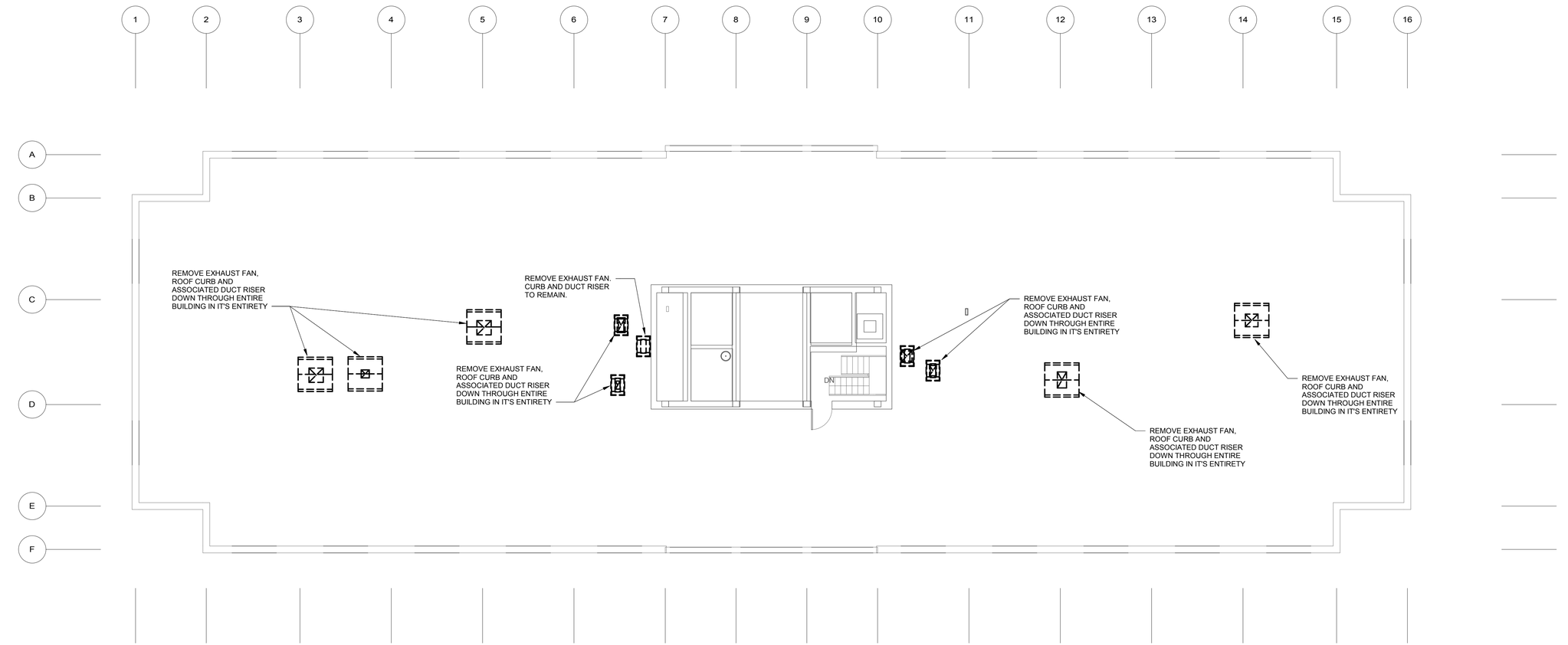
DASNY Project No: 319010-CR12

Drawing Number MD103

Drawing 78 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.



1 ROOF MECHANICAL DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ROOF MECHANICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

Seal & Signature

STATE OF NEW YORK · JAMES W. WARD · 090906 · LICENSED PROFESSIONAL ENGINEER

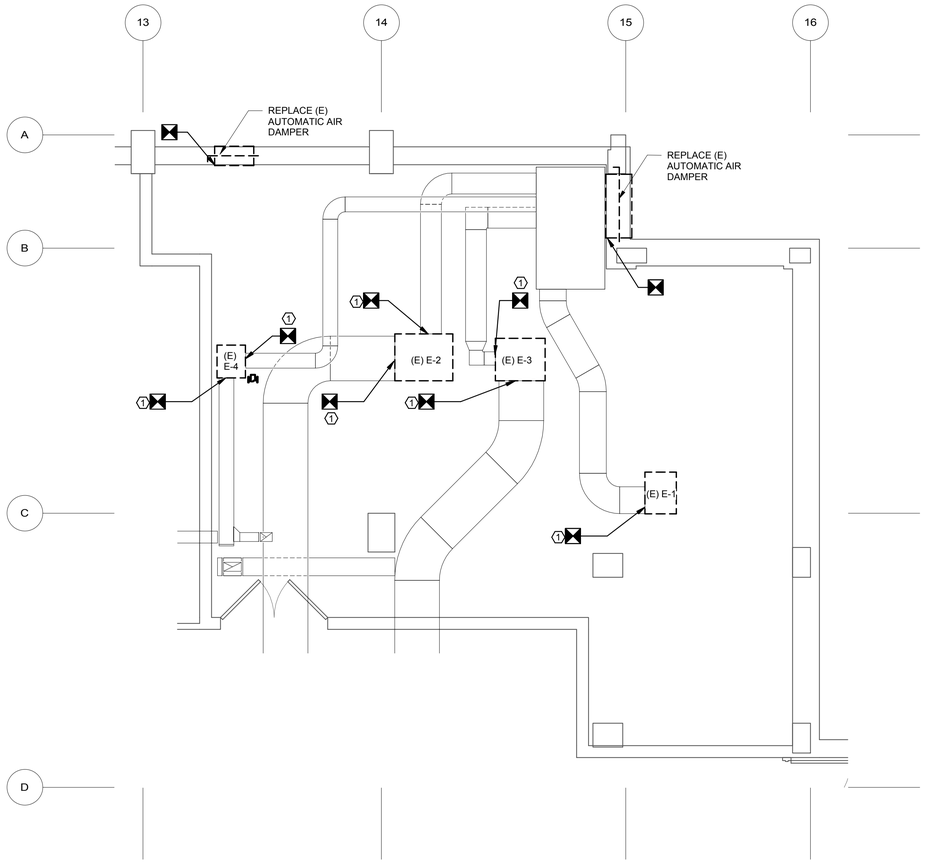
DASNY Project No:
319010-CR12

Drawing Number
MD104

Drawing
79 of 129

DEMOLITION KEYNOTES: ⟨#⟩

1. DISCONNECT AND REMOVE EXHAUST FAN, CAP DUCTWORK. DUCTWORK TO REMAIN FOR INSTALLATION OF NEW FAN.



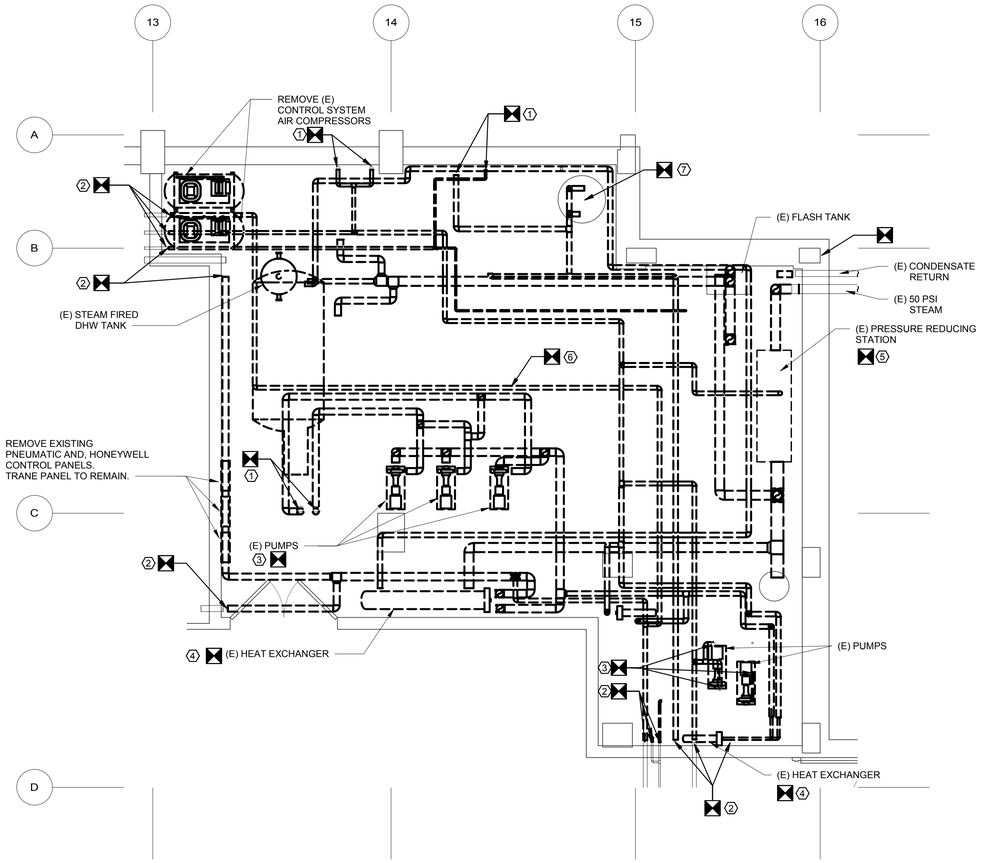
1 ENLARGED MECHANICAL ROOM DEMOLITION PLAN - DUCTWORK
1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

DEMOLITION KEYNOTES: ⟨#⟩

1. DISCONNECT PIPE RISER BELOW FLOOR AND CAP
2. REMOVE PIPING AT WALL OF MECHANICAL ROOM AND CAP.
3. REMOVE PUMPS AND ALL ASSOCIATED PIPING TO WALL OF MECHANICAL ROOM AND/OR PIPE RISERS BELOW FLOOR.
4. REMOVE HEAT EXCHANGER AND ALL ASSOCIATED PIPING AND TRAPS.
5. REMOVE PRV STATION, PIPING AND ASSOCIATED VALVES.
6. REMOVE ALL STEAM AND HOT WATER PIPING AND ASSOCIATED SUPPORTS AND HANGERS TO FLOOR RISERS AND OR WALL PENETRATIONS. CAP PIPING. (TYP)
7. REMOVE CONDENSATE PIPING AND ABANDON CONDENSATE RECEIVER IN PLACE.



2 ENLARGED MECHANICAL ROOM DEMOLITION PLAN - PIPING
1/4" = 1'-0"

NOTE:
EXISTING STEAM METER SHALL BE RE-USED.
COORDINATE WITH CONTROLS CONTRACTOR.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ENLARGED MECHANICAL ROOM DEMO PLAN

Phase
100% SUBMISSION

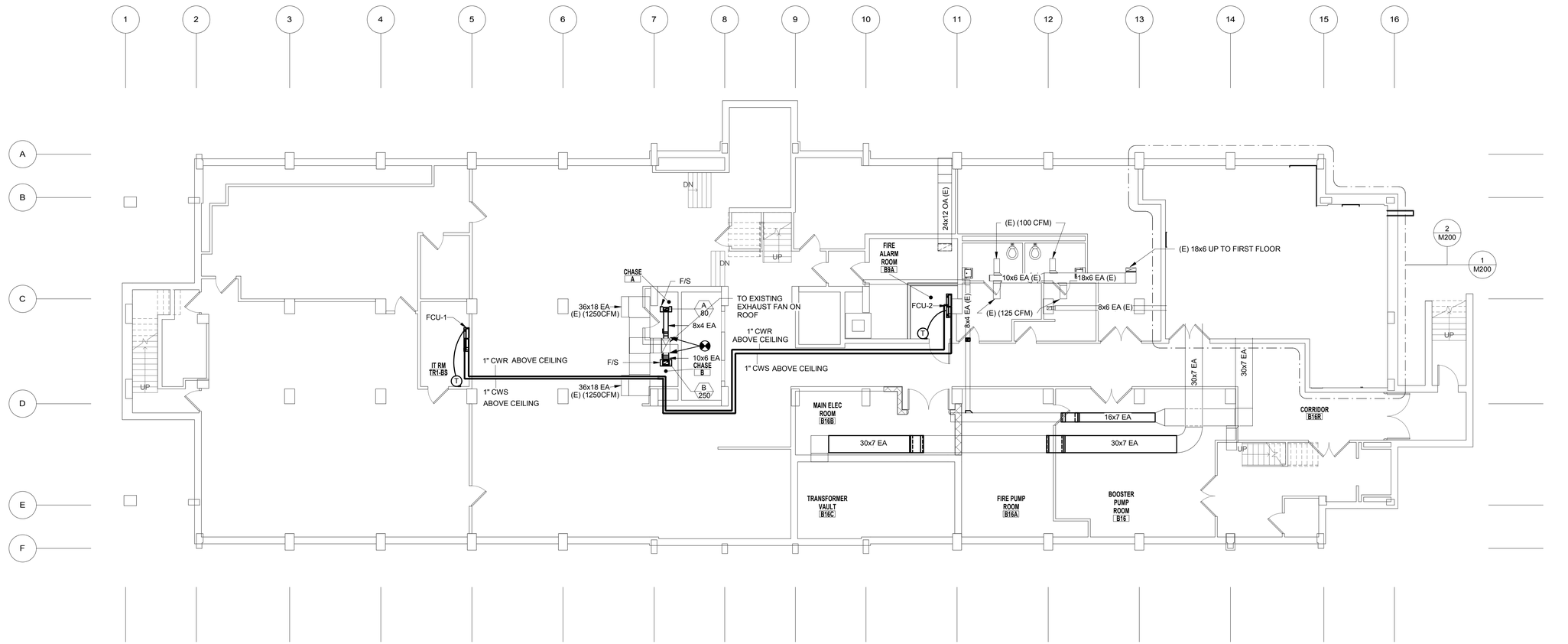
Drawn By:	*Checked By:*	*Date:*
BW		12-14-2018

Seal & Signature

DASNY Project No:
319010-CR12

Drawing Number
MD200

Drawing
80 of 129



1 BASEMENT MECHANICAL PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT
MECHANICAL PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

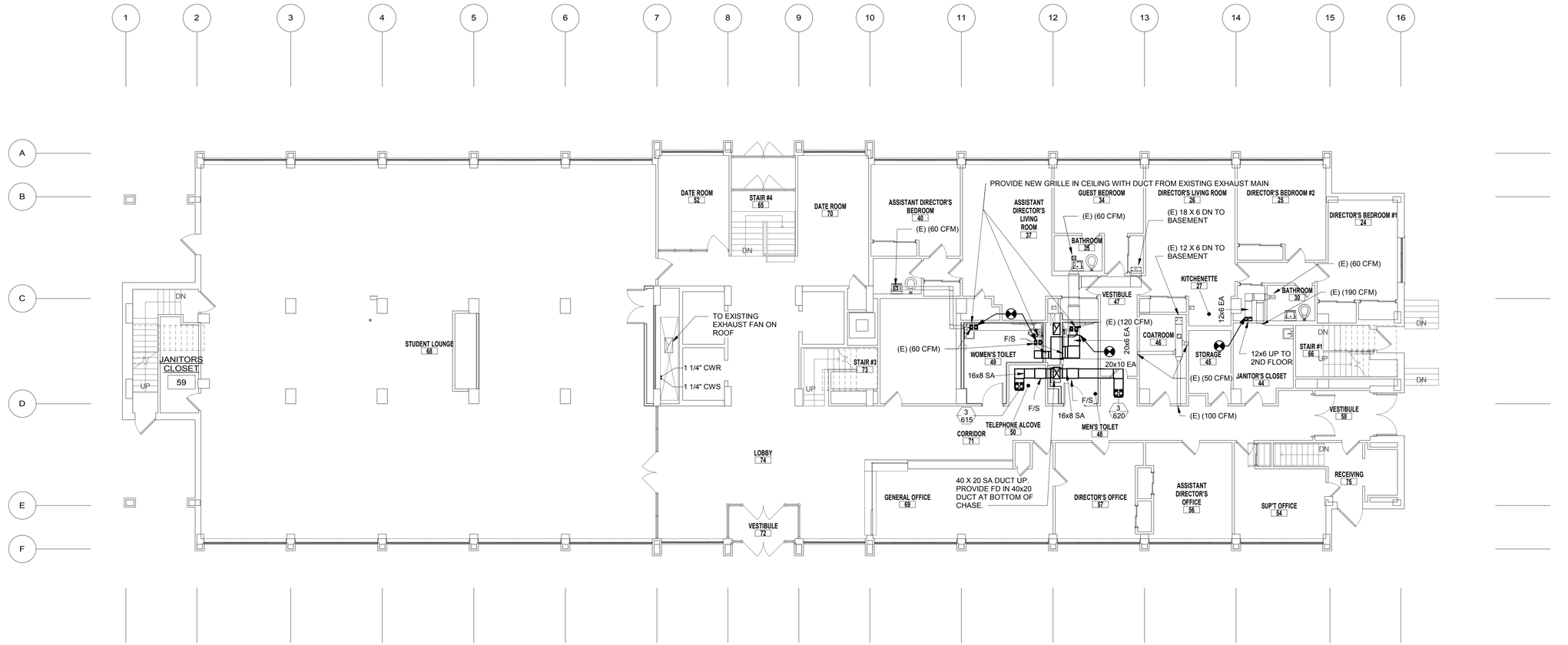
Seal & Signature

STATE OF NEW YORK · JAMES W. MUSSMANO · 090406 · PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
M100

Drawing
81 of 129



1 FIRST FLOOR MECHANICAL PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR MECHANICAL PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
RH	BW	12-14-2018

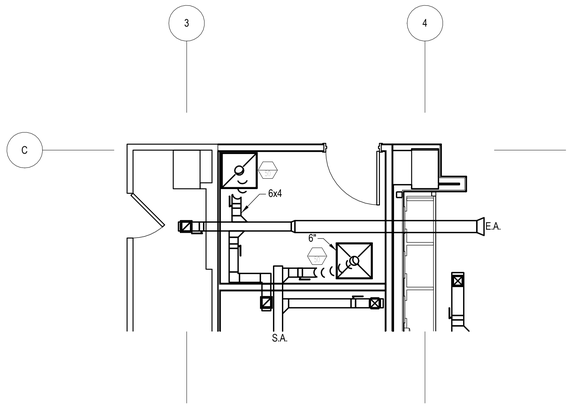
Seal & Signature

STATE OF NEW YORK — JULIE M. WARNER — 090496 — LICENSED PROFESSIONAL ENGINEER

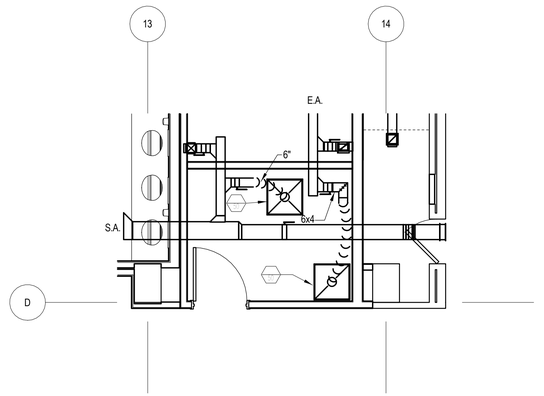
DASNY Project No: 319010-CR12

Drawing Number
M101

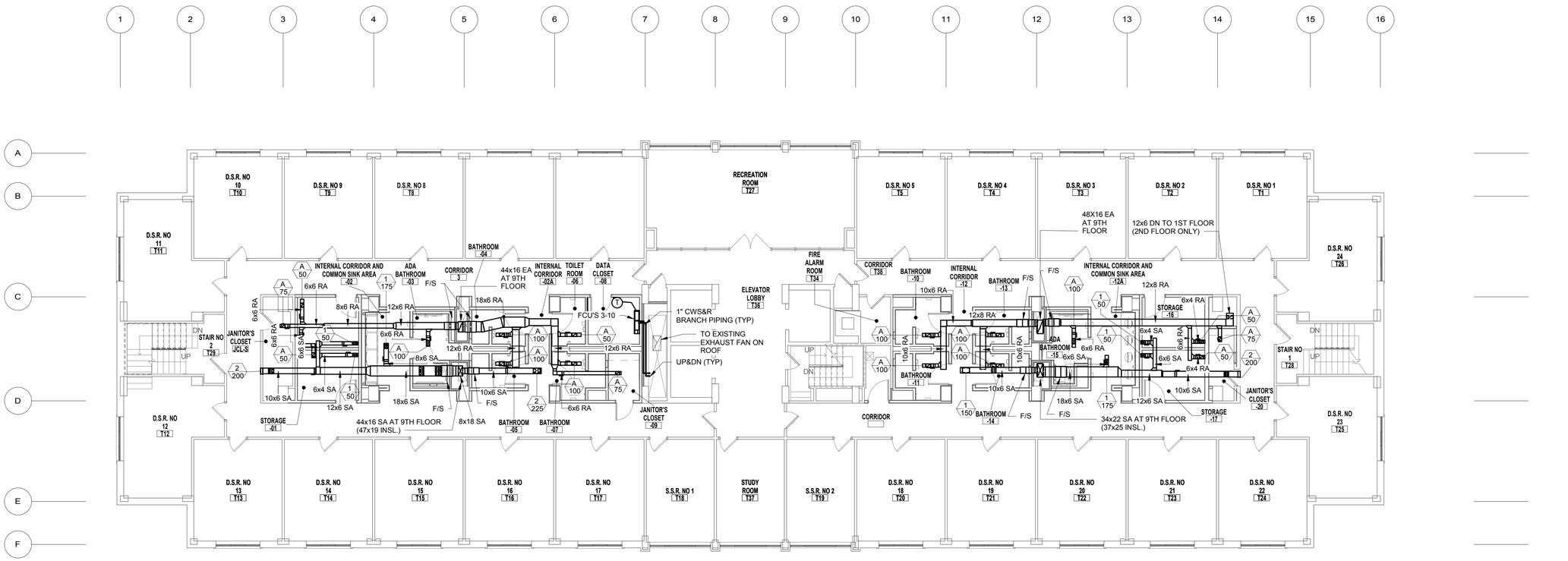
Drawing 82 of 129



2 SOUTH STUDENT STUDY ROOM - ALTERNATE #1
1/4" = 1'-0"



3 NORTH STUDENT STUDY ROOM - ALTERNATE #1
1/4" = 1'-0"



1 TYP 2-9 FLOOR MECHANICAL PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-9 FLOOR MECHANICAL PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
TW	AW	12-14-2018

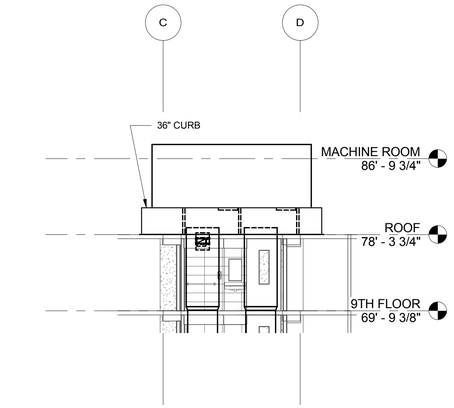
Seal & Signature

STATE OF NEW YORK — JAMES W. MANLEY — OSWEGO — LICENSED PROFESSIONAL ENGINEER

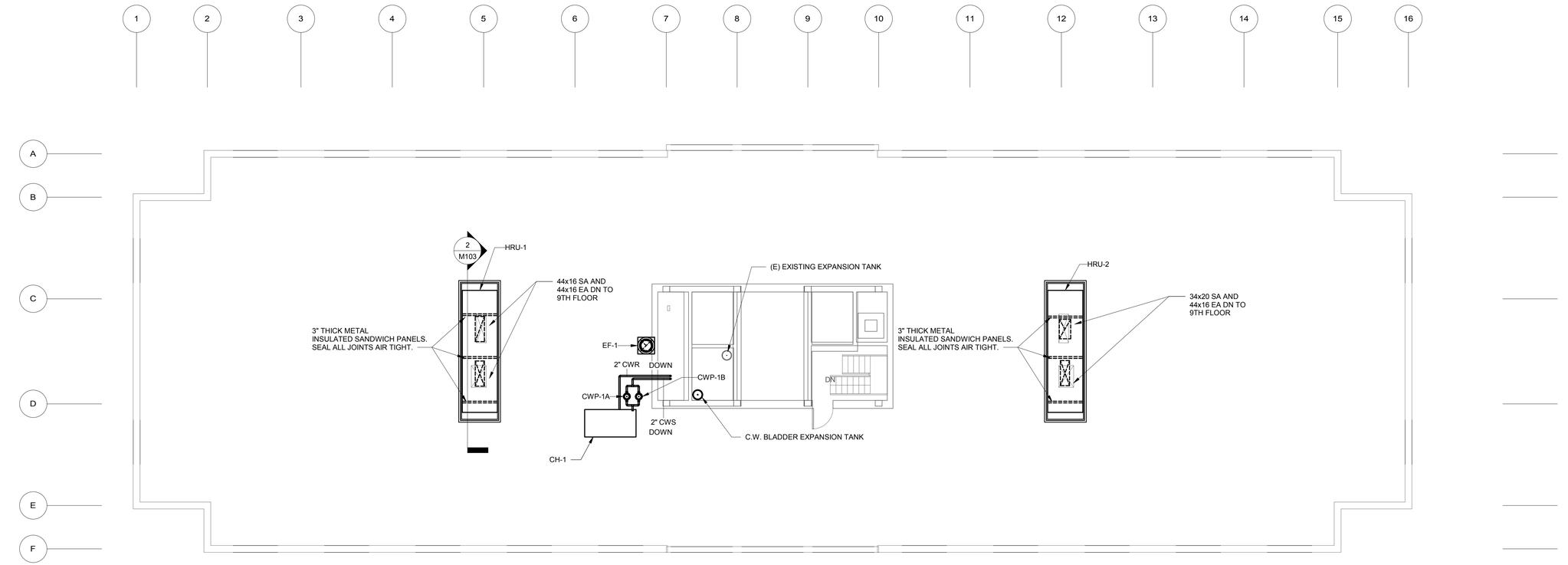
DASNY Project No: 319010-CR12

Drawing Number M102

Drawing 83 *of* 129



2 ROOF CURB SECTION
1/8" = 1'-0"



1 MECHANICAL ROOF PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL ROOF PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
RH	BW	12-14-2018

Seal & Signature

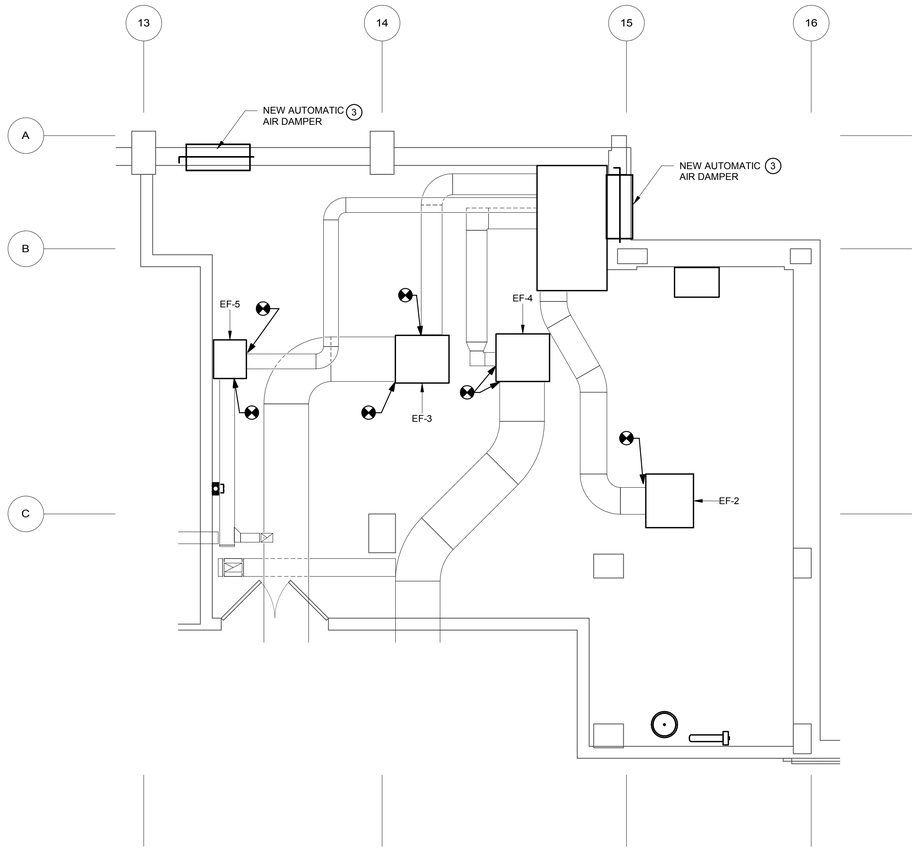
DASNY Project No:
319010-CR12

Drawing Number
M103

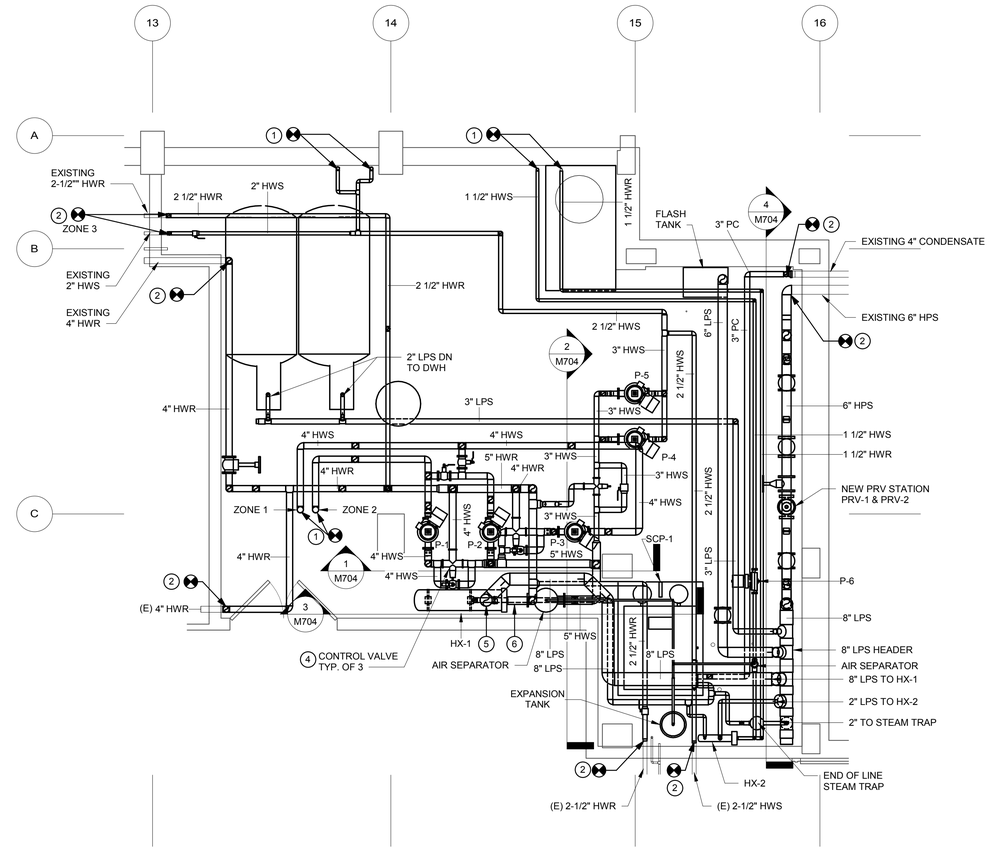
Drawing
84 of 129

KEYNOTES: (#)

1. CONNECT TO EXISTING PIPING RISER. MATCH NEW PIPE SIZE TO EXISTING PIPE SIZE IF NOT LABELED.
2. CONNECT TO EXISTING PIPING AT WALL. MATCH NEW PIPE SIZE TO EXISTING PIPE SIZE IF NOT LABELED.
3. MATCH SIZE OF EXISTING DAMPER.
4. MECHANICAL CONTRACTOR SHALL PROVIDE CONTROL VALVE. CONTROLS CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING TO EXISTING CONTROL SYSTEM.
5. 8" LPS DOWN TO HX-1 INLET STEAM CONNECTION.
6. 5" HWS & HWR TO AND FROM HX-1 INLET AND OUTLET HOT WATER CONNECTIONS.



1 ENLARGED MECHANICAL ROOM PLAN - DUCTWORK
1/4" = 1'-0"



2 ENLARGED MECHANICAL ROOM PLAN - PIPING
1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ENLARGED MECHANICAL ROOM PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
RH	JA	12-14-2018

Seal & Signature
STATE OF NEW YORK · JAMES W. ANDERSON · 095940 · PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
M200

Drawing
85 of 129

EXHAUST, PRESSURIZATION & PURGE OVERRIDE

GENERAL:
THIS SEQUENCE WILL OPERATE REGARDLESS OF THE STATUS OF ANY EXTERNAL SHUTDOWN SIGNAL FROM EITHER THE HARDWIRED SHUTDOWN INPUT OR A COMMUNICATED SHUTDOWN FROM LON OR BACNET. IT WILL OVERRIDE ALL AUTOMATIC CONTROL SEQUENCES. IT WILL IGNORE ALL EQUIPMENT PROTECTION SAFETIES SUCH AS FREEZE THERMOSTATS OR LOW OR HIGH TEMPERATURE LIMITS. NO ACTIVE COOLING OR HEATING IS PERFORMED.

UNIT CONTROLLER INPUTS AND OUTPUTS EFFECTED:
HARDWIRED INPUTS:
1. EXHAUST MODE INPUT (NEGATIVE PRESSURIZATION)
2. PRESSURIZATION MODE INPUT (POSITIVE PRESSURIZATION)

SOFTWARE INPUTS (COMMUNICATED VIA LON OR BACNET):
1. EXHAUST MODE BAS (NEGATIVE PRESSURIZATION)
2. PRESSURIZATION MODE BAS (POSITIVE PRESSURIZATION)

OUTPUTS:
1. SUPPLY FAN VFD
2. EXHAUST FAN VFD
3. EXHAUST FAN SPEED
4. OA/RA DAMPER

EXHAUST MODE – IF EITHER THE HARDWIRED EXHAUST MODE INPUT **OR** THE COMMUNICATED EXHAUST MODE BAS CHANGES TO THE "ACTIVE" STATE, ALL UNIT AUTOMATIC CONTROL WILL BE DISABLED. THE EXHAUST FAN VFD WILL BE COMMANDED TO THE "ON" STATE AND THE EXHAUST FAN SPEED WILL BE SET TO 100% OUTPUT.

PRESSURIZATION MODE – IF EITHER THE HARDWIRED PRESSURIZATION MODE INPUT **OR** THE COMMUNICATED PRESSURIZATION MODE BAS CHANGES TO THE "ACTIVE" STATE, ALL UNIT AUTOMATIC CONTROL WILL BE DISABLED. THE SUPPLY FAN VFD WILL BE COMMANDED TO THE "ON" STATE AND THE SUPPLY FAN SPEED WILL BE SET TO 100% OUTPUT UNLESS THE UNIT IS CONFIGURED FOR DUCT STATIC PRESSURE CONTROL.

PURGE MODE - (SINGLE PASS AIR)
IF EITHER THE HARDWIRED EXHAUST MODE INPUT **OR** THE COMMUNICATED EXHAUST MODE BAS CHANGES TO THE "ACTIVE" STATE, **AND** EITHER THE HARDWIRED PRESSURIZATION MODE INPUT **OR** THE COMMUNICATED PRESSURIZATION MODE BAS CHANGES TO THE "ACTIVE" STATE ALL UNIT AUTOMATIC CONTROL WILL BE DISABLED. THE EXHAUST FAN VFD WILL BE COMMANDED TO THE "ON" STATE AND THE EXHAUST FAN SPEED WILL BE SET TO 100% OUTPUT AND THE SUPPLY FAN VFD WILL BE COMMANDED TO THE "ON" STATE AND THE SUPPLY FAN SPEED WILL BE SET TO 100%.

HRU-1 AND HRU-2 SEQUENCE OF OPERATION

A. SUPPLY FAN:

1. OCCUPIED, WARM-UP OR COOL-DOWN MODES: AFTER A TIME DELAY AS DETERMINED BY THE EQUIPMENT STAGGER NUMBER, THE SUPPLY FAN SHALL RUN CONTINUOUSLY.
2. UNOCCUPIED MODE: THE SUPPLY FAN SHALL BE COMMANDED OFF.
3. WHEN THE SUPPLY FAN IS RUNNING THE SUPPLY FAN VSD SHALL BE COMMANDED TO MAINTAIN SPEED SET POINT AS DETERMINED BY SYSTEM BALANCING CONTRACTOR.

B. OUTSIDE, RETURN AND EXHAUST DAMPERS AND EXHAUST FAN:

1. ANYTIME THE SYSTEM IS NOT OCCUPIED THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL BE FULLY SHUT AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN.
2. ANYTIME THE SYSTEM IS OCCUPIED THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL BE FULLY OPEN AND THE RETURN AIR DAMPER SHALL BE FULLY SHUT AND THE EXHAUST FAN SHALL BE COMMANDED ON VIA AN END SWITCH INTERLOCK WITH THE EXHAUST DAMPER. THE EXHAUST FAN VSD SHALL TRACK THE SUPPLY FAN VSD BASED BY AN OFFSET AS DETERMINED BY THE BALANCING CONTRACTOR.

C DISCHARGE AIR CONTROL:

1. THE FACE AND BYPASS DAMPER SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 55 - 60 DEG.F.

D. HEATING MODE:

1. THE UNIT CONTROLLER WILL MONITOR DISCHARGE AIR TEMPERATURE AND DISCHARGE AIR TEMPERATURE HEATING SETPOINT TO DETERMINE WHEN TO INITIATE REQUESTS FOR HEAT. WHEN THE SPACE TEMPERATURE DROPS BELOW THE DISCHARGE TEMPERATURE HEATING SETPOINT, THE CONTROLLER WILL ENABLE THE GAS HEAT. THE GAS VALVE WILL MODULATE TO CONTROL THE DISCHARGE AIR TEMPERATURE SETPOINT. THE SUPPLY FAN WILL REMAIN AT 100% DURING HEATING OPERATION. ONCE THE DISCHARGE AIR TEMPERATURE RISES ABOVE THE SETPOINT, THE HEATING WILL BE DISABLED.

E. COOLING MODE:

1. FUTURE OPERATION

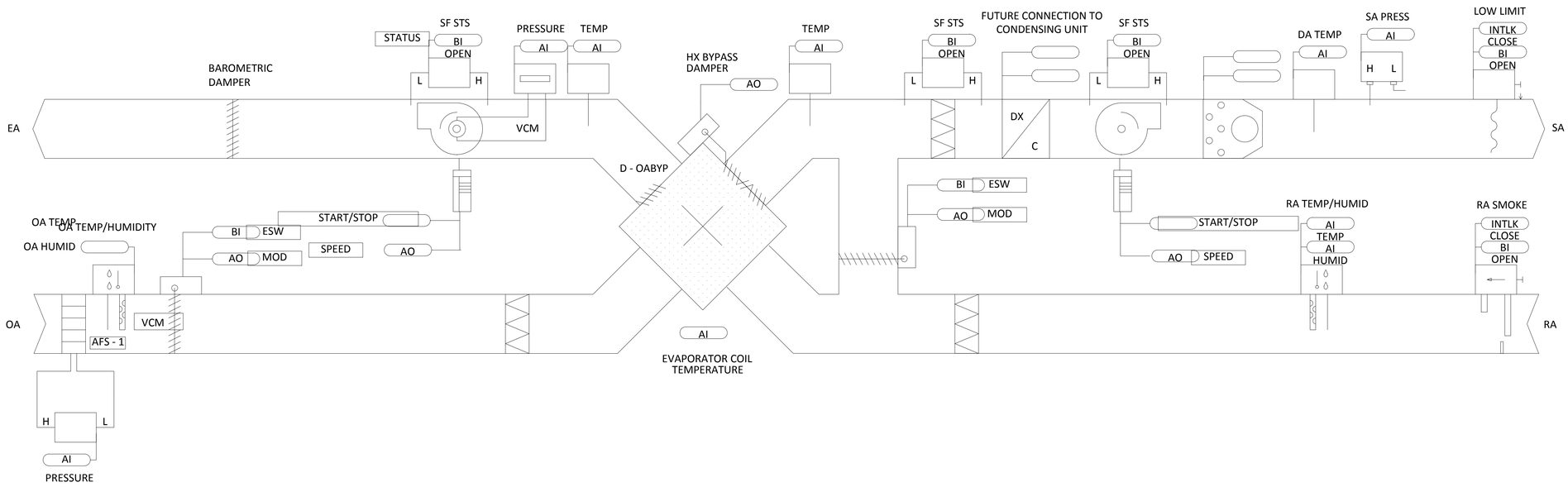
F. HEAT EXCHANGER DEFROST SYSTEM CONTROL:

1. MONITOR THE HEAT EXCHANGER ENTERING AND DISCHARGE AIR TEMPERATURE. AS HEAT EXCHANGER DISCHARGE AIR TEMPERATURE FALLS NEAR 32 DEG.F., MODULATE THE FACE AND BYPASS DEFROST DAMPER TO MAINTAIN A MINIMUM OF 32 DEG.F.

G. STATUS ALARMS:

1. STATIC PRESSURE OF 0 AND FAN RUNNING (BELT FAILURE, SMOKE DAMPER SHUT, ETC.)
2. FAN START FAILURE
3. FAN STOP FAILURE
4. OUTSIDE AIR DAMPER END SWITCH FAILURE
5. EXHAUST AIR DAMPER END SWITCH FAILURE
6. HIGH FILTER DIFFERENTIAL (0.50 INCHES W.G.)
7. VSD ALARM INPUT ON

HRU -1 and HRU-2



NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
CONTROL SCHEMATICS AND SEQUENCES

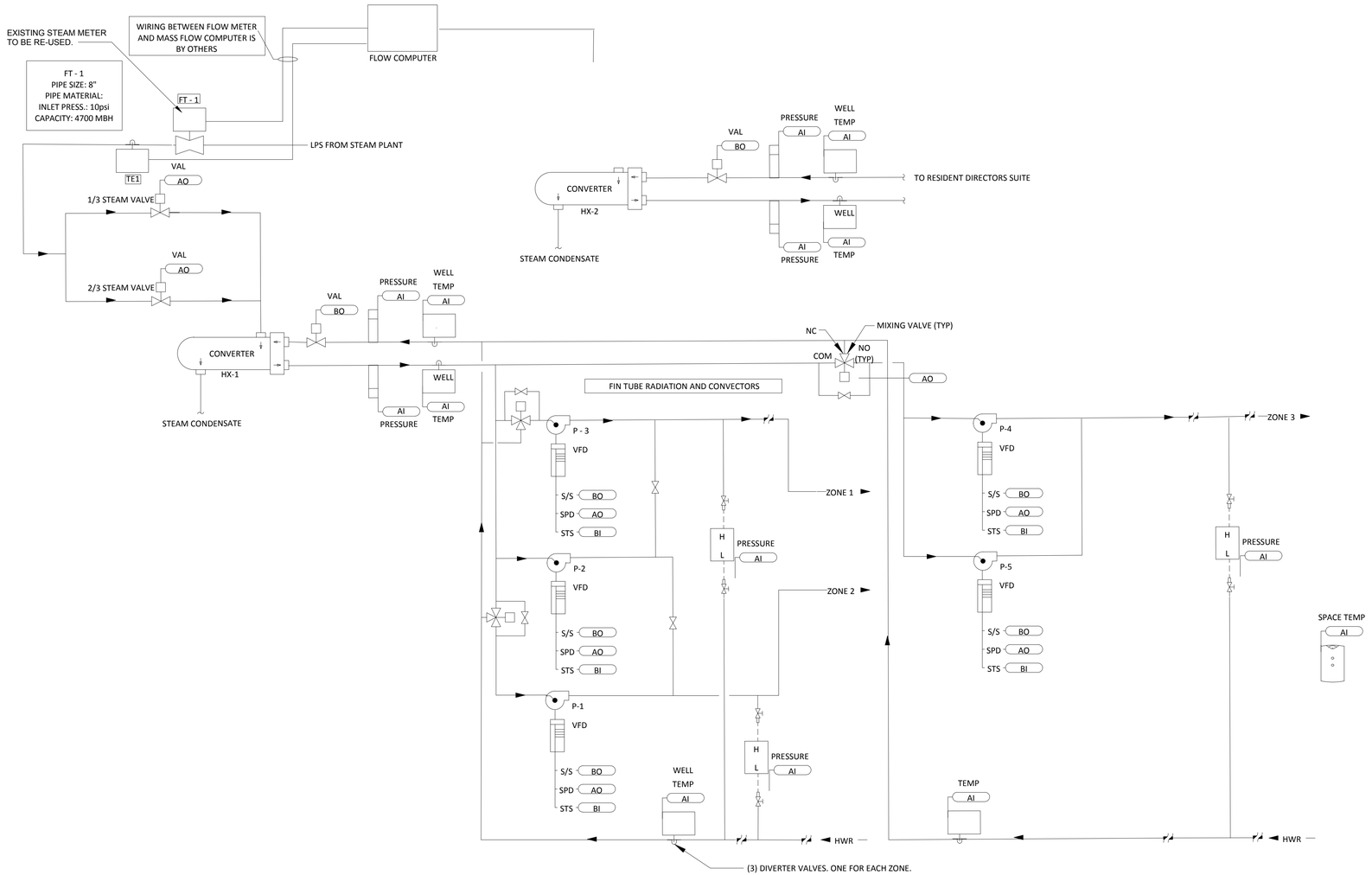
Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
RH	BW	12-14-2018

Seal & Signature
STATE OF NEW YORK · JAMES W. WARD · 076540 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number M300
Drawing 86 of 129

PRIMARY HEATING LOOP



Sequence of Operations BUILDING HEATING SYSTEM

General Description: The steam system consists of a new steam to hot water heat exchanger, 1/3 and 2/3 steam valves and two sets of new hot water pumps. The Building Automation System (BAS) controller shall provide stand-alone control or BAS workstation control of the supply heating water temperature setpoint (adj.) by modulating the 1/3 and 2/3 steam valves.

Heating System Enable/Disable: The heating system shall be enabled whenever the outside air temperature falls below 50.0 deg. F (adj.) for 30 consecutive minutes (adj.). When enabled, the BAS controller shall open the hot water return isolation valve and start each loop lead hot water distribution pumps. The heating system shall be disabled when the outdoor air temperature is above 55.0 deg. F (adj.) for 5 consecutive minutes (adj). When heating is disabled, the hot water pumps and hot water isolation control valve shall be commanded to OFF.

HX-1 1/3 & 2/3 Steam Valve Control: The steam to hot water heat exchanger shall be controlled to maintain a hot water supply temperature to a hot water supply setpoint.

HX-2 Steam Valve Control: The steam to hot water heat exchanger shall be controlled to maintain a hot water supply temperature to a hot water supply setpoint. The hot water supply temperature shall be reset with outside air per the following adjustable reset schedule:

Outside Air (deg F)	Hot Water Setpoint (deg F)
0	180
50	90

This is accomplished by modulating the steam control valves located on the steam supply inlet to the heat exchanger. The 1/3 steam valve shall modulate as needed to maintain the hot water setpoint. If the 1/3 steam valve is unable to maintain setpoint, the 1/3 steam valve shall close and the 2/3 steam valve shall modulate as needed to maintain hot water setpoint. If the 2/3 steam valve is unable to maintain setpoint, both the 1/3 and 2/3 steam valves shall modulate as needed to maintain setpoint.

If the convertor does not raise the water temperature within fifteen minutes, an alarm shall be generated at the operator workstation.

Hot Water Distribution Pump Start/Stop (P-1, P-2, P-3, P-4 and P-5) controller shall start a hot water pump through a contact closure of the pump's Variable Frequency Drive (VFD) run-enable contacts.

Hot Water Distribution Pump Status (P-1, P-2, P-3, P-4 and P-5): The BAS controller shall detect hot water pump run status by a VFD current switch.

Hot Water Distribution Pump Lead/Lag (P-1, P-2, P-3, P-4 and P-5): The hot water pump lead/lag sequence shall be rotated every 200 hours of service. From the BAS workstation, an operator shall be able to manually change the lead/lag sequence.

Hot Water Distribution Pump Speed (P-1, P-2, P-3, P-4 and P-5): The BAS controller shall monitor the hot water system differential pressure sensor. When the lead pump is on, the pump speed shall modulate to maintain the hot water differential pressure at a differential pressure setpoint of 15.0 psig (adj.)

Hot Water Distribution Pump Failure (P-1, P-2, P-3, P-4 and P-5): If the lead start/stop relay is enabled and the current switch status is off for more than 30 seconds (adj.), the BAS controller shall annunciate a hot water pump failure alarm at the BAS workstation and start the lag pump. When a hot water pump failure exists, lead/lag automation shall be disabled and the currently running pump becomes the lead pump. Once the problem has been corrected, the operator shall be able to clear the alarm failure from the BAS controller or BAS workstation. This action

ZONES 1, 2 AND 3 TEMPERATURE CONTROL:

Each 3-way mixing valve shall modulate to maintain the HWS temperature supplied to their associated zone based on an OA reset schedule (90F – 180F) adjustable.

RESIDENT DIRECTOR SUITE TEMPERATURE CONTROL:

Pump (P-6) shall energize upon a call for heating from space temperature sensor. HX-2 steam control valve shall modulate to maintain HWS temperature supplied to zone based on an OA reset schedule (90F – 180F) adjustable.

Duplex Condensate Pump
The BAS shall monitor the status of the duplex condensate pump system. If the pump activates, an alarm shall be generated at the operator workstation.

The BAS shall monitor the status of the fluid by a set of dry contacts. If the dry contact closes, an alarm shall be generated at the operator workstation.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
CONTROL SCHEMATICS AND SEQUENCES

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
RH	BW	12-14-2018

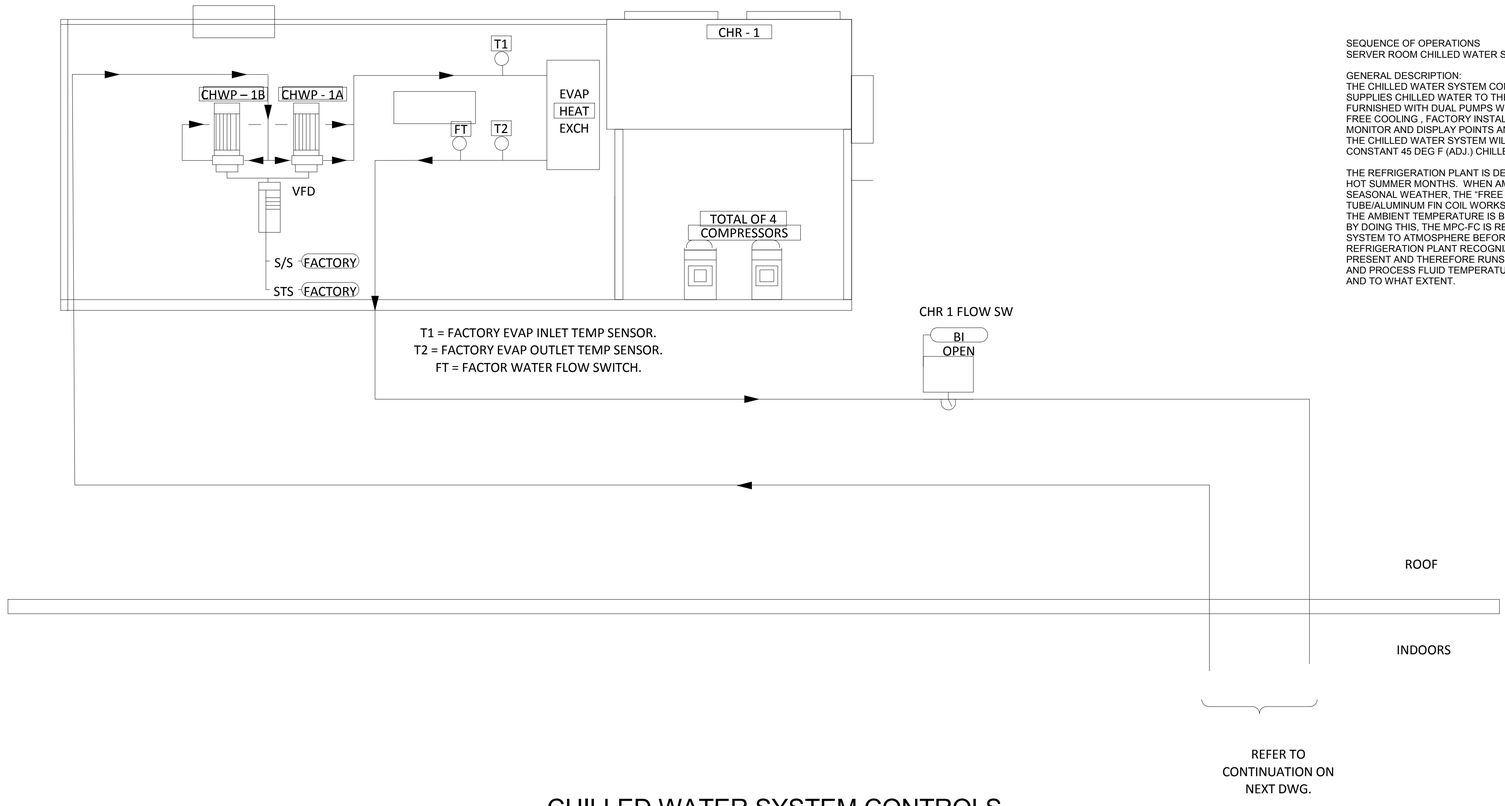
Seal & Signature

STATE OF NEW YORK — JAMES W. WARD — OSWEGO — LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number M301

Drawing 87 *of* 129

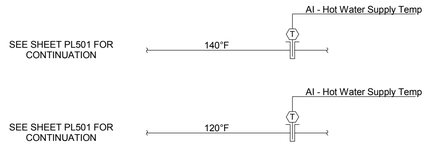


SEQUENCE OF OPERATIONS
SERVER ROOM CHILLED WATER SYSTEM FLOW

GENERAL DESCRIPTION:
THE CHILLED WATER SYSTEM CONSISTS OF ONE 12 TON AIR-COOLED CHILLER, WHICH SUPPLIES CHILLED WATER TO THE SERVER ROOM FAN COIL UNITS. THE CHILLER WILL BE FURNISHED WITH DUAL PUMPS WITH CONSTANT VOLUME FLOW, BUFFER STORAGE TANK, FREE COOLING , FACTORY INSTALLED FLOW SWITCH AND BACNET INTERFACE. THE BAS WILL MONITOR AND DISPLAY POINTS AND ALARM FROM THE CHILLER CONTROLS. CHILLER ENABLE/DISABLE: THE CHILLED WATER SYSTEM WILL BE ENABLED 24/7 365 DAYS A YEAR TO PROVIDE A CONSTANT 45 DEG F (ADJ.) CHILLED WATER TO THE FAN COIL UNITS.

THE REFRIGERATION PLANT IS DESIGNED TO COOL THE DESIGNATED HEAT LOAD DURING HOT SUMMER MONTHS. WHEN AMBIENT TEMPERATURES FALL OVER NIGHT OR DURING COOLER SEASONAL WEATHER, THE "FREE COOLING" COIL IS UTILIZED. THE "FREE COOLING" COPPER TUBE/ALUMINUM FIN COIL WORKS BY DRAWING COLD AMBIENT AIR ACROSS ITS SURFACE WHEN THE AMBIENT TEMPERATURE IS BELOW THE DESIRED WATER/GLYCOL SET POINT OF THE CHILLER. BY DOING THIS, THE MPC-FC IS REJECTING PART OR ALL THE HEAT IN THE WATER/GLYCOL SYSTEM TO ATMOSPHERE BEFORE THE FLUID REACHES THE REFRIGERATION PLANT. THE REFRIGERATION PLANT RECOGNIZES THAT EITHER SOME OR ALL THE HEAT OF THE SYSTEM IS NOT PRESENT AND THEREFORE RUNS LESS OR NOT AT ALL. A MOTORIZED VALVE SENSING AMBIENT AND PROCESS FLUID TEMPERATURE CONTROLS WHETHER THE "FREE COOLING" IS ACTIVATED AND TO WHAT EXTENT.

1 CHILLED WATER SYSTEM CONTROLS



SEQUENCE OF OPERATION

RUN CONDITIONS - SCHEDULED:
EACH CIRCULATION PUMP SHALL RUN ACCORDING TO A USER DEFINABLE SCHEDULE.

- OCCUPIED MODE: THE UNIT SHALL REMAIN ON.
- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL REMAIN OFF.

EACH:
PUMP SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

TEMPERATURE CONTROL:

- P-1 SHALL DISABLE WHEN RETURN WATER TEMPERATURE IS GREATER THAN 110°F (ADJ.).
- P-2 SHALL DISABLE WHEN RETURN WATER TEMPERATURE IS GREATER THAN 130°F (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- CIRCULATION PUMP 1
- FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
- CIRCULATION PUMP 2
- FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.

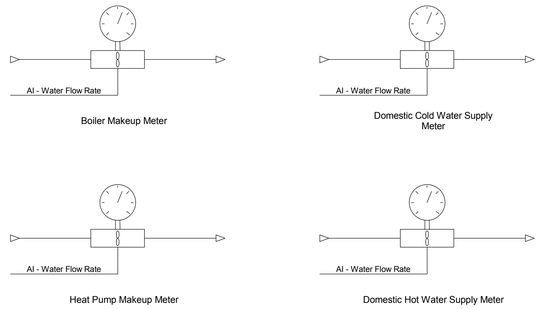
HOT WATER TEMPERATURE MONITORING:
THE FOLLOWING TEMPERATURES SHALL BE MONITORED:

- 140°F DOMESTIC HOT WATER SUPPLY.
- 120°F DOMESTIC HOT WATER SUPPLY.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH DOMESTIC HOT WATER SUPPLY TEMP: IF THE 140°F HOT WATER SUPPLY TEMPERATURE IS GREATER THAN 150°F (ADJ.).
- HIGH DOMESTIC HOT WATER SUPPLY TEMP: IF THE 120°F HOT WATER SUPPLY TEMPERATURE IS GREATER THAN 130°F (ADJ.).

2 PLUMBING SYSTEM CONTROLS



NOTE:

PROVIDE INLINE FLOW METER, ONICON F-1300 OR EQUIVALENT. COORDINATE WITH PIPING INSTALLER FOR PROPER VALVING, BYPASS, AND STRAIGHT LENGTH REQUIREMENTS.

SEQUENCE OF OPERATION

WATER METERS:
THE CONTROLLER SHALL MONITOR THE WATER METERS FOR WATER CONSUMPTION ON A CONTINUAL BASIS. THESE VALUES SHALL BE MADE AVAILABLE TO THE SYSTEM AT ALL TIMES.

ALARM SHALL BE GENERATED AS FOLLOWS:

- INVALID READING: SENSOR READING INDICATES AN INVALID VALUE FROM THE WATER METER.

PEAK DEMAND HISTORY:
THE CONTROLLER SHALL MONITOR AND RECORD THE PEAK (HIGH AND LOW) DEMAND READINGS FROM THE WATER METERS. THESE READINGS SHALL BE RECORDED ON A DAILY, MONTH-TO-DATE, AND YEAR-TO-DATE BASIS.

USAGE HISTORY:
THE CONTROLLER SHALL MONITOR AND RECORD WATER METER READINGS SO AS TO PROVIDE A WATER CONSUMPTION HISTORY. USAGE READINGS SHALL BE RECORDED ON A DAILY, MONTH-TO-DATE, AND YEAR-TO-DATE BASIS.

3 WATER METERING CONTROLS

NEW YORK STATE OF OPPORTUNITY. DASNY
515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
CONTROL SCHEMATICS AND SEQUENCES

Phase
100% SUBMISSION

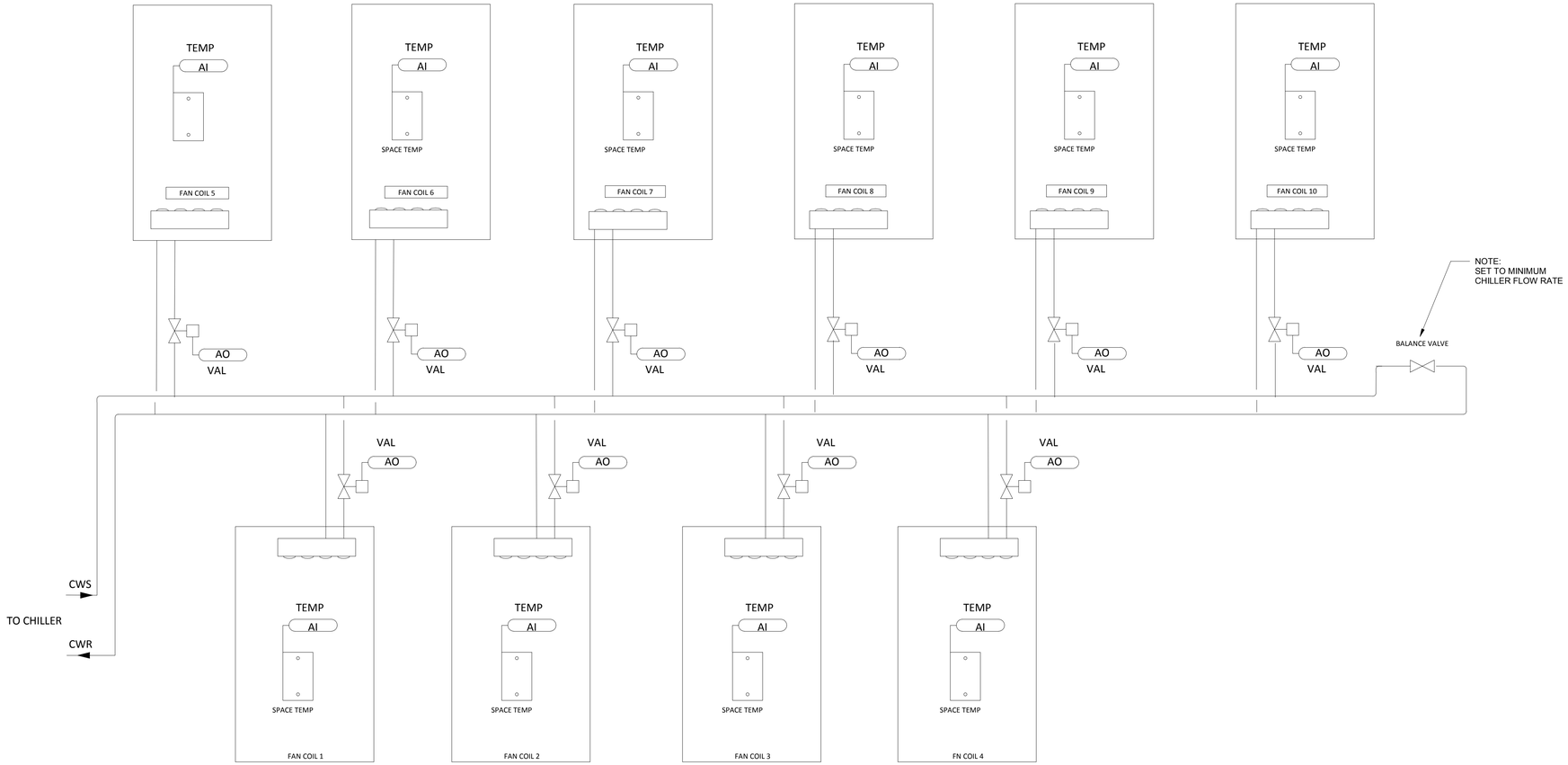
Drawn By:	Checked By:	Date:
RH	BW	12-14-2018

Seal & Signature
STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER — OSWEGO

DASNY Project No: 319010-CR12

Drawing Number M302

Drawing 88 of 129



SERVER ROOM

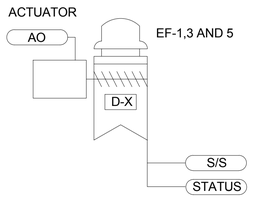
SEQUENCE OF OPERATIONS
FAN COIL FLOW

THE BAS WILL MONITOR THE SERVER ROOM SPACE TEMPERATURE AND THE FAN COIL UNIT CONTROLLERS WILL MODULATE THE CONTROL VALVE AND FAN SPEED AS NEEDED TO MAINTAIN SPACE TEMPERATURE SETPOINT (ADJ.).

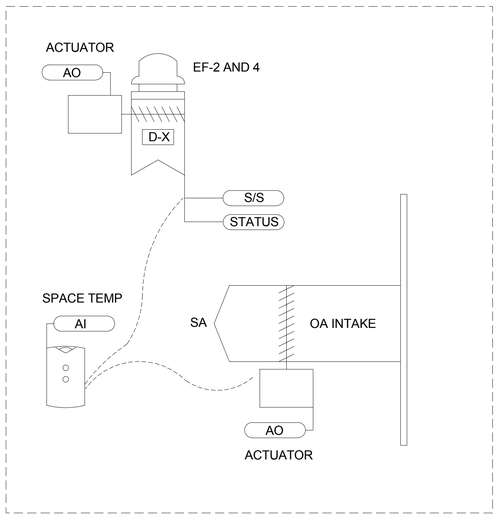
ALARMS:

HIGH TEMPERATURE ALARM : 78 DEG F ADJ.
LOW TEMPERATURE ALARM : 65 DEG F ADJ.

GENERAL EXHAUST



MECH RM EXHAUST AND INTAKE



NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
CONTROL SCHEMATICS AND SEQUENCES

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
RH	BW	12-14-2018

Seal & Signature

STATE OF NEW YORK — PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
M303

Drawing
89 of 129

HEAT EXCHANGER SCHEDULE

MARK	LOCATION	SERVICE	TYPE	COLD SIDE GPM	COLD SIDE EWT	COLD SIDE LWT	COLD SIDE PD (PSI)	HOT SIDE FLOW (PPH)	HEAT TRANSFER MBH	COLD WATER CONNS (IN)	STEAM CONNS (IN)	COND CONNS (IN)	TUBE MAT'L	SHELL MAT'L	LENGTH (FT)	MANUFACRERMANU	MODEL
HX-1	MECHANICAL ROOM	MAIN BUILDING HEATING	SHELL & TUBE	400 GPM	180	210	0.8	6179.91	5845	6	8	2.5	COPPER - 20GA	CARBON STEEL	15.000'	ARMSTRONG	WS-1407-200-2-CSSSSNN-20
HX-2	MECHANICAL ROOM	APARTMENT	SHELL & TUBE	18 GPM	160	180	----	---	---	---	2	1	COPPER	CARBON STEEL		ARMSTRONG	WS-44-4-4

PUMP SCHEDULE

MARK	SERVICE	GPM	HEAD	HP	RPM	TYPE	ELECTRIC DATA (V/PH/HZ)	EFFIC. %	MANUFACTURER	MODEL
P-1	ZONE-2	181 GPM	75 FT	7.5 hp	3600	VERTICAL IN-LINE	208/3/60	78.76	ARMSTRONG	4300
P-2	ZONE-1,2	188 GPM	75 FT	7.5 hp	3600	VERTICAL IN-LINE	208/3/60	78.68	ARMSTRONG	4300
P-3	ZONE-1	188 GPM	75 FT	7.5 hp	3600	VERTICAL IN-LINE	208/3/60	78.68	ARMSTRONG	4300
P-4	ZONE-3	125 GPM	62.5 FT	7.5 hp	3600	VERTICAL IN-LINE	208/3/60	57.54	ARMSTRONG	4300
P-5	ZONE-3	125 GPM	62.5 FT	7.5 hp	3600	VERTICAL IN-LINE	208/3/60	57.54	ARMSTRONG	4300
P-6	APART SUITE	18 GPM	20 FT	0.25 hp	1800	HORIZONTAL IN-LINE	115/1/60	55.0	ARMSTRONG	4360

CHILLED WATER PUMP SCHEDULE

MARK	SERVICE	GPM	HEAD	HP	RPM	TYPE	ELECTRIC DATA (V/PH/HZ)	EFFIC. %	MANUFACTURER	MODEL	NOTES
CWP-1A	CHILLED WATER	18 GPM	27 FT	3.0 hp	3600	IN-LINE	208/3/60	---	LOWARA	----	1
CWP-1B	CHILLED WATER	18 GPM	27 FT	3.0 hp	3600	IN-LINE	208/3/60	----	LOWARA	-----	1

NOTES:
1. PUMP PROVIDED WITH CHILLER (CH-1)

EXHAUST FAN SCHEDULE

MARK	LOCATION	SERVICE	TYPE	CFM	S.P.	FAN RPM	FAN DRIVE	MOTOR DATA			MAX SONES	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
								HP	VOLTS	PHASE					
EF-1	ROOF	BUILDING EXHAUST	ROOF MOUNTED	3,200	0.75	1075	DIRECT	3/4	208 V	3	16.4	78	PENNBARRY	DX18V	1,2
EF-2	MECH. ROOM	MECH. EQUIP. ROOM	DUCT MOUNTED	1,500	.375	977	BELT	1/4	208 V	1	8.3		GREENHECK	USF-215-BI	2
EF-3	MECH. ROOM	GENERAL EXHAUST	DUCT MOUNTED	1,300	.625	1019	BELT	1/3	208 V	1	8.3		GREENHECK	USF-215-BI	2
EF-4	MECH. ROOM	TRANS. VAULT EXHAUST	DUCT MOUNTED	1,000	.75	998	BELT	1/4	208 V	1	8.1		GREENHECK	USF-215-BI	2
EF-5	MECH. ROOM	KITCHEN	DUCT MOUNTED	300	.5	1183	BELT	1/4	208 V	1	7.2		GREENHECK	USF-208-BI	2

1. PROVIDE ROOF CURB
2. PROVIDE EQUIPMENT MOUNTED DISCONNECT

REGISTER SCHEDULE

NO.	NECK SIZE	FACE SIZE	CFM	MAT'L	FACE	PATTERN	DAMPER	REMARKS	MANUFACTURER	MODEL
A	8X8	8X8	0-185	ST	SQ	---	YES	NOTE 1	TITUS	350 RL
B	12X12	12X12	0-360	ST	SQ	---	YES	NOTE 1	TITUS	350 RL

NOTES: 1. FIXED FACE REGISTER. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

GRILLE SCHEDULE

NO.	NECK SIZE	FACE SIZE	CFM	MAT'L	FACE	PATTERN	DAMPER	REMARKS	MANUFACTURER	MODEL
1	8X8	8X8	0-185	ST	SQ	---	YES	NOTE 1	TITUS	301 RL
2	12X12	12X12	0-360	ST	SQ	---	YES	NOTE 1	TITUS	301 RL
3	14X14	14X14	0-610	ST	SQ	---	YES	NOTE 1	TITUS	301 RL

NOTES: 1. ADJUSTABLE BLADE REGISTER. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

PACKAGED CHILLER SCHEDULE

MARK	LOCATION	CAPACITY TONS	COMP. TYPE	REFR. TYPE	EVAPORATOR DATA					CONDENSER					ELECTRICAL DATA					OVERALL DIMENSIONS	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
					GPM	EWT	LWT	WP DROP	EVAP FLUID	AIRFLOW	FANS QTY	ABSORBED CURRENT	DESIGN AMBIENT TEMP	100 % FREE COOLING AMBIENT TEMP	FLA	MCA	MOP	VOLTS	PHASE					
CH-1	ROOF	11.5	SCROLL	R-410A	18.6	61	45	8.24	40% PROPYLENE GLYCOL	21,013 CFM	2	7.3	95	29	69	80	124	208	3	87 X 43 X 83	1676	MOTIVAIR	MPC-FC-1200	1,2,3

1. PROVIDE EQUIPMENT MOUNTED DISCONNECT
2. PROVIDE WITH 50 GALLON SURGE TANK
3. PROVIDE WITH DUPLEX, DUTY/STAND-BY PUMPS AND LEAD/LAG CONTROLLER.

MAKE UP AIR UNIT SCHEDULE

MARK	TYPE	CONFIGURATION	SUPPLY FAN (X2)				EXHAUST FAN (2)				FUEL	FUEL (IN. W.G.)	ELECTRIC DATA	HEATING INPUT (MBH)	EAT (F)	LAT (F)	FUTURE COOLING CAPACITY						WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
			CFM	TSP (IN)	ESP (IN)	MOTOR POWER (HP)	CFM MAX	TSP(IN)	ESP(IN)	MOTOR BHP							DX COOL CAP MBH	DX COOL EAT	DX COOL EAT DB	DX COOL EAT WB	DX COOL LAT DB	DX COOL LAT WB				
HRU-1	SENSIBLE/PLATE	ROOFTOP	2800 X 2	3.82	1.5	3 X 2	2800 X 2	1.91	1	1.5 X 2	GAS	6 - 14	208/3/60	400	44.7	97.4	N/A	N/A	N/A	N/A	N/A	N/A	5050	TRANE - VALENT	VPRP-310-CWU-401-A-1 XC	1,2,3,4
HRU-2	SENSIBLE/PLATE	ROOFTOP	3090 X 2	3.808	1.5	5 X 2	3090 X 2	2.014	1	2 X 2	GAS	6 - 14	208/3/60	500	44.5	104.2	N/A	N/A	N/A	N/A	N/A	N/A	5184	TRANE - VALENT	VPRP-310-CWU-501-A-1 XC	1,2,3,4

1. PROVIDE EQUIPMENT MOUNTED DISCONNECT
2. DX-COIL FOR FUTURE COOLING CAPACITY
3. PROVIDE VFD FOR BOTH SUPPLY & EXHAUST FANS
4. ELECTRIC COIL FOR DEFROST

CHILLER WATER FAN COIL UNIT SCHEDULE

MARK	LOCATION	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	CFM	WEIGHT (LB)	POWER	WATER FLOW RATE (GPM)	PRESSURE DROP (FT)	EAT F	LAT	LWT	PROPYLENE GLYCOL	BASIS OF DESIGN MANUFACTURER	MODEL NO	NOTES
FCU-1	DATA CLOSET IN BASEMENT	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-2	DATA CLOSET IN BASEMENT	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-3	DATA CLOSET ON 2ND FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-4	DATA CLOSET ON 3RD FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-5	DATA CLOSET ON 4TH FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-6	DATA CLOSET ON 5TH FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-7	DATA CLOSET ON 6TH FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-8	DATA CLOSET ON 7TH FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-9	DATA CLOSET ON 8TH FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1
FCU-10	DATA CLOSET ON 9TH FLOOR	14.2	12.3	560 CFM	85	208/1/60	1.8	2.71	80/67	60.1/59.1	60.8	40 %	COMFORTWAVE	WCP18	1

NOTES:
1. PROVIDE WITH DISCONNECT

STEAM CONDENSATE PUMP SCHEDULE

MARK	SERVICE	FLOW, EACH (GPM)	DISCHARGE PRESSURE (PSI)	EQUIV DIRECT RADIATION (EDR)	HORSEPOWER (HP)	RPM	TANK SIZE (GAL)	ELECTRICAL DATA (V / PH / HZ)	TYPE	MANUFACTURER	MODEL
SCP-1		60	50	40,000	3.0		160	208 / 3 Ø / 60	FLOOR-MOUNTED, DUPLEX	BELL & GOSSETT	605CC

STEAM PRV SCHEDULE

MARK	SERVICE	STEAM LOAD (PPH)	RATED CAPACITY (PPH)	INLET PRESSURE	OUTLET PRESSURE	CV	FULL PORT VALVE SIZE (INCHES)	REMARKS	MANUFACTURER	MODEL
PRV-1	BUILDING HEAT	6,500	6,500	50	25		8			
PRV-2	BUILDING HEAT	3,300	3,300	50	25		2			

EXPANSION TANK SCHEDULE

MARK	SERVICE	TANK VOLUME	ACCEPTANCE VOLUME	MAX TANK PRESSURE (PSI)	FILL PRESSURE (PSI)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
ET-1	HEATING	80 GAL.	27 GAL.	125.00 psi	12.00 psi	890	BELL & GOSSETT	B-300LA	

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL SCHEDULES

Phase
100% SUBMISSION

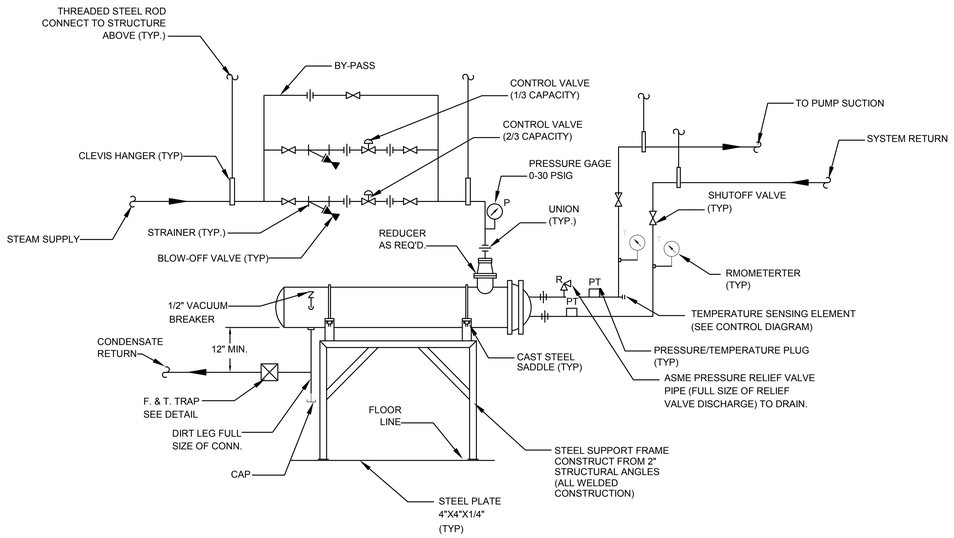
Drawn By: RH | Checked By: JA | Date: 12-14-2018

Seal & Signature

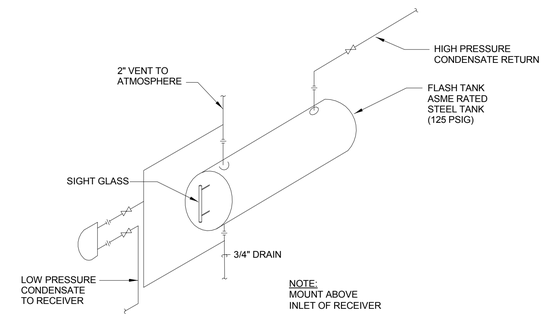
DASNY Project No: 319010-CR12

Drawing Number
M500

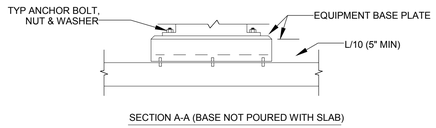
Drawing 90 of 129



1 SHELL & TUBE HEAT EXCHANGER (STEAM TO WATER)
N.T.S

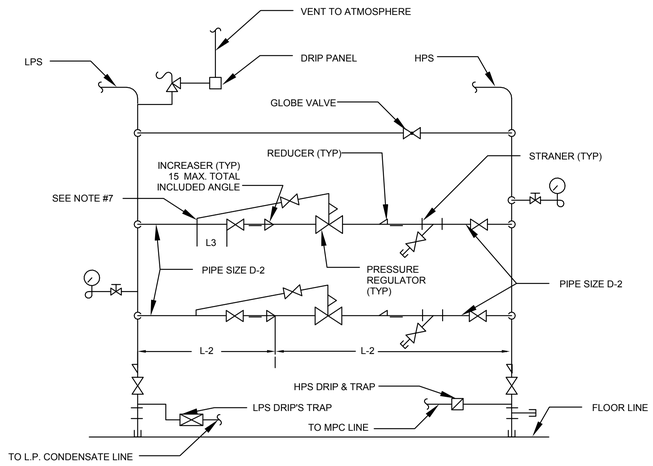


10 FLASH TANK PIPING DETAIL
N.T.S.



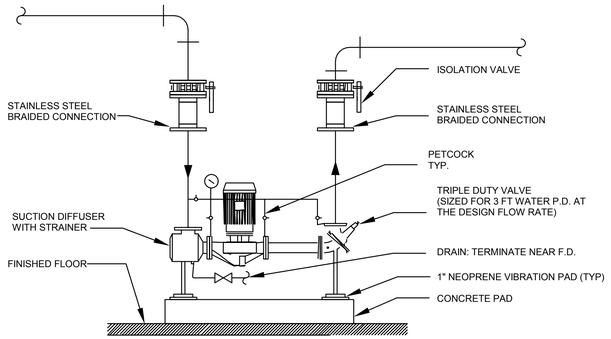
NOTE:
1. L AND W DIMENSIONS SHALL BE 6 INCHES GREATER THAN THE EQUIPMENT BASE PLATE
2. SEE ARCHITECT FOR DETAILS
3. VERIFY PAD SIZE BASED ON ACTUAL EQUIPMENT

5 NEW CONCRETE PAD DETAIL
N.T.S.

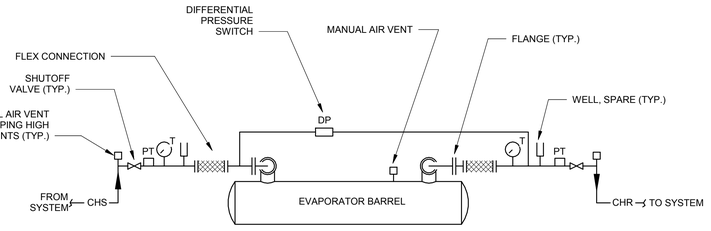


NOTES:
1. PILOT CONTROL LINE SHALL BE PITCHED AWAY FROM PILOT. NO WATER POCKETS PERMITTED.
2. PROVIDE REQUIRED UNIONS TO REMOVE PRV WHEN PRV HAS SCREWED CONNECTIONS.
3. PRESSURE REDUCING VALVES SHALL BE SIZED FOR INITIAL AND FINAL PRESSURES AND CAPPACITIES AS GIVEN IN SCHEDULE ON DRAINS.
4. SEE PRV SCHEDULE FOR L1 L2 & L3.
5. TO MINIMIZE NOISE GENERATED AT PRESSURE REDUCING STATION ION LONG TAPER CONCENTRIC REDUCERS SHALL BE USED WHERE STEAM LEAVES REDUCING VALVE. ING VALVE.
6. BYPASS IN HORIZONTAL PLANE LEVEL WHITH PRV.
7. 1/4" CONTROL PIPE-PITCH AWAY FROM PILOT, AVOID WATER POCKETS.

2 STEAM PRESSURE REDUCING STATION
N.T.S

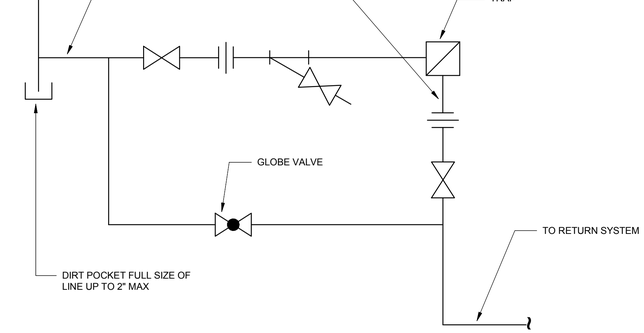


3 VERTICAL IN-LINE PUMP
N.T.S

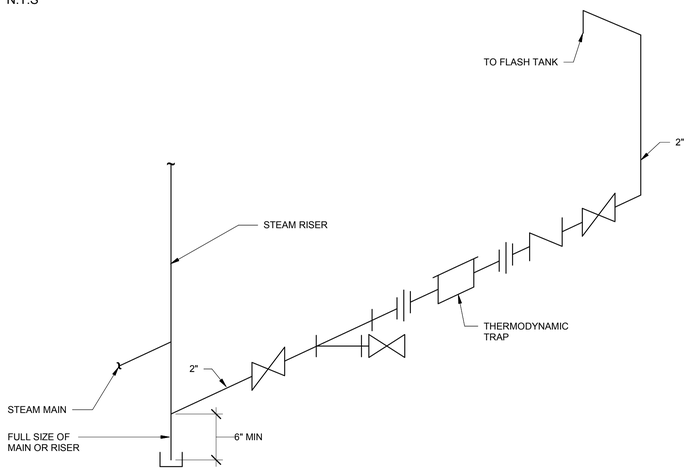


4 AIR COOLED CHILLER PIPING DETAIL
N.T.S

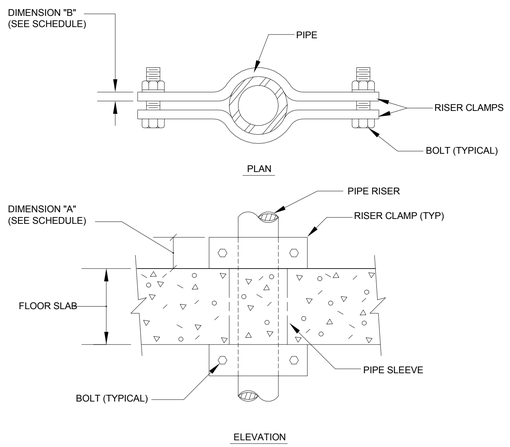
ANCHORS FOR PIPE RISERS		
PIPE SIZE	BOLT DIA.	RISER CLAMP DIMENSIONS A x B
1/2" THRU 1"	3/8"	1 1/4" x 3/16"
1 1/4" THRU 3"	3/8"	1 1/4" x 1/4"
4"	1/2"	1 1/2" x 1/4"
5" & 6"	1/2"	2" x 1/4"
8"	5/8"	2" x 3/8"
10"	5/8"	2" x 1/2"



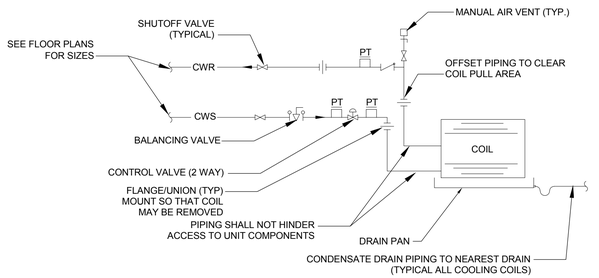
6 TYPICAL STEAM CONDENSATE RETURN CONNECTION
N.T.S



8 HIGH PRESSURE STEAM DRIP
N.T.S



9 ANCHOR FOR PIPE RISER DETAIL
N.T.S.



NOTE: PIPING ACCESSORIES SHALL BE MOUNTED IN SERVICEABLE LOCATIONS.

7 FAN COIL DETAIL
N.T.S.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL DETAILS

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
RH	BW	12-14-2018

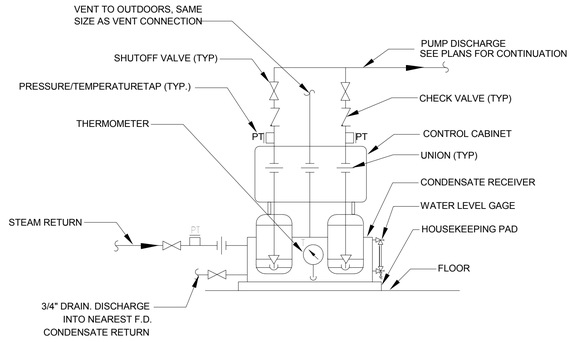
Seal & Signature

STATE OF NEW YORK — JULIE M. MARTIN — 090496 — LICENSED PROFESSIONAL ENGINEER

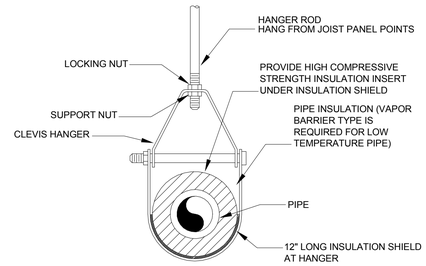
DASNY Project No: 319010-CR12

Drawing Number M700

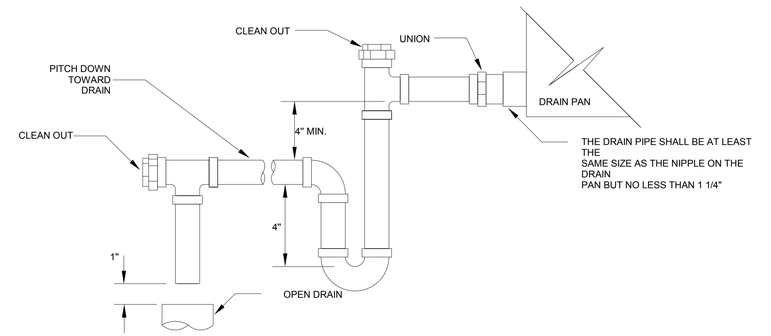
Drawing 91 of 129



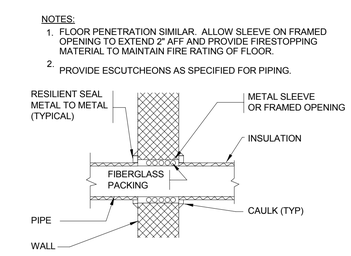
1 DULPEX CONDENSATE RECEIVER DETAIL
N.T.S.



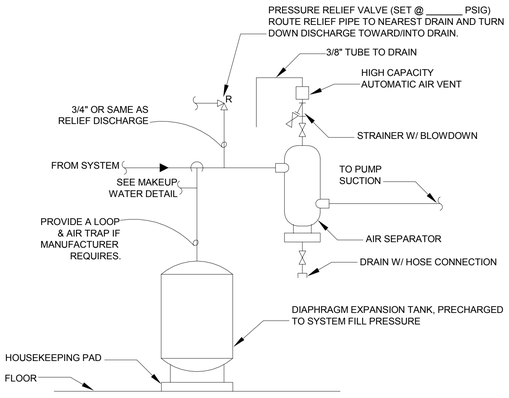
2 CLEVIS HANGER DETAIL
N.T.S.



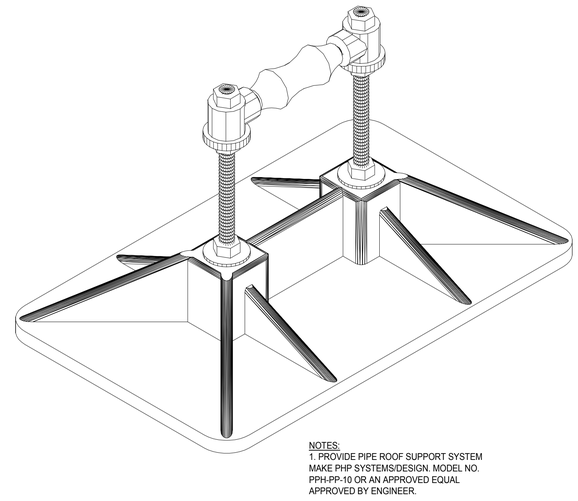
3 TYPICAL CONDENSATE DRAIN TRAP DETAIL
N.T.S.



4 PIPE- WALL PENETRATION DETAIL
N.T.S.

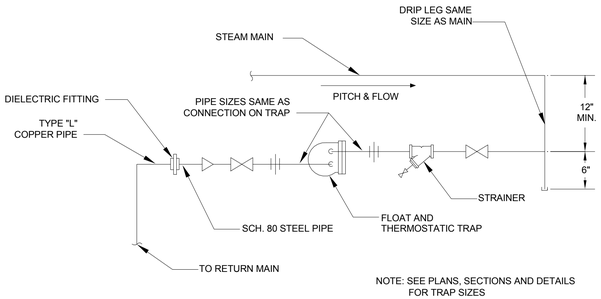


5 BLADDER EXPANSION TANK DETAIL
N.T.S.

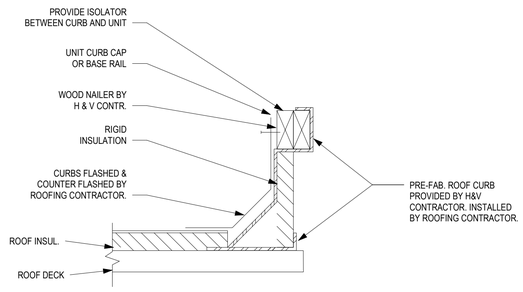


NOTES:
1. PROVIDE PIPE ROOF SUPPORT SYSTEM MAKE PHP SYSTEMS/DESIGN. MODEL NO. PPH-PP-10 OR AN APPROVED EQUAL APPROVED BY ENGINEER.

6 PIPE ROOF SUPPORT
N.T.S.

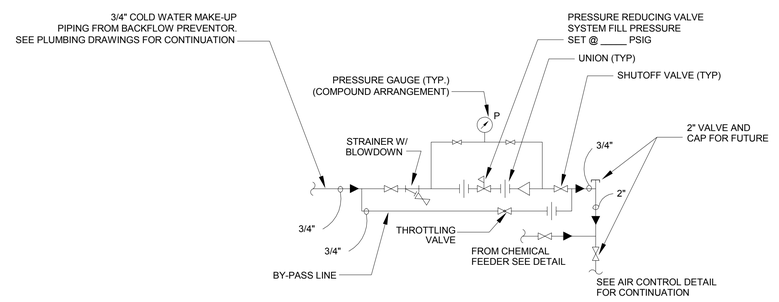


7 LOW PRESSURE STEAM MAIN DRIP DETAIL
N.T.S.



NOTE:
1. CONTRACTOR TO VERIFY ROOF CONSTRUCTION.

8 ROOF CURB DETAIL
1 1/2" = 1'-0"



9 MAKEUP WATER DETAIL
N.T.S.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL DETAILS

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
RH	BW	12-14-2018

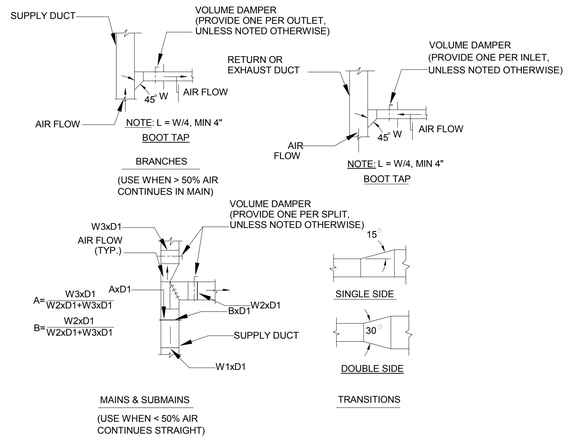
Seal & Signature

STATE OF NEW YORK — LICENSED TO PRACTICE — PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

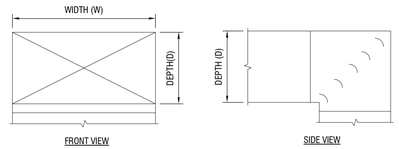
Drawing Number
M701

Drawing
92 of 129

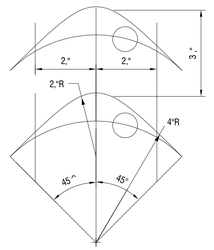


NOTE: SEE SPECIFICATIONS FOR ELBOWS AND OTHER CONNECTIONS. PROVIDE VOLUME DAMPERS IN MAINS ONLY AS SHOWN ON PLANS.

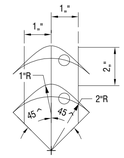
5 DUCTWORK CONNECTION DETAIL
N.T.S.



TYPICAL ELBOW



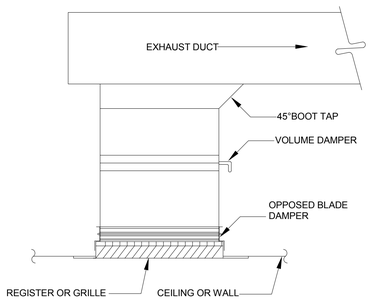
LARGE DOUBLE VANE ELBOW:
USE FOR ELBOWS 36" OR WIDER, AND ANY DEPTH



SMALL DOUBLE VANE ELBOW:
USE FOR ELBOWS UP TO 36" IN WIDTH, AND/OR DEPTH

NOTES:

1. ALL SQUARE OR RECTANGULAR ELBOWS SHALL HAVE ONE OF THE TWO TYPES OF TURNING VANES SHOWN ABOVE. SINGLE VANE ELBOWS SHALL NOT BE PERMITTED.
2. CONSTRUCT, SUPPORT, AND FASTEN ALL VANES AS RECOMMENDED BY SMACNA.
3. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR EXHAUST OR RETURN DUCT MAY BE MADE RADIUS ELBOWS, PROVIDED THAT SPACE PERMITS RADIUS INSTALLATION.
4. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR SUPPLY DUCT MAY BE MADE RADIUS ELBOWS, PROVIDED THAT SPACE PERMITS RADIUS INSTALLATION AND/OR THERE IS NO OUTLET OR TAKE-OFF WITHIN 5D ON THE DOWNSTREAM SIDE OF THE ELBOW.

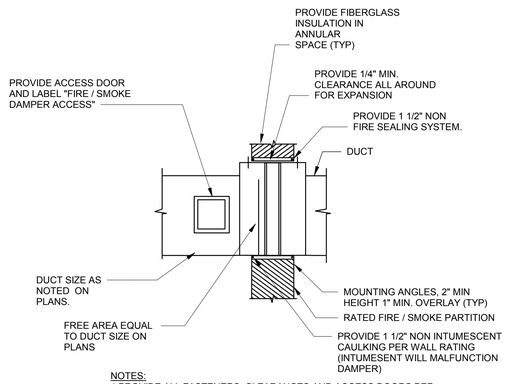


3 REGISTER OR GRILLE CONNECTION DETAIL
N.T.S.

ACCESS PANEL SIZE SCHEDULE	
DUCT SIZE	ACCESS PANEL SIZE
6" TO 15"	10" W x (DAMPER DEPTH-2") D
15" TO 21"	12" W x (DAMPER DEPTH-2") D
21' AND ABOVE	18" W x (DAMPER DEPTH-2") D

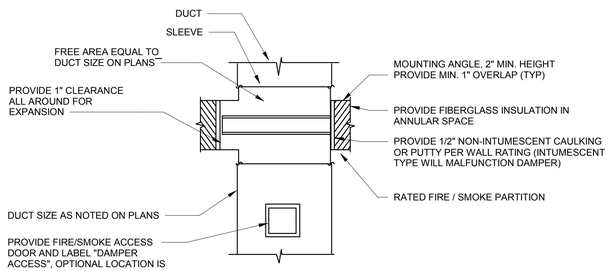
ALL OTHER ACCESS PANELS TO BE A MINIMUM OF 15" x 15" WHERE DUCT SIZE ALLOWS. USE FOUR CAM LATCHES ON PANELS LARGER THAN 18" x 18" SIZE.

4 ACCESS PANEL DETAIL
N.T.S.

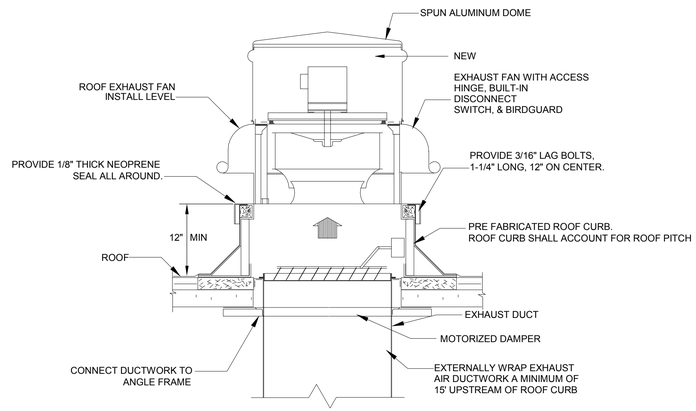


NOTES:
1.PROVIDE ALL FASTENERS, CLEARANCES AND ACCESS DOORS PER MANUFACTURER RECOMMENDATIONS AND IN ACCORDANCE WITH NFPA-90A-89 AND UL 555-90.

1 FIRE / SMOKE DAMPER DETAIL
N.T.S



1.PROVIDE ALL FASTENERS, CLEARANCES AND ACCESS DOORS PER MANUFACTURER RECOMMENDATIONS AND IN ACCORDANCE WITH NFPA-90A-89 AND UL 555-90.



2 ROOF EXHAUST FAN DETAIL
N.T.S

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL DETAILS

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
RH	BW	12-14-2018

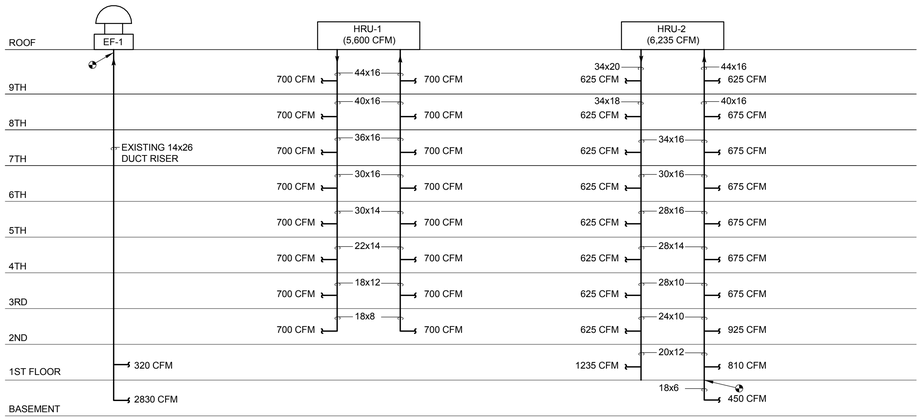
Seal & Signature

STATE OF NEW YORK — DUANE W. WARNER — 076946 — LICENSED PROFESSIONAL ENGINEER

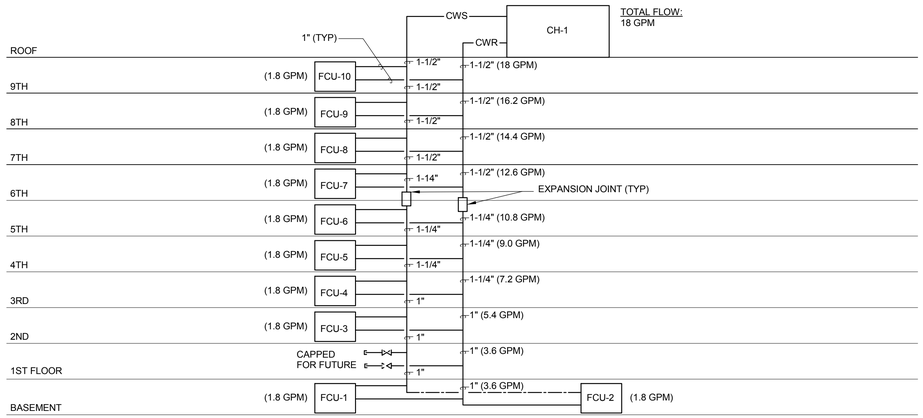
DASNY Project No: 319010-CR12

Drawing Number
M702

Drawing 93 *of* 129



VENTILATION RISER
N.T.S.



CHILLED WATER RISER
N.T.S.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
RISER DIAGRAMS

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
RH	BW	12-14-2018

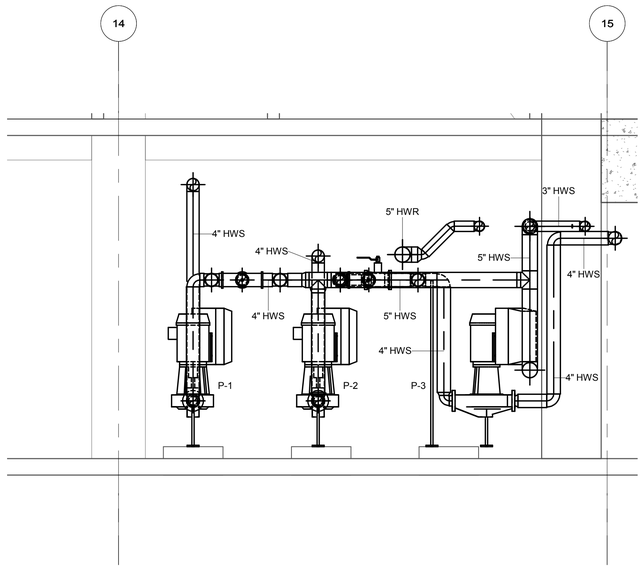
Seal & Signature

STATE OF NEW YORK · JAMES W. WARD · 090906 · PROFESSIONAL ENGINEER

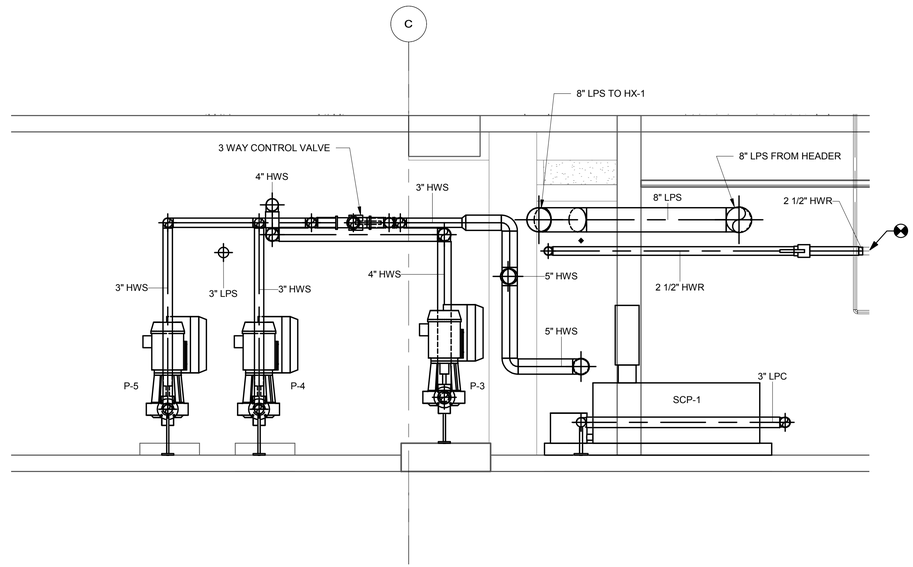
DASNY Project No:
319010-CR12

Drawing Number
M703

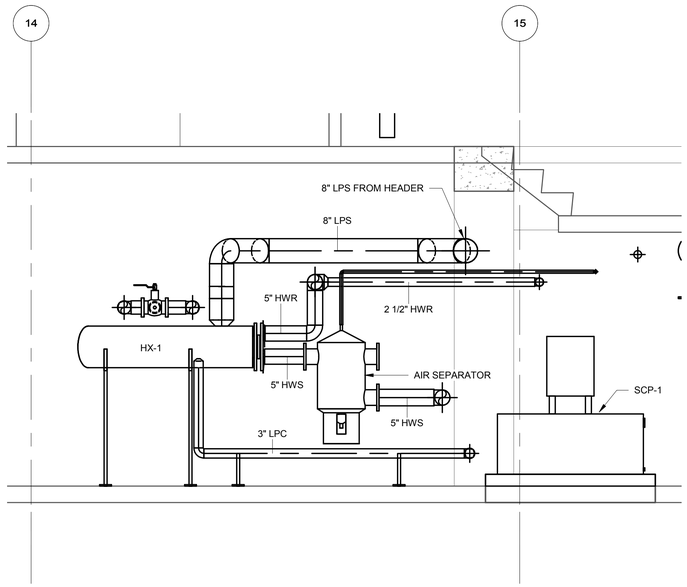
Drawing
94 of 129



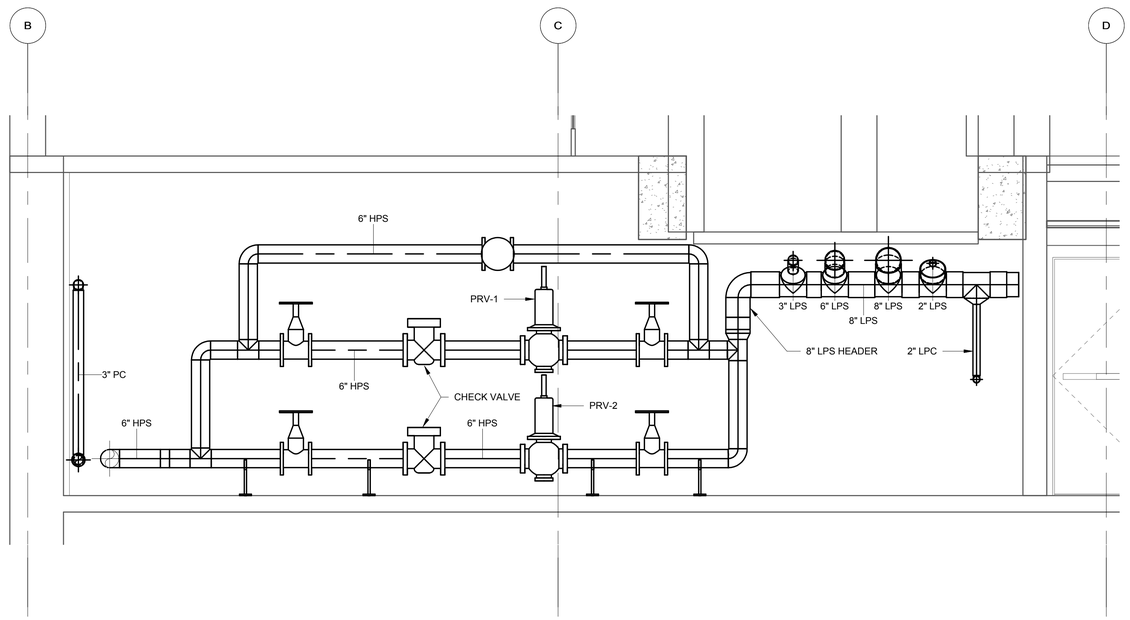
1 MECHANICAL ROOM PUMPS 1-3
1/2" = 1'-0"



2 MECHANICAL ROOM PUMPS 4 & 5,& CONDENSATE PUMP
1/2" = 1'-0"



3 MECHANICAL ROOM HEAT EXCHANGER
1/2" = 1'-0"



4 MECHANICAL ROOM PRESSURE REDUCING STATION
1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
MECHANICAL ROOM SECTIONS

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
RH	JA	12-14-2018

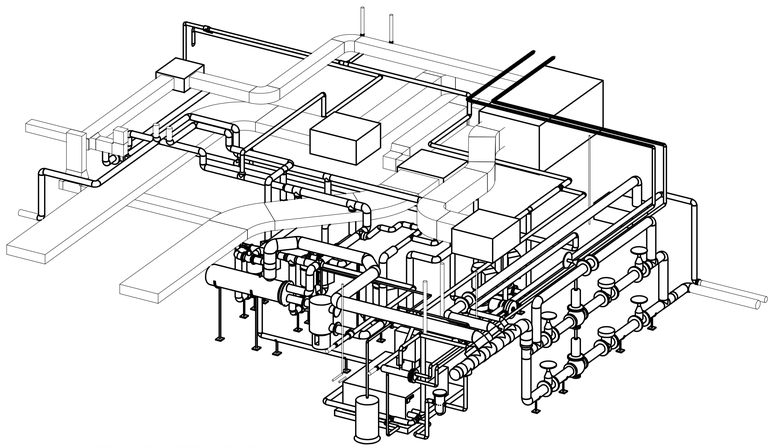
Seal & Signature

STATE OF NEW YORK · JANE W. MARTINEZ · 090906 · LICENSED PROFESSIONAL ENGINEER

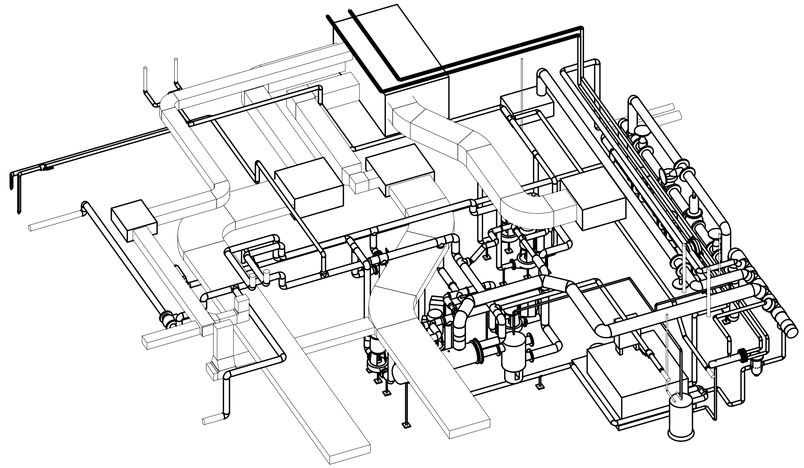
DASNY Project No:
319010-CR12

Drawing Number
M704

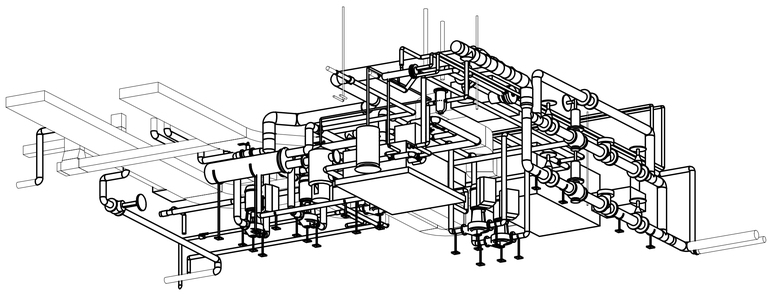
Drawing
95 of 129



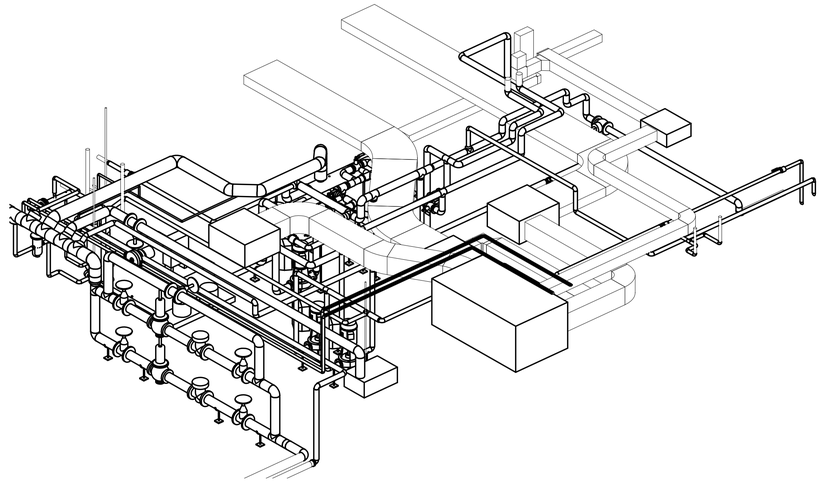
1 MECHANICAL ROOM 3D VIEW 1



2 MECHANICAL ROOM 3D VIEW 2



3 MECHANICAL ROOM 3D VIEW FROM BELOW



4 MECHANICAL ROOM 3D VIEW 3

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO

Project Title

FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

MECHANICAL ROOM 3D VIEWS

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
RH	JA	12-14-2018

Seal & Signature

STATE OF NEW YORK · JAMES W. MILLER · 090540 · PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number M705

Drawing 96 of 129

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK AS REQUIRED BY CODES, REGULATIONS AND LAWS OF THE LOCAL,STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES AND AGENCIES WITH LAWFUL JURISDICTION. ALL MATERIAL AND EQUIPMENT SHALL BE LISTED AS APPROPRIATE FOR THE APPLICATION.

2. THE CONTRACT SPECIFICATIONS FOR THIS PROJECT ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE CONSIDERED PART OF AND COMPLIMENTARY TO THE INFORMATION IN THE CONTRACT DRAWINGS.

3. ALL REFERENCES TO THE ELECTRICAL CONTRACTOR REFERS TO THE CONTRACTOR OR CONTRACTORS RESPONSIBLE FOR ANY AND ALL WORK SHOWN ON THESE CONTRACT DOCUMENTS.

4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK OR SHOP FABRICATION. REQUIRED CHANGES TO THE WORK AS SHOWN ON CONTRACT DOCUMENTS SHALL BE APPROVED BY THE ENGINEER, OTHER TRADES, AND OWNER, IN WRITING, PRIOR TO ANY CONSTRUCTION.

5. COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTS IN THE AFFECTED AND/OR ADJACENT AREA. COORDINATE SHUTDOWN OF EXISTING SYSTEMS WITH OWNER AND OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR DISABLING EXISTING SYSTEMS AS REQUIRED, AND IS RESPONSIBLE FOR PERFORMING ALL WORK AS REQUIRED BY CODES, REGULATIONS AND LAWS OF THE LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES AND AGENCIES WITH LAWFUL JURISTICTION. ALL MATERIAL AND EQUIPMENT SHALL BE LISTED AS APPROPRIATE FOR THE APPLICATION.

6. PROVIDE GROUNDING & BONDING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE CONTRACT DOCUMENTS. CONDUCTORS SHALL BE COPPER UNLESS INDICATED OTHERWISE. ALL FEEDERS, BRANCH CIRCUITS, AND OTHER WIRING SYSTEMS SHALL HAVE A SEPARATE DEDICATED INSULATED GROUND WIRE. ELECTRICALLY CONDUCTIVE MATERIALS ASSOCIATED WITH THE PROJECT SHALL BE CONNECTED TOGETHER IN A MANNER THAT CREATES A PERMANENT, LOW IMPEDANCE PATH FOR GROUND FAULT CURRENT. ALL BRANCH CIRCUITS REQUIRING A NEUTRAL SHALL HAVE SEPARATE DEDICATED FULL SIZE NEUTRAL CONDUCTORS OR AS INDICATED OTHERWISE.

7. THE CONTRACT DOCUMENTS ARE SCHEMATIC IN NATURE AND REPRESENT A COMPLETED PROJECT. MINOR MODIFICATIONS OF WORK SHALL BE PROVIDED BY THE CONTRACTOR TO COMPLY WITH PROJECT REQUIREMENTS AND TO INSTALL A WORKING SYSTEM. LOCATIONS OF DEVICES AND EQUIPMENT SHOW A GENERAL ARRANGEMENT AND/OR INTENDED FUNCTION. ALL COMPONENTS TO BE INSTALLED ARE NOT SHOWN ON ALL DRAWINGS OR DETAILS, BUT SHALL BE INCLUDED AS IF SHOWN ON ALL. EXACT LOCATIONS OF CERTAIN EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS MAY BE SHOWN ON THE DRAWINGS SHOWING THAT EQUIPMENT. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXACT LOCATION FOR THAT EQUIPMENT.

8. BEFORE INSTALLATION OF WORK, THE CONTRACTOR SHALL CHECK FOR ALL REQUIRED CLEARANCES, INCLUDING DOOR SWINGS, TO AVOID INTERFERENCE WITH OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COORDINATING WITH ALL CONTRACT DOCUMENTS, SHOP DRAWINGS, CONTRACTOR SUBMITTALS AND EQUIPMENT CONTRACT DOCUMENTS.

9. PROVIDE ELECTRICAL CONNECTION FOR EVERY FIXTURE, ITEM OR ANY EQUIPMENT REQUIRING ANY ELECTRICAL CONNECTION WHICH IS SHOWN ON ANY CONTRACT DRAWING OR NOTED IN ANY TECHNICAL SPECIFICATION.

10. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CONDITIONS FOR WARRANTY AND GUARANTEE. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION READY FOR CONTINUOUS USE.

11. EXISTING CIRCUITS, AND DEVICES, WHICH ARE PRESENT OR PASS THROUGH AFFECTED AREAS, SHALL BE MAINTAINED OPERATIONAL, AS REQUIRED, AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND AVOIDING, IF POSSIBLE, THESE CIRCUITS AND DEVICES. IF DISTURBED, UNLESS OTHERWISE APPROVED BY THE ENGINEER, SHALL BE REPAIRED, OR REPLACED, AND MADE OPERATIONAL AS SOON AS POSSIBLE AND AT THE CONTRACTORS EXPENSE. ALL INTERRUPTIONS TO LIFE SAFETY SYSTEMS INCLUDING ALARM SYSTEMS SHALL BE KEPT TO A MINIMUM AND SHALL BE RESTORED AS SOON AS POSSIBLE.

12. THE CONTRACTOR IS RESPONSIBLE FOR ANY EQUIPMENT OR WORK THAT MAY BE REQUIRED TO BE TEMPORARILY DISCONNECTED, REMOVED AND/OR RELOCATED AS PART OF THE CONTRACTORS WORK OR THE WORK OF OTHER TRADES. THE EQUIPMENT SHALL BE PROTECTED FROM DAMAGE.THE CONTRACTOR IS RESPONSIBLE TO RECONNECT AND MAKE ELECTRICALLY OPERATIONAL ALL EQUIPMENT THAT IS DISCONNECTED AND/OR RELOCATED AS PART OF THE WORK.

13. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON SITE SHOWING CHANGES MADE DUE TO FIELD CONDITIONS OR ENGINEER APPROVED CHANGES. THE RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED. ELECTRONIC VERSIONS, AS APPROVED BY THE ENGINEER, ARE ACCEPTABLE.

14. ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE. ALL WIRING SHALL BE RUN CONCEALED OR IN RACEWAY UNLESS SPECIFIED OTHERWISE.

15. ALL RACEWAYS THROUGH BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS. CUT AND PATCH BUILDING STRUCTURE AS REQUIRED. PROVIDE UL LISTED FIRE STOP METHODS FOR PENETRATIONS OF FIRE-RATED BUILDING COMPONENTS OR BARRIERS PER CONTRACT SPECIFICATIONS. WATERPROOF ALL EXTERIOR OUTDOOR PENETRATIONS. THIS WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL.

16. ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.

17. CONTRACTOR SHALL PROVIDE NECESSARY SUPPORT FRAMING, STIFFENERS, BRACING, AND HANGERS TO ENSURE A COMPLETE AND DURABLE SYSTEM. SUPPORTS MAY VARY FROM THOSE SHOWN IN DETAILS AND AS REQUIRED FOR EQUIPMENT TO BE FURNISHED OR FOR EXISTING FIELD CONDITIONS. DEVIATIONS FROM THE CONTRACT DOCUMENTS MUST BE APPROVED BY THE ENGINEER.

18. NOT ALL SYMBOLS AND NOT ALL NOTES ARE USED ON THESE CONTRACT DRAWINGS.

19. DEMOLITION NOTES ARE SUPPLEMENTARY TO THE GENERAL NOTES IN THE CONTRACT DOCUMENTS WHICH INCLUDE BOTH THE CONTRACT DRAWINGS AND CONTRACT SPECIFICATIONS.
    a. REMOVE ALL EXISTING ELECTRICAL ITEMS SHOWN ON THE DEMOLITION DRAWINGS UNLESS NOTED OTHERWISE.
    b. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING THE BID AND COMMENCEMENT OF ANY WORK. UNFAMILIARITY WITH THE SITE CONDITIONS OR DISCREPENCIES BETWEEN THE SITE CONDITIONS AND THE CONTRACT DOCUMENTS WILL NOT CONSTITUTE EXTRA WORK.
    c. ELECTRICAL CIRCUITS AND CIRCUITS CONNECTED TO ANY EQUIPMENT THAT IS SHOWN TO BE DEMOLISHED AND/OR REMOVED SHALL BE DEMOLISHED AND/OR REMOVED BACK TO THE SOURCE INCLUDING ALL RACEWAYS, UNLESS NOTED OTHERWISE. RACEWAYS CONTAINED AND CONCEALED IN FLOORS, CEILINGS OR WALLS THAT ARE NOT TO BE AFFECTED BY ANY CONTRACT OR BY ANY TRADE WILL BE LEFT IN PLACE.

GENERAL ABBREVIATIONS

A	AMPERES
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
ATC	AUTOMATIC TEMPERATURE CONTROL
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
BLDG	BUILDING
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTERLINE
COL	COLUMN
CPT	CONTROL POWER TRANSFORMER
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENG	ENGINEER
ERGB	ELECTRICAL ROOM GROUND BAR
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
F	FUSE
FA	FIRE ALARM
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GC	GENERAL CONTRACTOR
GF	GROUND FAULT
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GFI	GROUND-FAULT INTERRUPTER
GND,G	GROUND OR GROUNDING
HOA	HAND, OFF, AUTOMATIC SWITCH
IDF	INTERMEDIATE DISTRIBUTION FRAME
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IMC	INTERMEDIATE METAL CONDUIT
INT	INTERLOCK
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTG	LIGHTING
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MCS	MOTOR CONTROL STARTER
MISC	MISCELLANEOUS
MDF	MAIN DISTRIBUTION FRAME
MLO	MAIN LUGS ONLY
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NMC	NON METALLIC CONDUIT
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
P	POLE
PB	PUSHBUTTON
PL	PLUMBING CONTRACTOR
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
RMC	RIGID METAL CONDUIT
RMS	ROOT MEAN SQUARED
RNMC	RIGID NON-METALLIC CONDUIT
RTU	ROOF TOP UNIT
SP	SPARE
SS	SAFETY SWITCH
ST	SHUNT TRIP
SW	SWITCH
SYM	SYMMETRICAL
TYP	TYPICAL
UG	UNDERGROUND OR UNDERGRADE
UL	UNDERWRITERS LABORATORIES
UON, UNO	UNLESS OTHERWISE NOTED
V	VOLT
VAC	VOLT ALTERNATING CURRENT
VDC	VOLT DIRECT CURRENT
VT	VOLTAGE TRANSFORMER
W	WIRE
WG	WIRE GUARD
WH	WATER HEATER
WP	WEATHER PROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
	DELTA
	WYE
(E)	EXISTING ITEM - SHOWN FOR REFERENCE ONLY

FIRE ALARM SYSTEM SYMBOLS

- FACP — FIRE ALARM CONTROL PANEL
- FAC — FIRE ALARM COMMUNICATOR
- FTR — FIRE ALARM TRANSPONDER
- FTM — FIRE ALARM TERMINAL CABINET
- FBC — FIRE ALARM BATTERY CABINET
- FPS — FIRE ALARM POWER SUPPLY
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- AOR — AREA OF REFUGE PANEL
- M — MANUAL PULL STATION
- H — HEAT DETECTOR - 135DEG. FIXED UNLESS INDICATED OTHERWISE
- S — SMOKE DETECTOR
- D — DUCT MOUNTED SMOKE DETECTOR
- C — COMBINATION HEAT / SMOKE DETECTOR
- B — BEAM TYPE SMOKE DETECTOR, TRANSMITTER
- B — BEAM TYPE SMOKE DETECTOR, RECEIVER OR REFLECTOR
- F — COMBINATION HORN/STROBE
- F — STROBE ONLY
- F — COMBINATION SPEAKER/STROBE
- SPEAKER ONLY
- CO — CARBON MONOXIDE (CO) DETECTOR
- F — CO HORN/STROBE
- F — CO STROBE
- F — COMBINATION CO SPEAKER/STROBE
- G — GAS DETECTOR
- M — WALL MOUNTED MAGNETIC DOOR HOLDER
- M — FLOOR MOUNTED MAGNETIC DOOR HOLDER
- FA — FIRE ALARM CIRCUIT
- AIM — ADDRESSABLE INTERFACE MODULE
- DETECTION SWITCH, VALVE TAMPER- FURNISHED & INSTALLED BY P.C. AND WIRED BY E.C
- DETECTOR, FLOW SWITCH-FURNISHED & INSTALLED BY P.C. AND WIRED BY E.C
- FIRE ALARM CHECK VALVE-FURNISHED & INSTALLED BY P.C. AND WIRED BY E.C
- SD — SMOKE DAMPER - FURNISHED & INSTALLED BY M.C. AND WIRED BY E.C.

NOTE: ALL STROBE UNITS TO BE INDIVIDUALLY VARIABLE CANDELA AND ALL HORN AND SPEAKER TO BE INDIVIDUALLY VARIABLE VOLUME.

SPECIAL SYSTEMS SYMBOLS

- S_X — CEILING MOUNTED SPEAKER, X = TYPE
- S_Y — WALL MOUNTED SPEAKER, Y = NUMBER OF FACES VISIBLE
- WAP — WIRELESS ACCESS POINT
- C — WALL MOUNTED CLOCK
- C — WALL MOUNTED DOUBLE-SIDED CLOCK
- MDF — MAIN DATA FRAME
- IDF — INTERMEDIATE DATA FRAME
- ELECTRICAL TIME CLOCK
- PA — PA CONSOLE
- SPECIAL SYSTEMS RECEPTACLE
  X , T = TELEPHONE DUPLEX
  D = DATA DUPLEX
  I = INTERCOM
  N = NURSE CALL
  C = CAMERA DUPLEX
  R = RADIO DUPLEX
  TV = TELEVISION OUTLET
  * = SPECIAL - SEE KEYNOTE
- WALL MOUNTED SPECIAL SYSTEMS RECEPTACLE - WITH SINGLE GANG BOX AND CONDUIT TO CEILING SPACE
- SPECIAL SYSTEMS RECEPTACLE FLUSH WITH FLOOR
- —CATV— CABLE TELEVISION LINE
- —CCTV— CLOSED CIRCUIT TELEVISION LINE
- —FO— FIBER OPTIC LINE
- —T— TELEPHONE LINE
- —I— INTERCOM LINE

PLAN VIEW WIRING DEVICE SYMBOLS

- X — DUPLEX RECEPTACLE
  X: D=DEDICATED
  G=GROUND FAULT INTERUPPTING TYPE
  AC=INSTALLED ABOVE COUNTER BACKSPLASH
  BC=INSTALLED BELOW COUNTER
  WP=WEATHER PROOF WHILE IN USE COVER
  H=HOSPITAL GRADE
  T=TAMPER RESISTANT
  TVSS=TVSS RECEPTACLE
  U=RECEPTACLE WITH USB CHARGE CONNECTORS
  SS=SURGE SUPRESSION
- QUAD RECEPTACLE
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE - 1/2 CONTROLLED BY WALL SWITCH
- SPECIAL OUTLET (WITH CHARACTERISTICS AS NOTED ON PLANS)
- DUPLEX RECEPTACLE - FLUSH WITH FLOOR
- JUNCTION BOX
- JUNCTION BOX FLUSH WITH FLOOR
- T — TRANSFORMER
- ELECTRICAL PANELBOARD (SEE PANELBOARD SCHEDULE)
- UNFUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- ELECTRICAL STARTER COMBINATION WITH FUSED DISCONNECT SWITCH
- ELECTRICAL STARTER OR MOTOR CONTROLLER
- ENCLOSED CIRCUIT BREAKER
- VFD — VARIABLE SPEED DRIVE
- VFD — COMBINATION VARIABLE SPEED DRIVE (AS SCHEDULED)
- 1/2 — MOTOR CONNECTION - 1/2 INDICATES 1/2 HORSEPOWER
- PPI — CIRCUIT HOMERUN SOURCE; HASHES INDICATE NUMBER OF CIRCUITS, PPI IS DESIGNATION
- HAND DRYER
- CR — CEILING MOUNTED CORD REEL
- S — SINGLE CHANNEL RACEWAY
- D — DOUBLE CHANNEL RACEWAY

SINGLE LINE WIRING DIAGRAM SYMBOLS

- DISCONNECT xxAF=AMPERE FRAME RATING, xP=POLES
- FUSE xxA=AMPERE RATING, xxAT=AMPERE TRIP RATING, xP=POLES, CL=CURRENT LIMITING
- GROUND
- CIRCUIT BREAKER xxA= AMPERE, xP= POLES,ST=SHUNT TRIP, CL=CURRENT LIMITING
- POWER TRANSFORMER, DRAWOUT TYPE, xxA = AMPERES, xP = POLES
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER, RATIO AS NOTED (IE. 5:1 INDICATES 5 PRIMARY TURNS TO 1 SECONDARY TURN)
- POWER TRANSFORMER xx=KVA 480-208/120V = 480 PRIMARY, 208/120 SECONDARY
- AUTOMATIC TRANSFER SWITCH
- 4#12+1#12G,1/2"C (INDICATES 3 PHASE CONDUCTORS & NEUTRAL PLUS 1 GROUND INSTALLED IN A 1/2" CONDUIT)
- 1/2 — MOTOR CONNECTION - 1/2 INDICATES 1/2 HORSEPOWER
- ELECTRICAL DELTA CONNECTION
- ELECTRICAL WYE CONNECTION
- ELECTRICAL SPLIT PHASE-THREE PHASE CONNECTION
- M — ELECTRICAL METER
  M: WHM = WATT HOUR METER
  V= VOLT METER
  A= CURRENT METER
- G — ELECTRICAL POWER GENERATOR
- PB — PULL BOX

LIGHTING EQUIPMENT SYMBOLS

- $_# — LIGHT SWITCH
  # = 3 IS 3-WAY, 4 IS 4-WAY
- $_X — LIGHT SWITCH
  X , D = DIMMER
  M = MOMENTARY
  OS = OCCUPANCY SENSOR
  K = KEY OPERATED
  T = TIMER
  P = SWITCH WITH PILOT LIGHT
  WP = WEATHER PROOF
- CEILING MOUNTED EXIT LIGHT - PROVIDE FACES, MOUNTING & ARROWS AS REQUIRED BY PLANS.
- WALL MOUNTED EXIT LIGHT - PROVIDE FACES, MOUNTING & ARROWS AS REQUIRED BY PLANS.
- OS — CEILING MOUNTED OCCUPANCY SENSOR WITH PIR/MICROPHONICS DUAL TECHNOLOGY UNLESS NOTED OTHERWISE
- PC — PHOTOCELL DAYLIGHT SENSOR
- LIGHTING CONTACTOR
- THREE WAY EMERGENCY LIGHT, BATTERY POWERED
- TWO WAY EMERGENCY LIGHT, BATTERY POWERED

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
LEGEND, SYMBOLS AND NOTES

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
LG	LG	12-14-2018

Seal & Signature

STATE OF NEW YORK — RICHARD E. GARRETT — 238040 — LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E001

Drawing 97 *of* 129

GENERAL DEMOLITION NOTES:

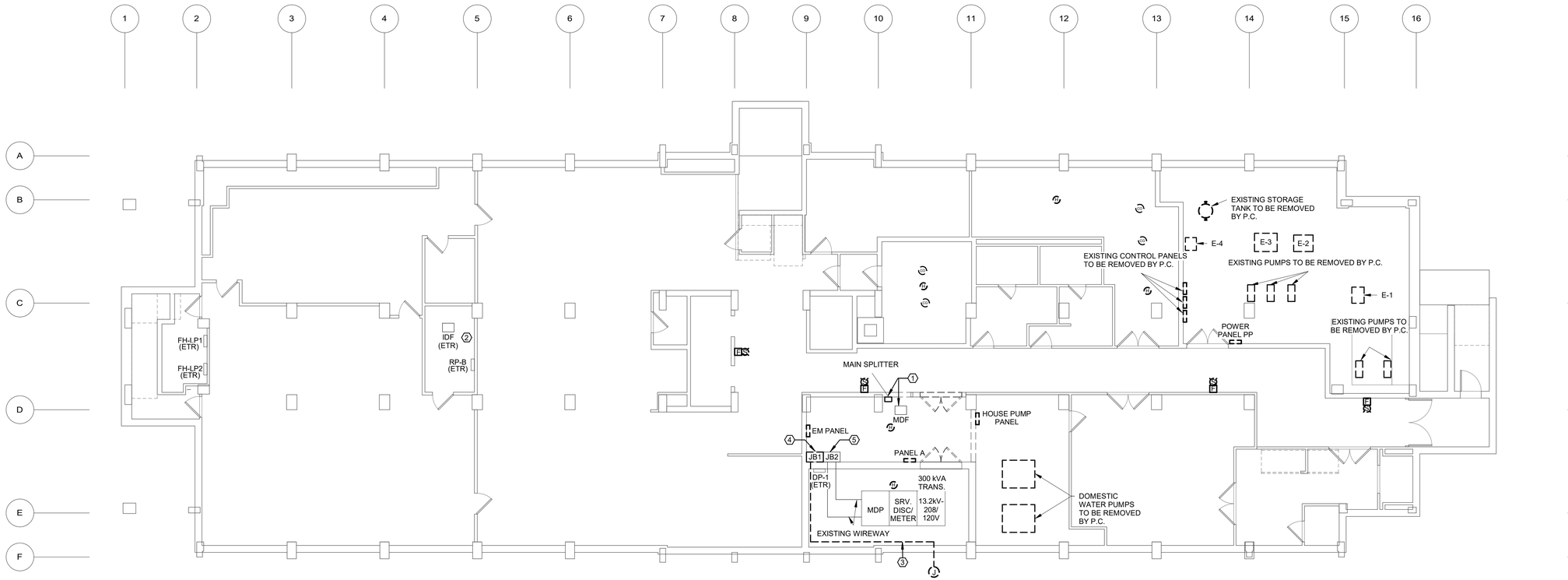
1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

GENERAL NOTES

1. ALL EXISTING EQUIPMENT AND DEVICES SHOWN ON THIS DRAWING ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
2. ANY EXISTING EQUIPMENT OR DEVICES NOT SHOWN ON THIS DRAWING THAT ARE IN THE AREAS OF DEMO ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
3. COORDINATE WITH ABATEMENT CONTRACTOR. REFER TO ABATMENT DRAWINGS FOR COORDINATION.
4. ALL EXISTING DATA AND POWER CONDUIT LOCATED IN AREAS OF DEMO TO BE REMOVED WITH EQUIPMENT.

KEYNOTES

1. DATA AND COMMUNICATION EQUIPMENT TO BE REMOVED BY SUNY OSWEGO PERSONNEL PRIOR TO WORK. REMOVAL TO BE COORDINATED WITH ABATEMENT CONTRACTOR.
2. DEMO AND SAVE EXISTING LADDER CABLE TRAY FOR FUTURE USE IN DATA ROOMS.
3. REMOVE ABANDONED CONDUIT AND JUNCTION BOX. REPAIR EXTERIOR FOUNDATION WALL.
4. REMOVE JB1 AFTER ALL CIRCUITS HAVE BEEN REROUTED AND REMOVED.
5. REUSE JB2 TO INTERFACE EXISTING WIREWAY TO FEED LPS AND LPN.



1 BASEMENT1
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT ELECTRICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 039604 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
ED100

Drawing 98 of 129

GENERAL DEMOLITION NOTES:

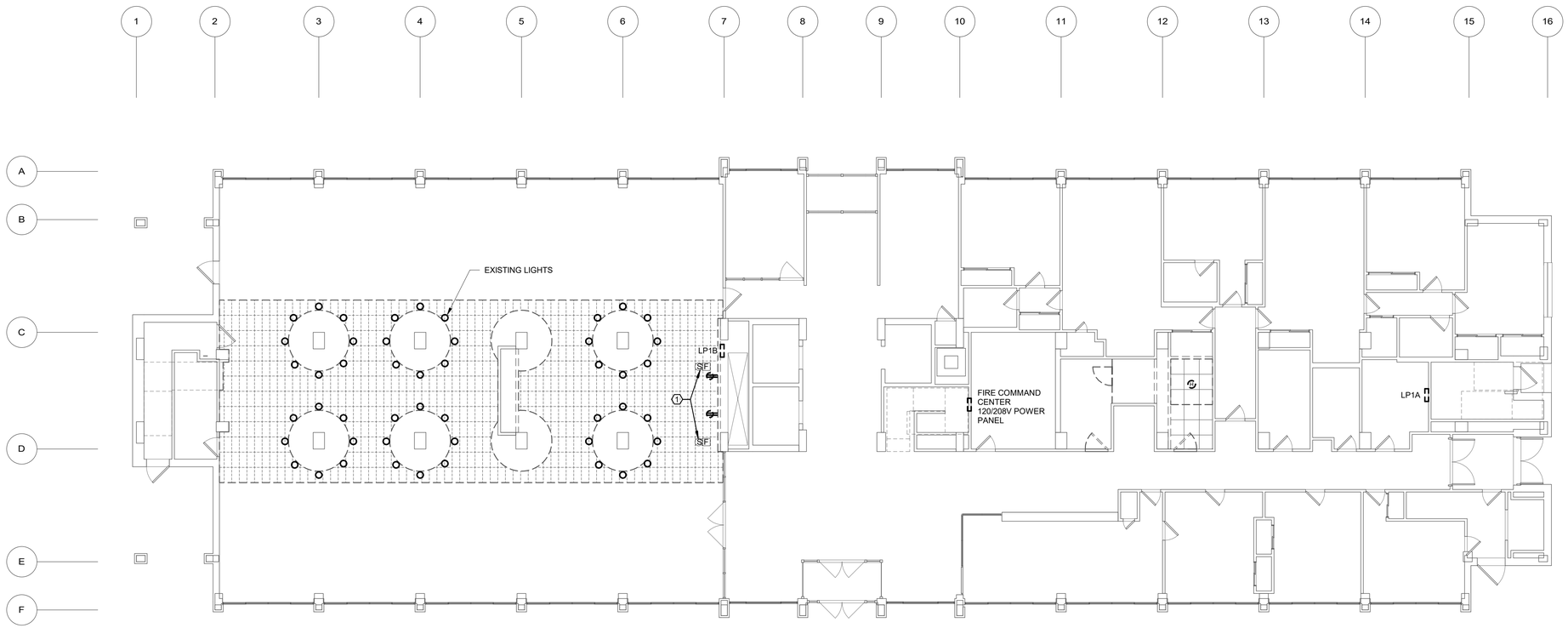
1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

GENERAL NOTES

1. ALL EXISTING EQUIPMENT AND DEVICES SHOWN ON THIS DRAWING ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
2. ANY EXISTING EQUIPMENT OR DEVICES NOT SHOWN ON THIS DRAWING THAT ARE IN THE AREAS OF DEMO ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
3. COORDINATE WITH ABATEMENT CONTRACTOR. REFER TO ABATMENT DRAWINGS FOR COORDINATION.
4. ALL EXISTING DATA AND POWER CONDUIT LOCATED IN AREAS OF DEMO TO BE REMOVED WITH EQUIPMENT.

KEYNOTES

(1) EXISTING FIRE ALARM SPEAKER STROBE DEVICES TO BE REMOVED, STORED, AND REUSED .



1 1ST FLOOR 1
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR ELECTRICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARREN · 025040 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
ED101

Drawing 99 *of* 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

GENERAL NOTES

1. ALL EXISTING EQUIPMENT AND DEVICES SHOWN ON THIS DRAWING ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
2. ANY EXISTING EQUIPMENT OR DEVICES NOT SHOWN ON THIS DRAWING THAT ARE IN THE AREAS OF DEMO ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
3. COORDINATE WITH ABATEMENT CONTRACTOR. REFER TO ABATMENT DRAWINGS FOR COORDINATION.
4. ALL EXISTING DATA AND POWER CONDUIT LOCATED IN AREAS OF DEMO TO BE REMOVED WITH EQUIPMENT.

KEYNOTES

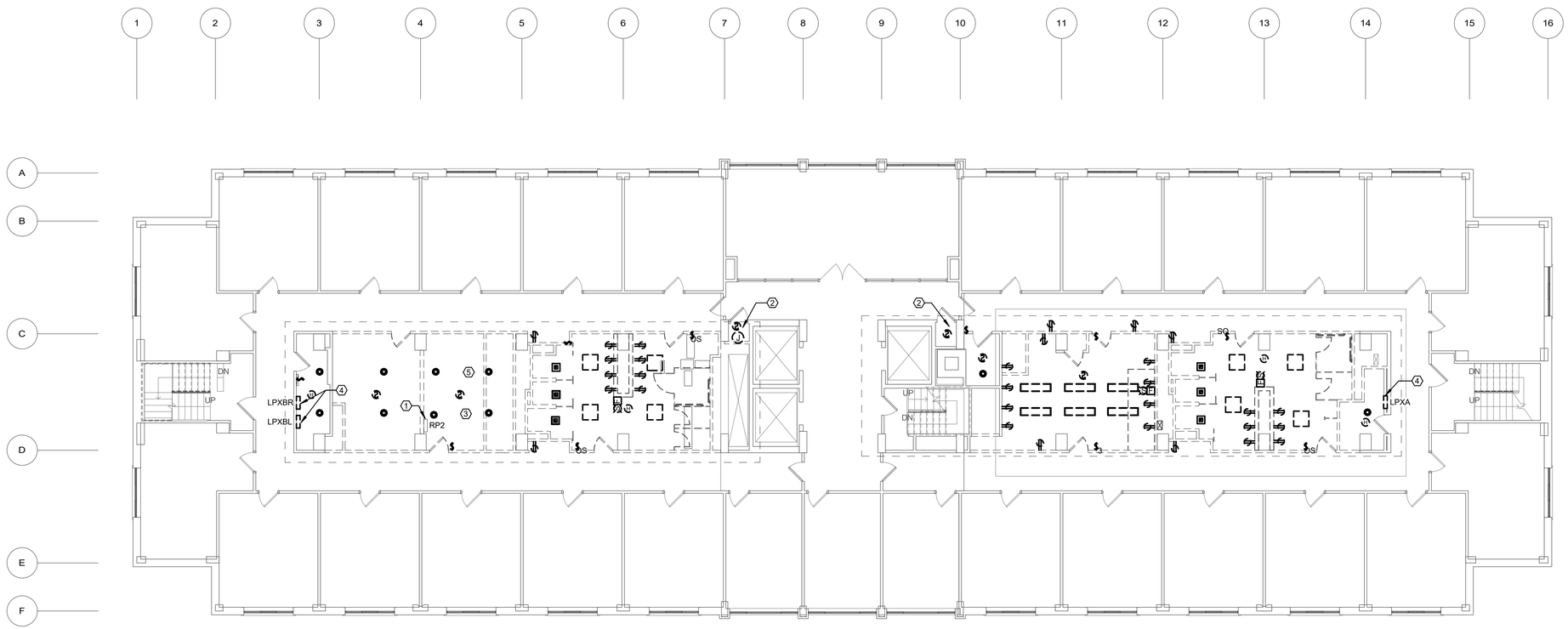
(1) EXISTING PANEL TO BE RELOCATED. REMOVE FEEDING CONDUIT ON ALL FLOORS.

(2) DATA AND COMMUNICATION EQUIPMENT TO BE REMOVED BY SUNY OSWEGO PERSONNEL PRIOR TO WORK. REMOVAL TO BE COORDINATED WITH ABATEMENT CONTRACTOR.

(3) DEMO AND SAVE EXISTING LADDER CABLE TRAY FOR FUTURE USE IN DATA ROOMS.

(4) REMOVE FEEDING CONDUIT ON ALL FLOORS.

(5) REMOVE DATA CONDUIT ON ALL FLOORS.



1 2ND FLOOR 1
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-9 FLOOR ELECTRICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 058045 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
ED102

Drawing 100 of 129

GENERAL DEMOLITION NOTES:

1.) COORDINATE WITH HAZARDOUS MATERIALS DRAWINGS (HD) AND HAZMAT CONTRACTOR FOR DEMOLITION REQUIREMENTS OF ASBESTOS PRIOR TO GENERAL DEMOLITION.

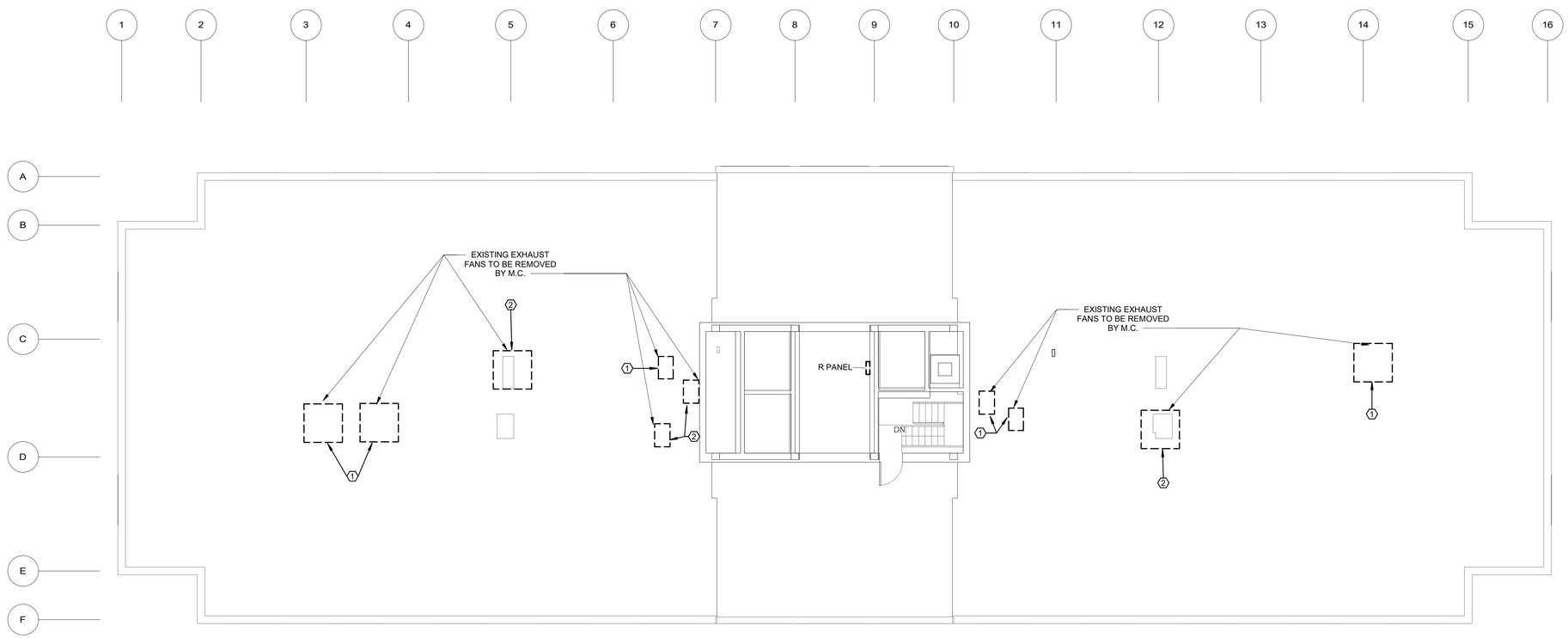
GENERAL NOTES

1. ALL EXISTING EQUIPMENT AND DEVICES SHOWN ON THIS DRAWING ARE TO BE REMOVED.
2. ANY EXISTING EQUIPMENT OR DEVICES NOT SHOWN ON THIS DRAWING THAT ARE IN THE AREAS OF DEMO ARE TO BE REMOVED.
3. REMOVE ALL WIRING OF EQUIPMENT TO BE DEMOED BACK TO SOURCE.
4. COORDINATE WITH ABATEMENT CONTRACTOR. REFER TO ABATMENT DRAWINGS FOR COORDINATION.
5. ALL EXISTING DATA AND POWER CONDUIT LOCATED IN AREAS OF DEMO TO BE REMOVED WITH EQUIPMENT.

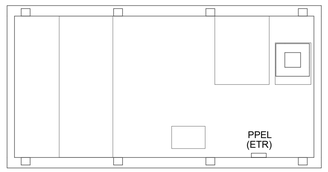
KEYNOTES

(1) DISCONNECT MECHANICAL EQUIPMENT FROM EXISTING LIGHTNING PROTECTION SYSTEM AND REMOVE CONDUCTOR BACK TO CONNECTOR.

(2) DISCONNECT MECHANICAL EQUIPMENT FROM EXISTING LIGHTNING PROTECTION SYSTEM AND LEAVE CONDUCTOR FOR CONNECTION TO NEW MECHANICAL EQUIPMENT. PROTECT CONDUCTOR TO ACCOMODATE FOR ROOF CONSTRUCTION. SEE SHEET E104 FOR LIGHTNING PROTECTION SYSTEM RECONNECTION.



1 ROOF DEMO PLAN
1/8" = 1'-0"



2 MEZZANINE DEMO PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ROOF ELECTRICAL DEMO PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

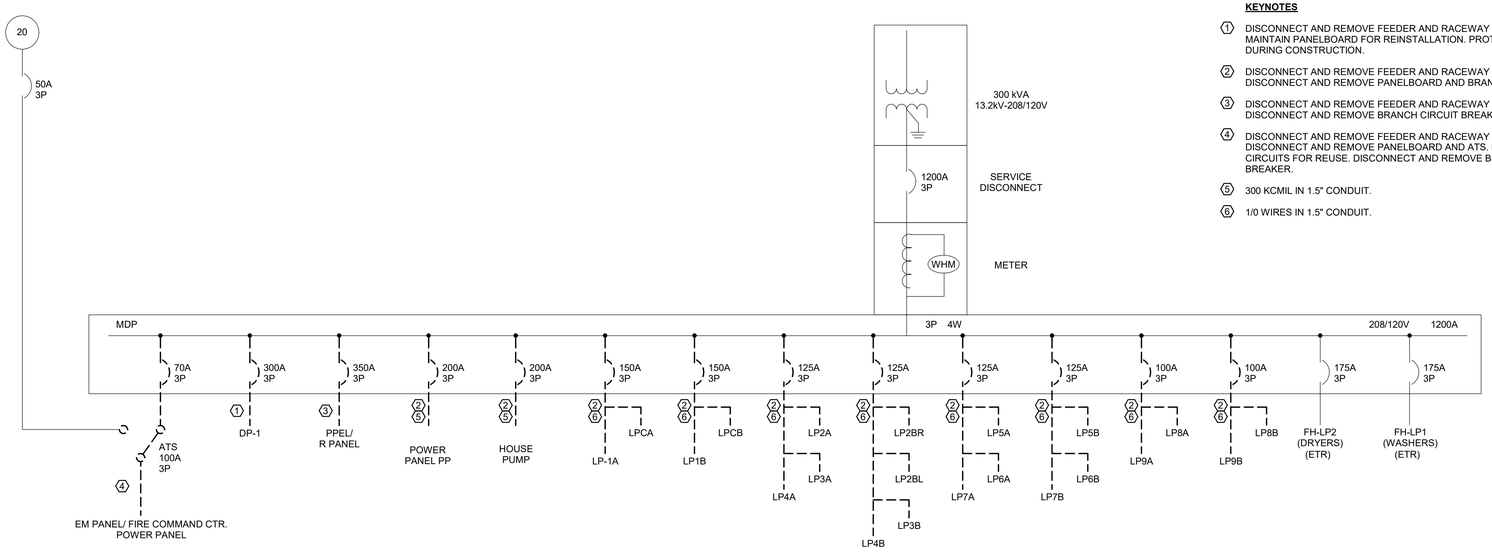
Seal & Signature

STATE OF NEW YORK RICHARD E. GARBRECHT LICENSED PROFESSIONAL ENGINEER 088040

DASNY Project No: 319010-CR12

Drawing Number ED103

Drawing 101 of 129



1 EXISTING SINGLE LINE
12" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE FEEDER AND RACEWAY BACK TO SOURCE. MAINTAIN PANELBOARD FOR REINSTALLATION. PROTECT PANELBOARD DURING CONSTRUCTION.
2. DISCONNECT AND REMOVE FEEDER AND RACEWAY BACK TO SOURCE. DISCONNECT AND REMOVE PANELBOARD AND BRANCH CIRCUITS.
3. DISCONNECT AND REMOVE FEEDER AND RACEWAY BACK TO SOURCE. DISCONNECT AND REMOVE BRANCH CIRCUIT BREAKER.
4. DISCONNECT AND REMOVE FEEDER AND RACEWAY BACK TO SOURCE. DISCONNECT AND REMOVE PANELBOARD AND ATS. RETAIN BRANCH CIRCUITS FOR REUSE. DISCONNECT AND REMOVE BRANCH CIRCUIT BREAKER.
5. 300 KCMIL IN 1.5" CONDUIT.
6. 1/0 WIRES IN 1.5" CONDUIT.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
EXISTING SINGLE LINE

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	LG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD G. SABRET · 038047 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
ED500

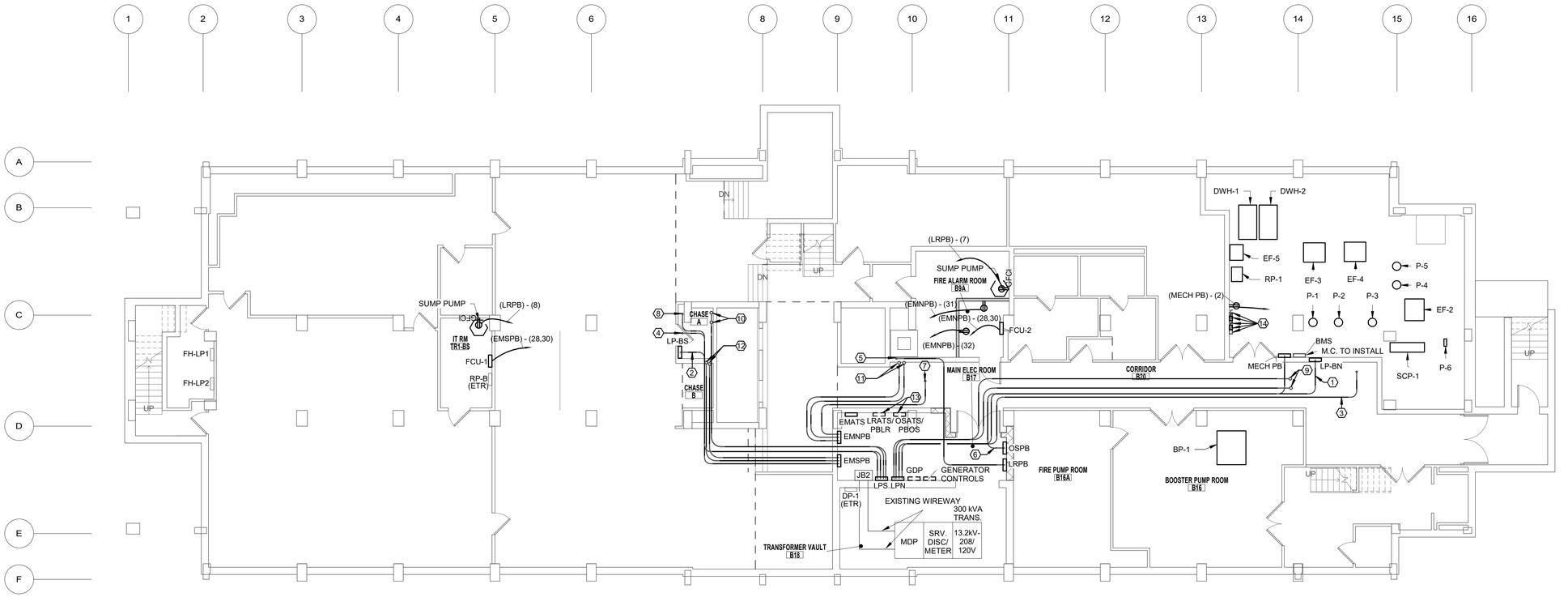
Drawing 102 of 129

GENERAL NOTES:

1. DASHED LINE STYLE INDICATES FUTURE CONSTRUCTION.
2. SEE ELECTRICAL PANEL SCHEDULES AND SHEET E700 FOR ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT.

KEYNOTES

1. ROUTE CONDUIT DIRECTLY TO PANEL LP-BN FOR POWERING OF PANEL.
2. ROUTE CONDUIT DIRECTLY TO PANEL LP-BS FOR POWERING OF PANEL.
3. ROUTE CONDUIT THROUGH CEILING DIRECTLY TO PANEL LP-1N FOR POWERING OF PANEL.
4. ROUTE CONDUIT THROUGH CEILING DIRECTLY TO PANEL LP-1S FOR POWERING OF PANEL.
5. ROUTE CONDUIT THROUGH SHAFT TO PANEL PPEL FOR POWERING OF PANEL.
6. ROUTE CONDUIT TO MECH PB FOR POWERING OF PANEL.
7. ROUTE CONDUIT THROUGH CEILING DIRECTLY TO PANEL EM1N FOR POWERING OF PANEL.
8. ROUTE CONDUIT THROUGH CEILING DIRECTLY TO PANEL EM1S FOR POWERING OF PANEL.
9. ROUTE CONDUITS THROUGH CEILING TO FIRST FLOOR FOR POWERING OF NORTH LP-PANELS ON FLOORS 2-9.
10. ROUTE CONDUITS THROUGH CEILING TO SECOND FLOOR FOR POWERING OF SOUTH LP-PANELS ON FLOORS 2-9.
11. ROUTE CONDUITS THROUGH SHAFT TO SECOND FLOOR FOR POWERING OF NORTH EM-PANELS ON FLOORS 2-9.
12. ROUTE CONDUITS THROUGH CEILING TO SECOND FLOOR FOR POWERING OF NORTH EM-PANELS ON FLOORS 2-9.
13. INSTALL 24"x8" PULL BOXES PBLR AND PBOS IN THESE LOCATIONS.
14. 5 COMBINATION MOTOR CONTROLLER STARTERS - 3 MOUNTED 5' A.F.F AND 2 MOUNTED 3' A.F.F. SEE SHEET E600 FOR CONNECTIONS TO MECHANICAL EQUIPMENT.



1 BASEMENT POWER PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
999 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT POWER PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARREAU · 026042 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E100

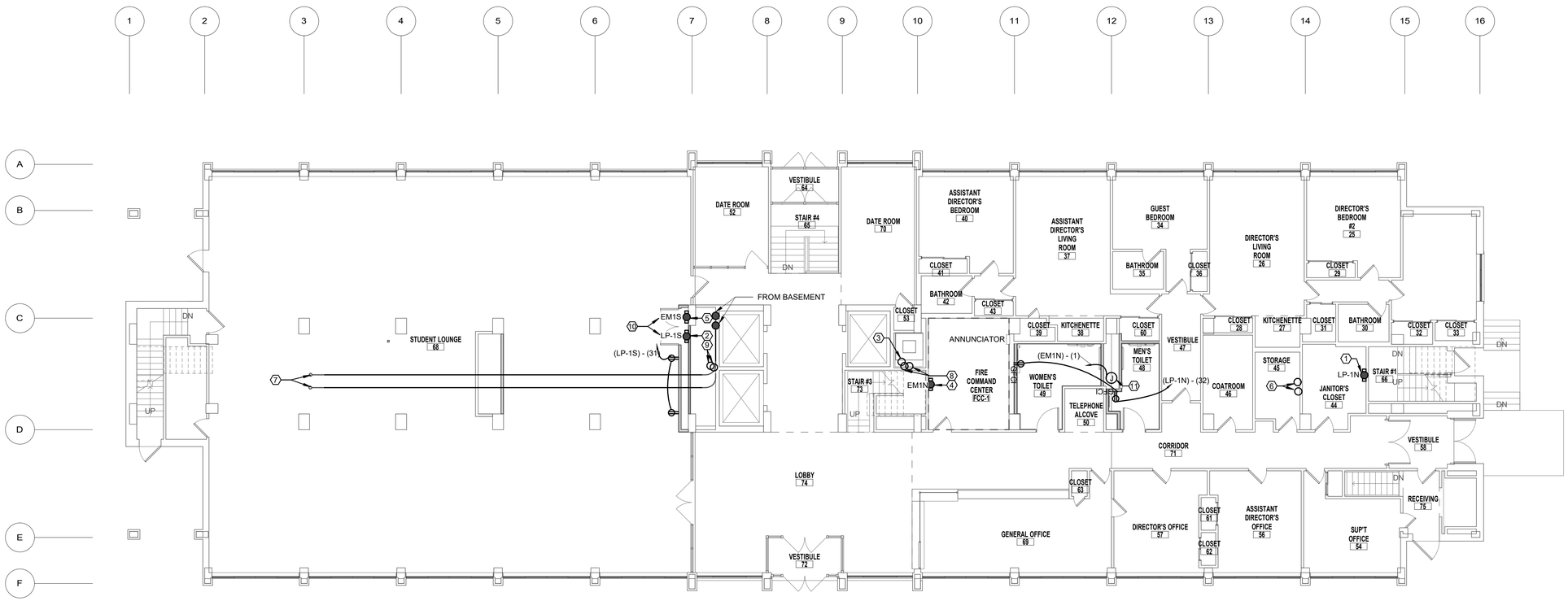
Drawing 103 of 129

GENERAL NOTES:

1. FOR AREAS CONTAINING INACCESSIBLE CEILINGS, USE ELECTRICAL DEVICE BACKBOXES AS NEEDED FOR JUNCTION AND PULLING POINTS.
2. MOUNT ALL GFCI RECEPTACLES LOCATED IN BATHROOMS ABOVE SINKS.

KEYNOTES

1. CONDUIT ROUTED FROM BASEMENT TO PANEL LP-1N FOR POWERING OF PANEL.
2. CONDUIT ROUTED FROM BASEMENT TO PANEL LP-1S FOR POWERING OF PANEL.
3. ROUTE CONDUIT THROUGH SHAFT TO PANEL PPEL FOR POWERING OF PANEL.
4. CONDUIT ROUTED FROM BASEMENT TO PANEL EM1N FOR POWERING OF PANEL.
5. CONDUIT ROUTED FROM BASEMENT TO PANEL EM1S FOR POWERING OF PANEL.
6. ROUTE CONDUITS THROUGH CEILING TO SECOND FLOOR FOR POWERING OF NORTH LP-PANELS ON FLOORS 2-9.
7. ROUTE CONDUITS THROUGH CEILING TO SECOND FLOOR FOR POWERING OF SOUTH LP-PANELS ON FLOORS 2-9.
8. ROUTE CONDUITS THROUGH SHAFT TO SECOND FLOOR FOR POWERING OF NORTH EM-PANELS ON FLOORS 2-9.
9. ROUTE CONDUITS THROUGH CEILING TO SECOND FLOOR FOR POWERING OF NORTH EM-PANELS ON FLOORS 2-9.
10. SUPPORT PANELS FROM FLOOR. DO NOT ATTACH PANELS OR SUPPORT MEMBERS TO WALL OF SHAFT.
11. ACCESS PANEL TO BE INSTALLED AND LAVATORIES/SINKS TO BE CONNECTED BY PLUMBING CONTRACTOR.



1 1ST FLOOR POWER PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
999 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR POWER PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK RICHARD E. GUARRE 038040 LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E101

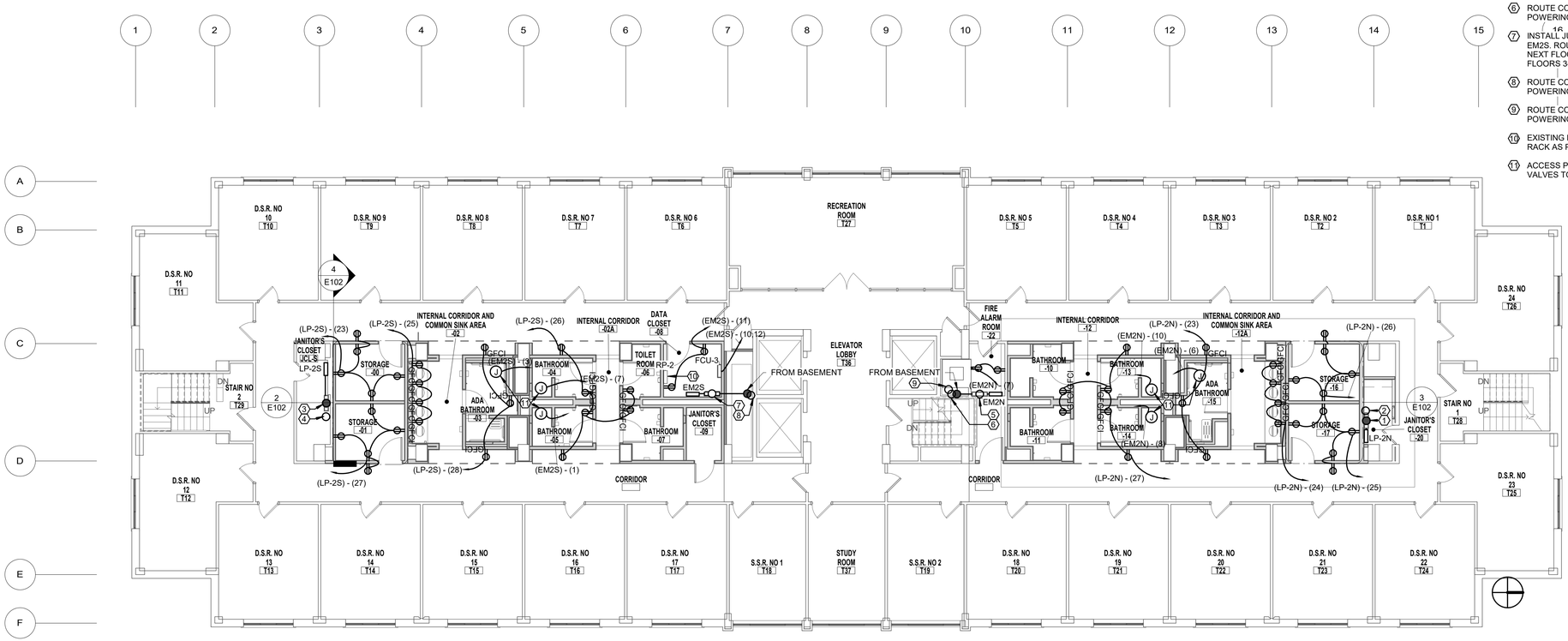
Drawing 104 of 129

GENERAL NOTES:

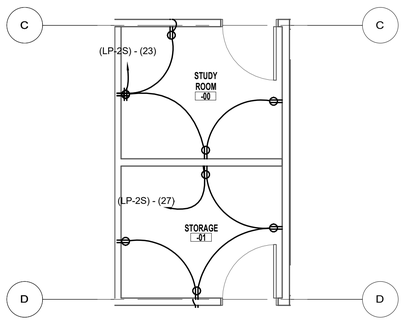
1. FOR AREAS CONTAINING INACCESSIBLE CEILINGS, USE ELECTRICAL DEVICE BACKBOXES AS NEEDED FOR JUNCTION AND PULLING POINTS.
2. MOUNT ALL GFCI RECEPTACLES LOCATED IN BATHROOMS ABOVE SINKS.

KEYNOTES

1. INSTALL JUNCTION BOX TO CREATE CONDUIT PATH TO PANEL LP-2N. ROUTE SEPERATE CONDUIT TO JUNCTION BOX ON NEXT FLOOR FOR POWERING OF NORTH LP-PANELS ON FLOORS 3-5.
2. ROUTE CONDUIT TO JUNCTION BOX ON SIXTH FLOOR FOR POWERING OF NORTH LP-PANELS ON FLOORS 6-9.
3. INSTALL JUNCTION BOX TO CREATE CONDUIT PATH TO PANEL LP-2S. ROUTE SEPERATE CONDUIT TO JUNCTION BOX ON NEXT FLOOR FOR POWERING OF SOUTH LP-PANELS ON FLOORS 3-5.
4. ROUTE CONDUIT TO JUNCTION BOX ON SIXTH FLOOR FOR POWERING OF SOUTH LP-PANELS ON FLOORS 6-9.
5. INSTALL JUNCTION BOX TO CREATE CONDUIT PATH TO PANEL EM2N. ROUTE SEPERATE CONDUIT TO JUNCTION BOX ON NEXT FLOOR FOR POWERING OF NORTH EM-PANELS ON FLOORS 3-5.
6. ROUTE CONDUIT TO JUNCTION BOX ON SIXTH FLOOR FOR POWERING OF NORTH EM-PANELS ON FLOORS 6-9.
7. INSTALL JUNCTION BOX TO CREATE CONDUIT PATH TO PANEL EM2S. ROUTE SEPERATE CONDUIT TO JUNCTION BOX ON NEXT FLOOR FOR POWERING OF SOUTH EM-PANELS ON FLOORS 3-5.
8. ROUTE CONDUIT TO JUNCTION BOX ON SIXTH FLOOR FOR POWERING OF SOUTH EM-PANELS ON FLOORS 6-9.
9. ROUTE CONDUIT THROUGH SHAFT TO PANEL PPEL FOR POWERING OF PANEL.
10. EXISTING PANEL TO BE RELOCATED AND WIRED TO DATA RACK AS PREVIOUS.
11. ACCESS PANEL PROVIDED BY GC AND LAVATORY/SINK VALVES TO BE CONNECTED BY PLUMBING CONTRACTOR.

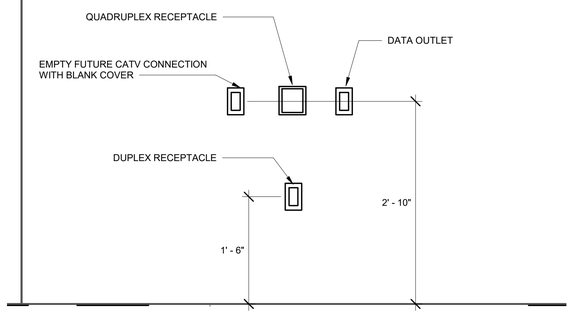


1 2ND FLOOR POWER PLAN
1/8" = 1'-0"

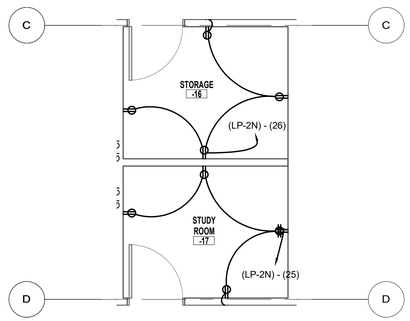


2 SOUTH STUDY ROOM ALTERNATE 1 POWER PLAN
1/4" = 1'-0"

NOTE:
THE ELEVATIONS SHOWN HERE ARE BASED UPON A 30" NOMINAL TABLE HEIGHT.



4 STUDY ROOM ALTERNATE 1 ELEVATION
1" = 1'-0"



3 NORTH STUDY ROOM ALTERNATE 1 POWER PLAN
1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-8 FLOOR POWER PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK RICHARD E. GARRETT 026040 LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E102

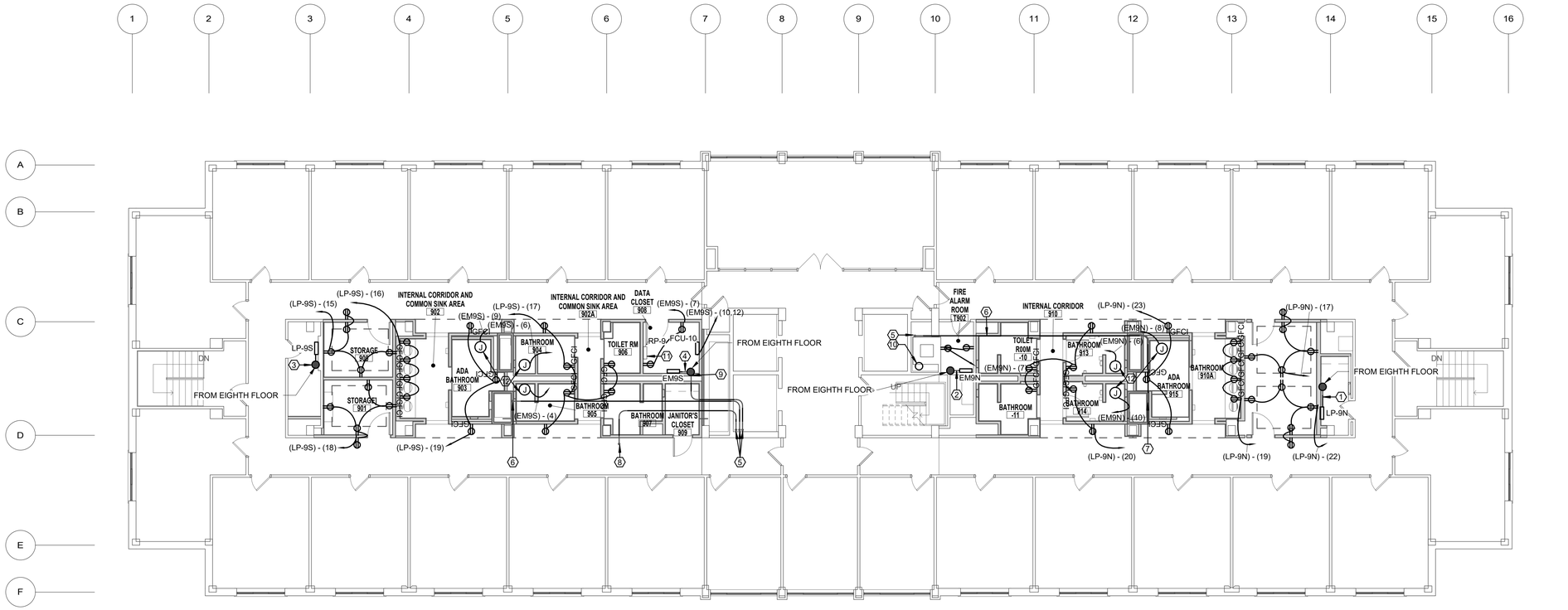
Drawing 105 of 129

GENERAL NOTES:

1. FOR AREAS CONTAINING INACCESSIBLE CEILINGS, USE ELECTRICAL DEVICE BACKBOXES AS NEEDED FOR JUNCTION AND PULLING POINTS.
2. SEE SHEET E102 FOR STUDY ROOM ALTERNATE 1 VIEWS AND ELEVATIONS.
3. MOUNT ALL GFCI RECEPTACLES LOCATED IN BATHROOMS ABOVE SINKS.

KEYNOTES

1. CONDUIT TO BE INSTALLED FOR POWERING OF PANEL LP-9N.
2. CONDUIT TO BE INSTALLED FOR POWERING OF EMERGENCY PANEL EM9N.
3. CONDUIT TO BE INSTALLED FOR POWERING OF PANEL LP-9S.
4. CONDUIT TO BE INSTALLED FOR POWERING OF EMERGENCY PANEL EM9S.
5. RUN CONDUIT DOWN THROUGH CEILING FROM ROOF.
6. ROUTE CONDUIT THROUGH CEILING FOR POWERING OF HRU-1.
7. ROUTE CONDUIT THROUGH CEILING FOR POWERING OF HRU-2.
8. ROUTE CONDUIT THROUGH CEILING FOR POWERING OF CH-1.
9. ROUTE CONDUIT THROUGH CEILING FOR POWERING OF EF-1.
10. ROUTE CONDUIT THROUGH SHAFT TO PANEL PPEL FOR POWERING OF PANEL.
11. EXISTING PANEL TO BE RELOCATED.
12. ACCESS PANEL TO BE INSTALLED AND LAVATORIES/SINKS TO BE CONNECTED BY PLUMBING CONTRACTOR.



1 9TH FLOOR POWER PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
NINTH FLOOR POWER PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · ROBERT E. GARRETT · 086043 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E103

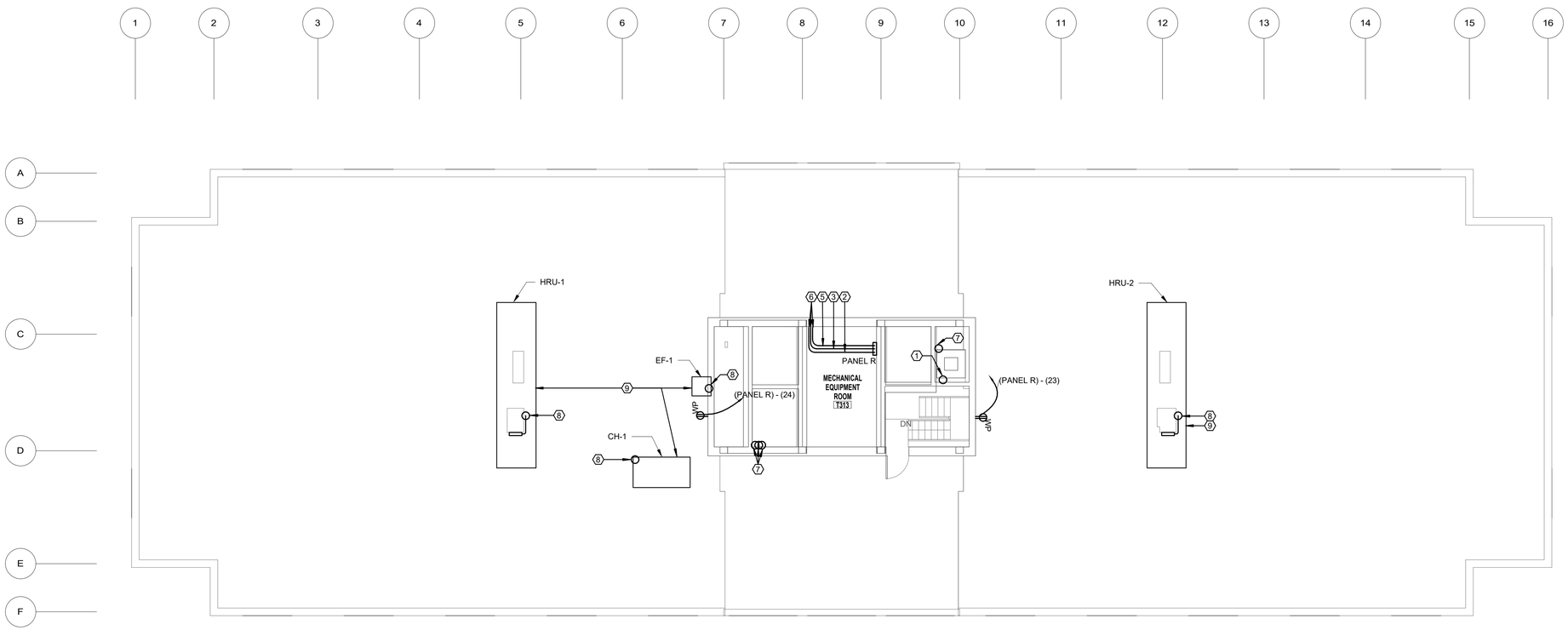
Drawing 106 of 129

GENERAL NOTES:

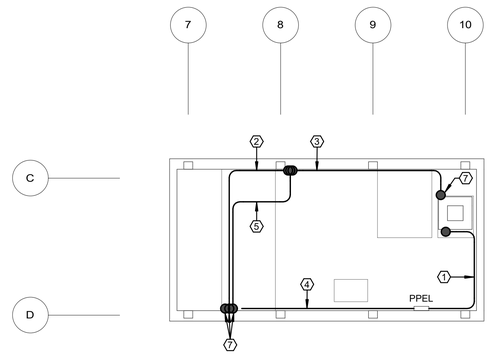
1. FOR AREAS CONTAINING INACCESSIBLE CEILINGS, USE ELECTRICAL DEVICE BACKBOXES AS NEEDED FOR JUNCTION AND PULLING POINTS.

KEYNOTES

1. ROUTE CONDUIT THROUGH SHAFT TO PANEL PPEL FOR POWERING OF PANEL.
2. CONDUIT TO BE INSTALLED FOR POWERING OF HRU-1.
3. CONDUIT TO BE INSTALLED FOR POWERING OF HRU-2.
4. CONDUIT TO BE INSTALLED FOR POWERING OF CH-1.
5. CONDUIT TO BE INSTALLED FOR POWERING OF EF-1.
6. RUN CONDUITS VERTICALLY THROUGH CEILING INTO UPPER FLOOR.
7. RUN CONDUIT VERTICALLY THROUGH FLOOR INTO SHAFT DOWN TO NINTH FLOOR.
8. RUN CONDUIT UP THROUGH INSIDE OF CURB FOR CONNECTION TO EQUIPMENT.
9. CONNECT EXISTING LIGHTNING PROTECTION SYSTEM TO NEW MECHANICAL EQUIPMENT. SEE SHEET ED103 FOR LIGHTNING PROTECTION SYSTEM DEMO.



1 ROOF POWER PLAN
1/8" = 1'-0"



2 UPPER LEVEL MEZZANINE POWER PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ROOF POWER PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 038040 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E104

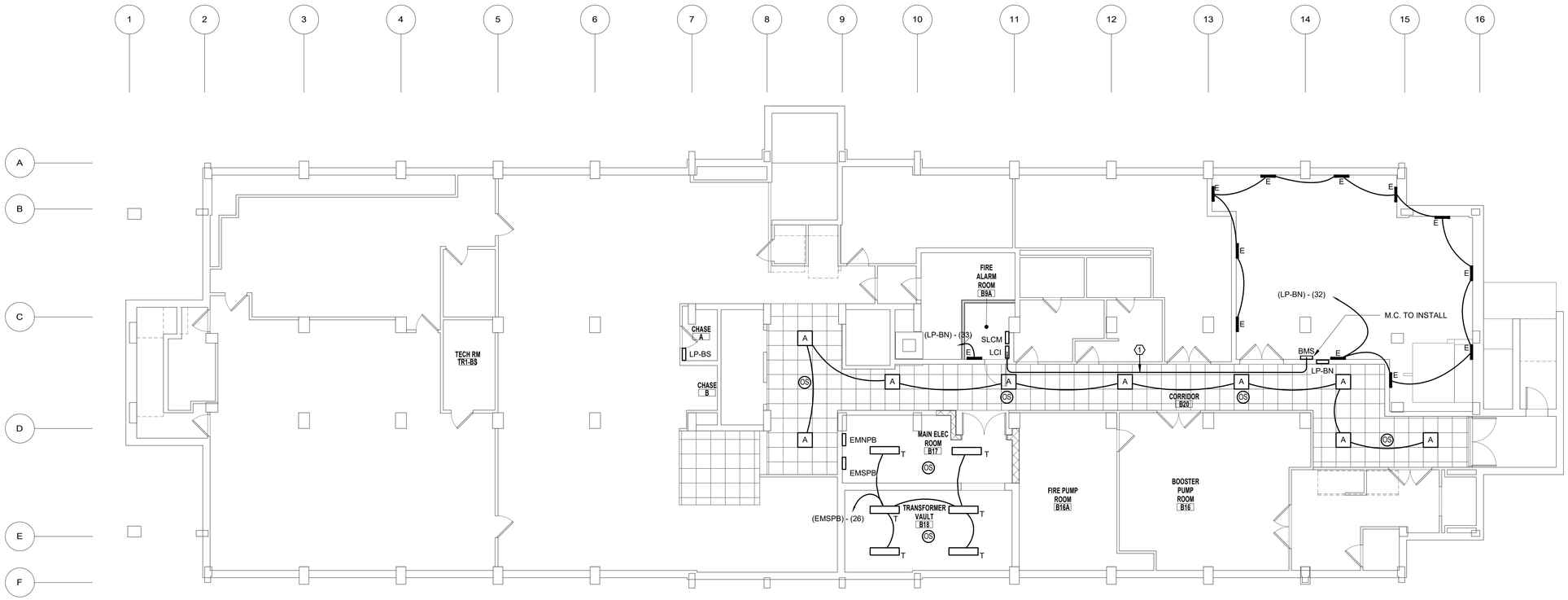
Drawing 107 *of* 129

GENERAL NOTES:

1. SEE SHEETS E501 AND E700 FOR LIGHTING CONTROL SYSTEM WIRING.

KEYNOTES

(1) PROVIDE EMPTY 1" CONDUIT FOR CONNECTION BETWEEN BMS AND LIGHTING CONTROL INTERFACE.



(1) BASEMENT LIGHTING PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT
LIGHTING PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	LG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · LICENSED PROFESSIONAL ENGINEER · 086947

DASNY Project No: 319010-CR12

Drawing Number
E200

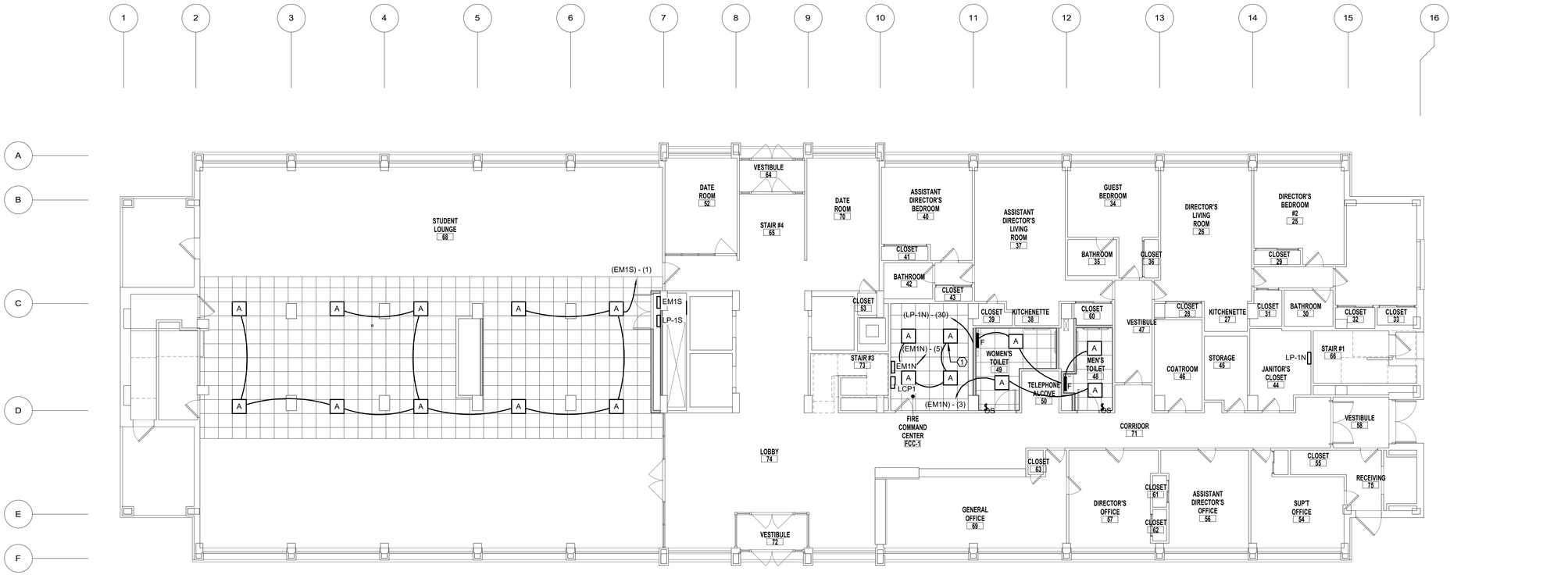
Drawing 108 of 129

GENERAL NOTES:

1. SEE SHEETS E501 AND E700 FOR LIGHTING CONTROL SYSTEM WIRING.

KEYNOTES

(1) REUSUE EXISTING SWITCHING FOR LIGHTS IN FIRE COMMAND CENTER AND STUDENT LOUNGE.



1 1ST FLOOR LIGHTING PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR LIGHTING PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 035604 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
E201

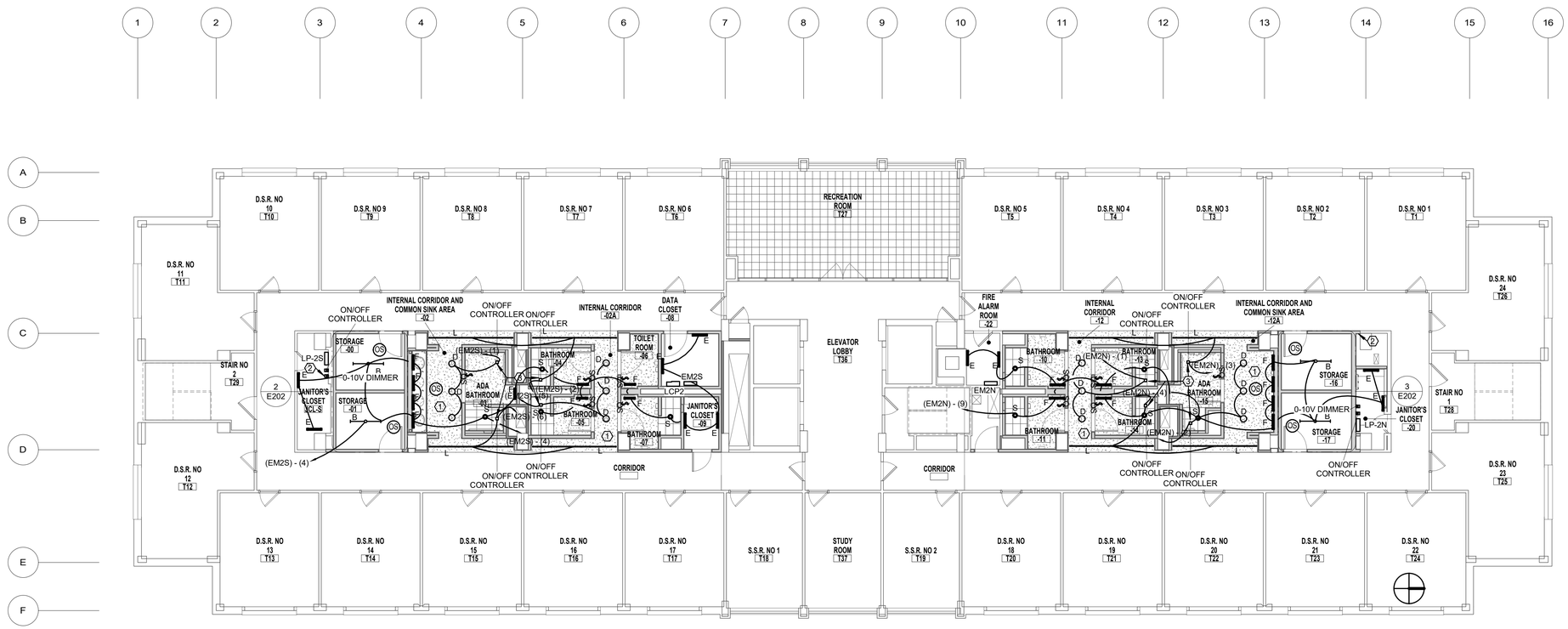
Drawing
109 of 129

GENERAL NOTES:

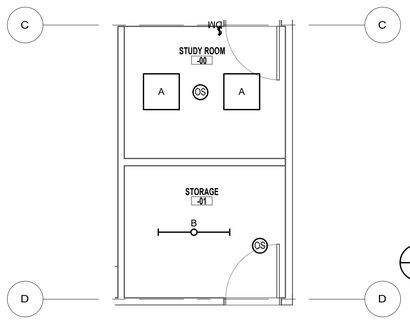
1. TYPE L FIXTURES COME IN LENGTHS OF 6.5'. CONTRACTOR TO CUT SECOND FIXTURE TO LENGTH OF 4.5'.
2. SEE SHEETS E501 AND E700 FOR LIGHTING CONTROL SYSTEM WIRING.

KEYNOTES

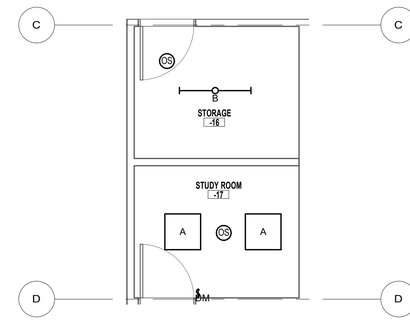
1. INTERNAL CORRIDOR LIGHTS TYPE "D" AND TYPE "L" TO BE ALWAYS ON. LIGHTS TO BE CONTROLLED BY DMX CONTROLLER.
2. 0-10V DIMMER TO BE INSTALLED WITH ALTERNATE 1 DESIGN ONLY.
3. ACCESS PANEL PROVIDED BY GC.



1 TYP. 2-9 LIGHTING PLAN
1/8" = 1'-0"



2 SOUTH STUDY ROOM ALTERNATE LIGHTING PLAN
1/4" = 1'-0"



3 NORTH STUDY ROOM ALTERNATE LIGHTING PLAN
1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-9 FLOOR LIGHTING PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK — RICHARD E. GARBER — LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E202

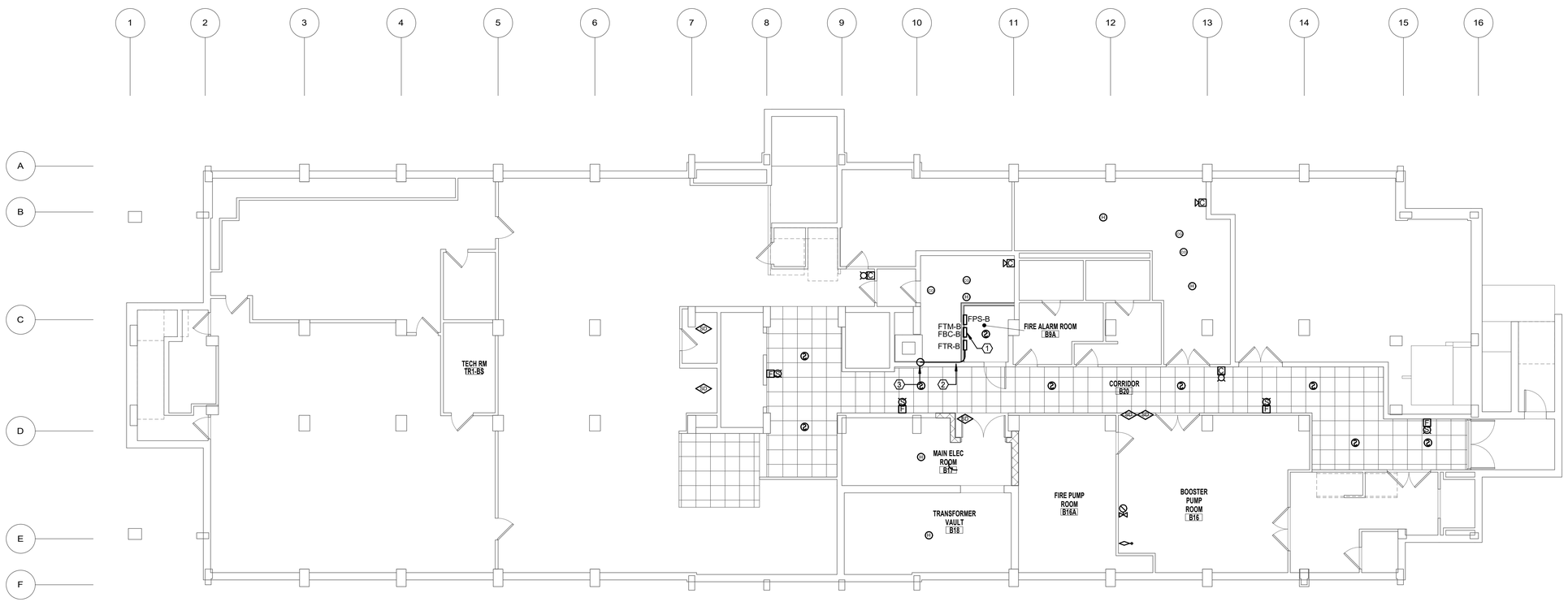
Drawing 110 of 129

GENERAL NOTES:

1. SEE SHEET E620 FOR CONDUIT SIZING.

KEYNOTES

1. BATTERY CABINET TO BE MOUNTED UNDERNEATH FIRE ALARM TERMINAL CABINET.
2. CONDUIT TO BE INSTALLED FOR CONNECTION TO FACP AND FTR-9.
3. RUN CONDUIT VERTICALLY THROUGH SHAFT TO FACP AND FTR-9.



1 BASEMENT FIRE ALARM PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT FIRE ALARM PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK — RICHARD E. GARBARINO — 086043 — LICENSED PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
E300

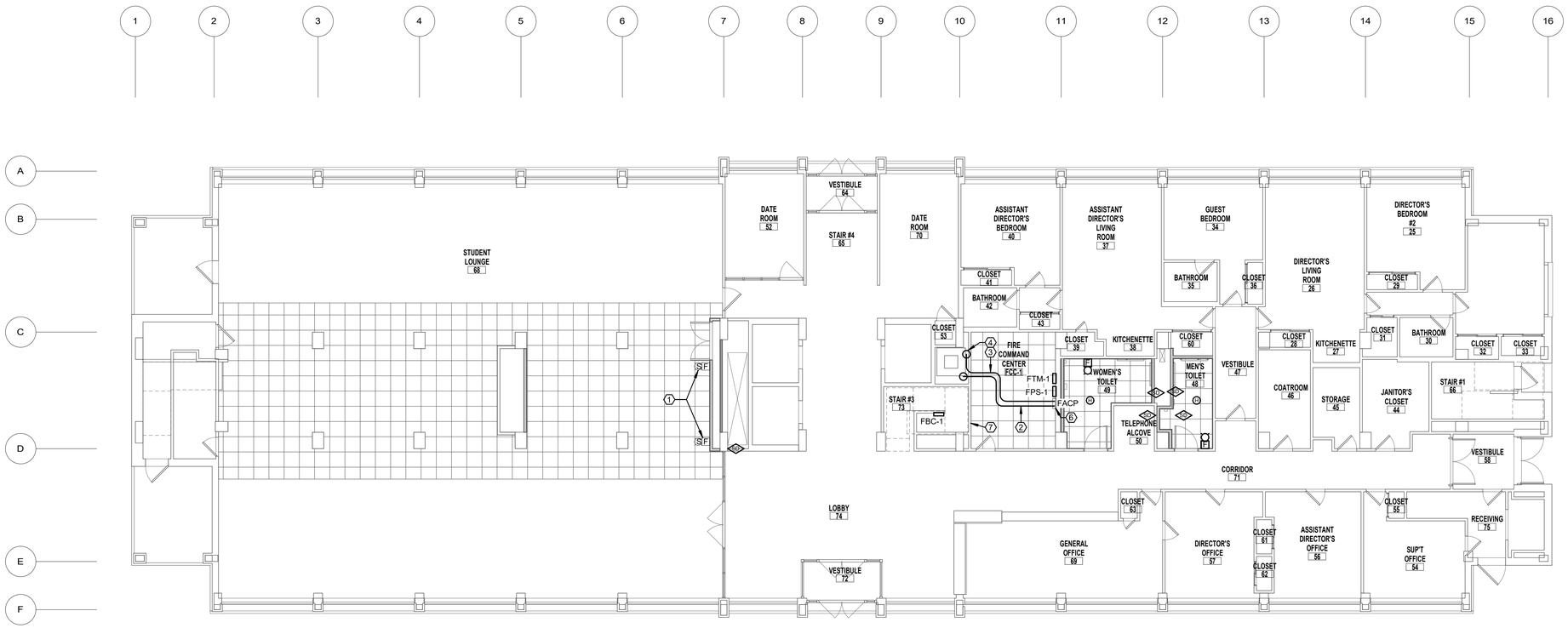
Drawing
111 of 129

GENERAL NOTES:

1. SEE SHEET E620 FOR CONDUIT SIZING.

KEYNOTES

1. REUSE EXISTING SPEAKER STROBE DEVICES. SEE SHEET ED101 FOR REFERENCE.
2. CONDUIT TO BE INSTALLED FOR CONNECTION TO FTR-B.
3. SINGLE CONDUIT TO BE INSTALLED FOR CONNECTION TO FIRE ALARM TRANSPONDER ON EACH FLOOR.
4. RUN CONDUIT VERTICALLY THROUGH CEILING DIRECTLY TO FTR-2.
5. RUN CONDUIT VERTICALLY THROUGH SHAFT DOWN TO BASEMENT.
6. UPGRADE FACP PER CONTRACT SPECIFICATIONS.
7. EXISTING HATCH TO BATTERY CABINET.



1 1ST FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR FIRE ALARM PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK RICHARD E. GUARNERI LICENSED PROFESSIONAL ENGINEER 088040

DASNY Project No: 319010-CR12

Drawing Number
E301

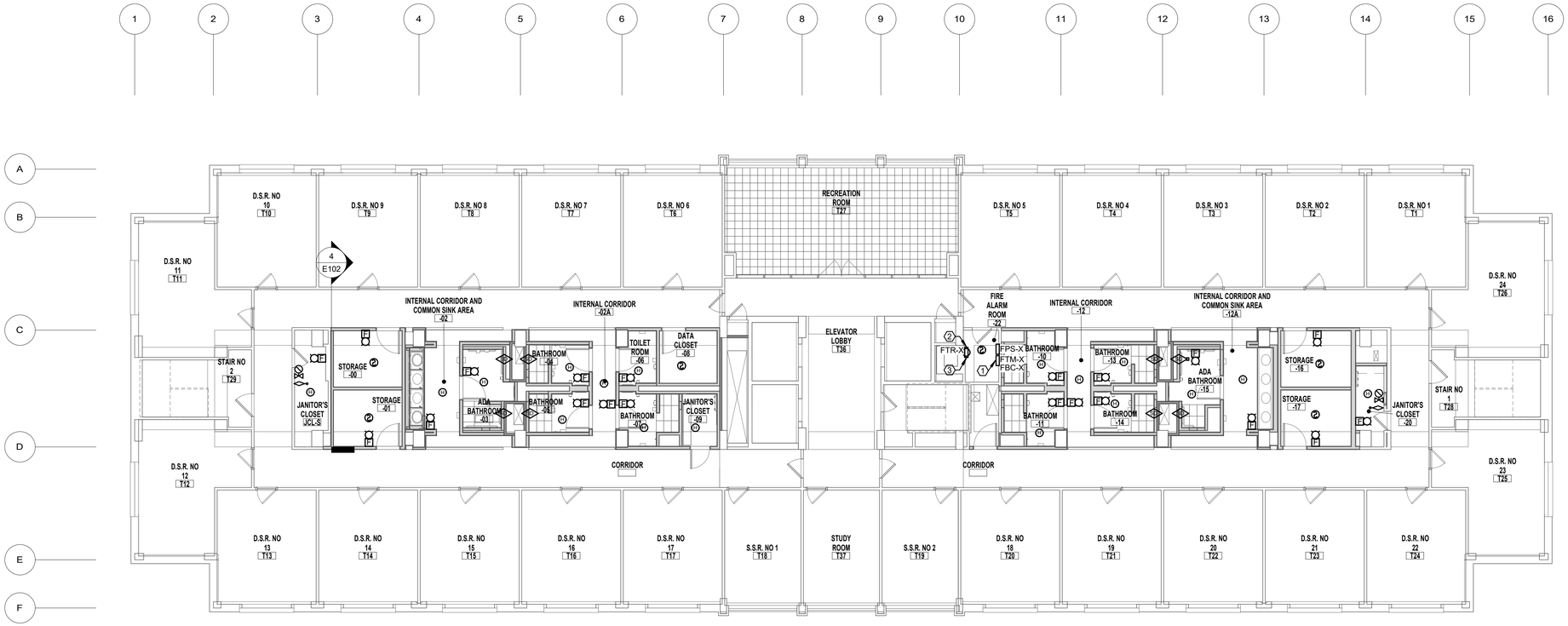
Drawing 112 of 129

GENERAL NOTES:

1. SEE SHEET E620 FOR CONDUIT SIZING.
2. FOR AREAS CONTAINING INACCESSIBLE CEILINGS, USE ELECTRICAL DEVICE BACKBOXES AS NEEDED FOR JUNCTION AND PULLING POINTS.

KEYNOTES

1. BATTERY CABINET TO BE MOUNTED UNDERNEATH FIRE ALARM TERMINAL CABINET.
2. RUN CONDUIT VERTICALLY ALONG WALL THROUGH CEILING DIRECTLY TO NEXT FIRE ALARM TRANSPONDER ON FLOOR ABOVE.
3. RUN CONDUIT VERTICALLY ALONG WALL THROUGH FLOOR DIRECTLY TO NEXT FIRE ALARM TRANSPONDER ON FLOOR BELOW.



1 2ND FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-8 FLOOR FIRE ALARM PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 038947 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E302

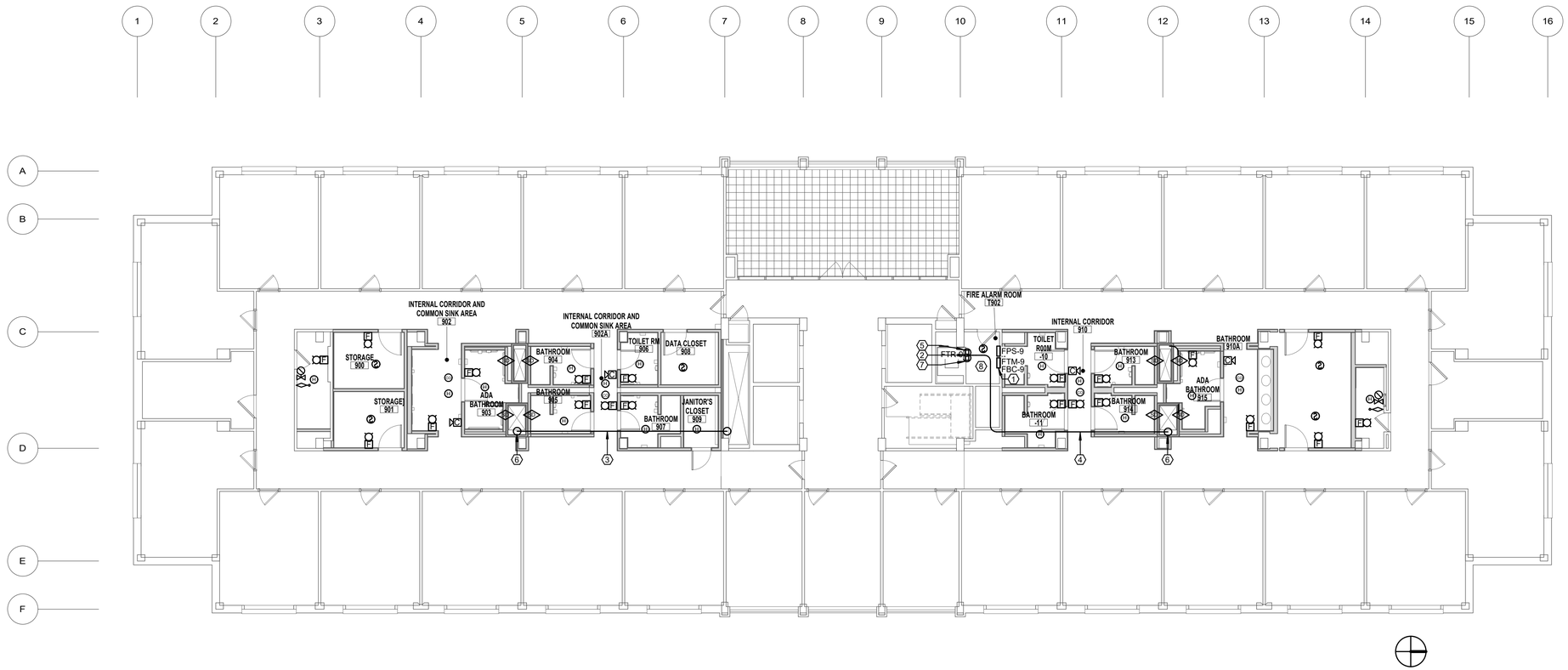
Drawing 113 of 129

GENERAL NOTES:

1. SEE SHEET E620 FOR CONDUIT SIZING.
2. FOR AREAS CONTAINING INACCESSIBLE CEILINGS, USE ELECTRICAL DEVICE BACKBOXES AS NEEDED FOR JUNCTION AND PULLING POINTS.

KEYNOTES

1. BATTERY CABINET TO BE MOUNTED UNDERNEATH FIRE ALARM TERMINAL CABINET.
2. CONDUIT TO BE INSTALLED FOR CONNECTION TO FTR-B AND FACP.
3. CONDUIT TO BE INSTALLED FOR CONNECTION TO HRU-1 DUCT DETECTOR AND EXHAUST MODE CONTROL.
4. CONDUIT TO BE INSTALLED FOR CONNECTION TO HRU-2 DUCT DETECTOR AND EXHAUST MODE CONTROL.
5. RUN CONDUIT VERTICALLY ALONG WALL THROUGH CEILING FOR CONNECTION TO FTM-R.
6. RUN CONDUIT VERTICALLY THROUGH CURBING FOR CONNECTION TO DUCT DETECTOR PROVIDED WITH HRU AND EXHAUST MODE CONTROL.
7. RUN CONDUIT VERTICALLY THROUGH CEILING FOR CONNECTION TO DUCT DETECTOR PROVIDED WITH HRU AND EXHAUST MODE CONTROL..
8. PLACE ADDRESSABLE INTERFACE MODULES IN FIRE ALARM ROOM FOR CONNECTION TO FTR-9.



1 9TH FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
NINTH FLOOR FIRE ALARM PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK RICHARD E. GARRETT 088040 LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E303

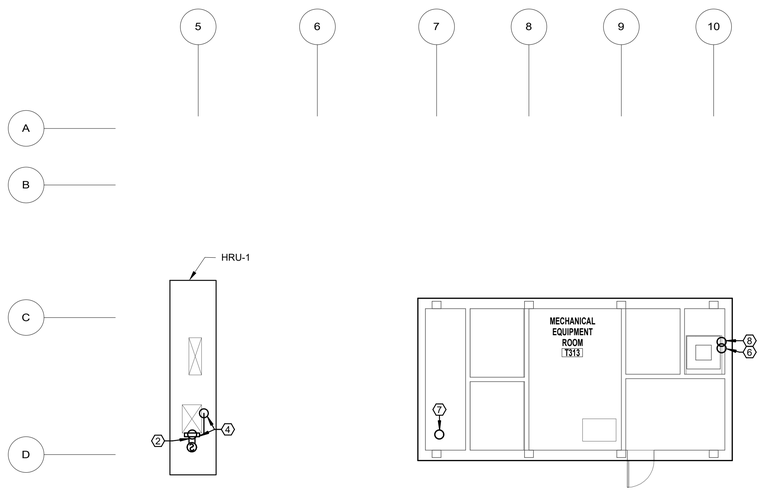
Drawing 114 of 129

GENERAL NOTES:

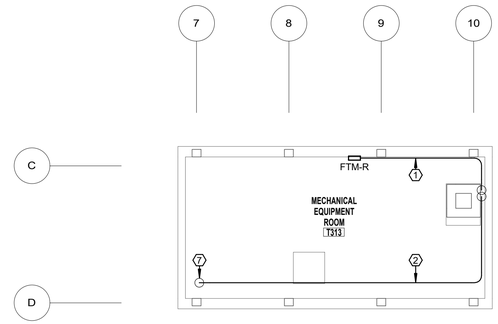
1. SEE SHEET E620 FOR CONDUIT SIZING.

KEYNOTES

1. CONDUIT TO BE INSTALLED FOR CONNECTION TO FTR-9.
2. CONDUIT TO BE INSTALLED FOR CONNECTION TO HRU-1 DUCT DETECTOR.
3. CONDUIT TO BE INSTALLED FOR CONNECTION TO HRU-2 DUCT DETECTOR.
4. JUNCTION BOX AND CONDUIT TO BE INSTALLED FOR CONNECTION TO HRU-1 EXHAUST MODE CONTROL.
5. JUNCTION BOX AND CONDUIT TO BE INSTALLED FOR CONNECTION TO HRU-2 EXHAUST MODE CONTROL.
6. CONDUIT TO BE ROUTED UP THROUGH FLOOR FLOOR TO MACHINE ROOM FOR CONNECTION TO HRU-1 DUCT DETECTOR AND EXHAUST MODE CONTROL.
7. CONDUIT TO BE ROUTED DOWN THROUGH FLOOR TO NINTH FLOOR FOR CONNECTION TO HRU-1 DUCT DETECTOR AND EXHAUST MODE CONTROL.
7. CONDUIT TO BE ROUTED UP THROUGH FLOOR TO MACHINE ROOM FOR CONNECTION TO FTM-R.



1 LOWER LEVEL MEZZANINE FIRE ALARM PLAN
1/8" = 1'-0"



2 UPPER LEVEL MEZZANINE FIRE ALARM PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ROOF FIRE ALARM PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARNETT · 058045 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E304

Drawing 115 of 129

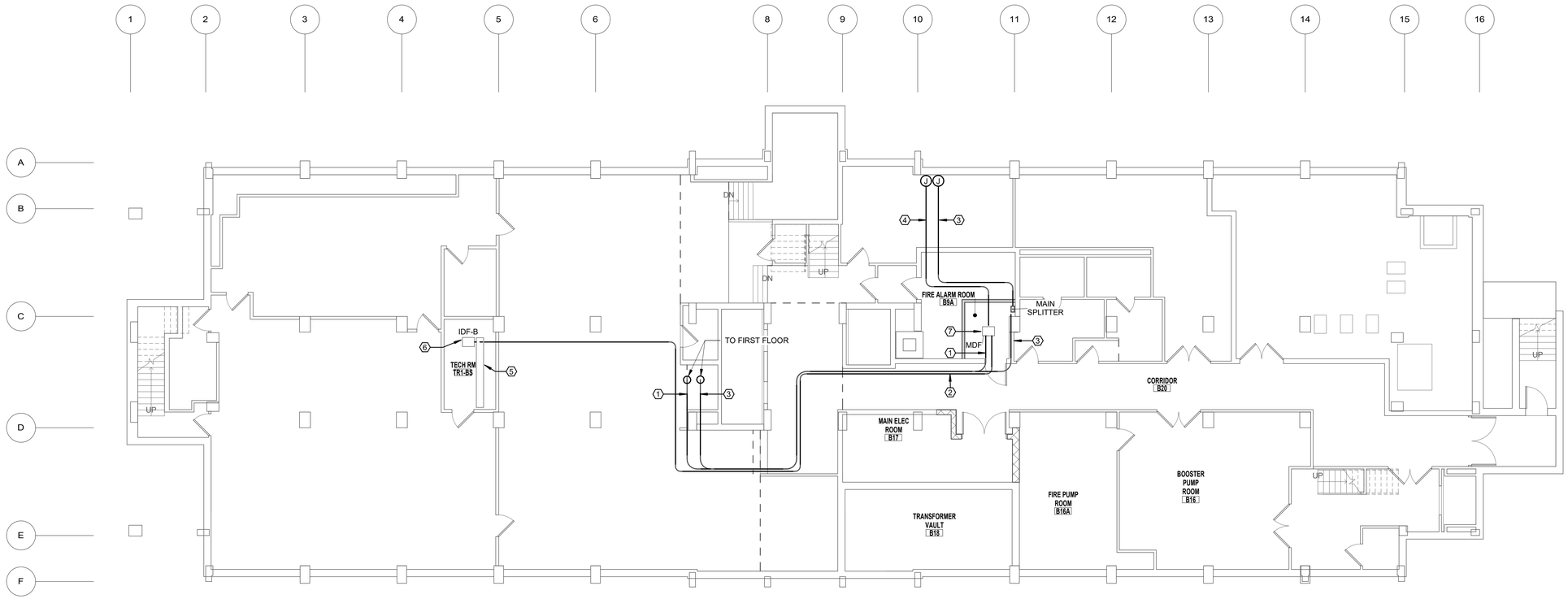
GENERAL NOTES:

1. SEE SHEET E621 FOR CONDUIT SIZING.

2. ALL OPTICAL FIBER CABLES TO BE TESTED NAND RELABELED,

KEYNOTES

1. NEW CONDUIT PATH TO BE USED FOR FIBER OPTIC CONNECTION TO UPPER FLOORS
2. NEW CONDUIT PATH TO BE USED FOR BASEMENT FIBER OPTIC CONNECTION.
3. NEW CONDUIT PATH TO BE USED FOR FUTURE CABLE TV CABLES.
4. NEW CONDUIT PATH FOR INCOMING FIBER OPTIC CONNECTION. REROUTE FROM MAIN ELECTRIC ROOM.
5. REUSE EXISTING LADDER CABLE TRAY TO PROVIDE PATH FOR DATA CABLES.
6. REUSE EXISTING DATA RACKS FROM DEMO FOR REINSTALLATION OF EQUIPMENT BY SUNY OSWEGO PERSONNEL.



1 BASEMENT SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
BASEMENT SPECIAL SYSTEMS PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature
STATE OF NEW YORK RICHARD E. GARRETT LICENSED PROFESSIONAL ENGINEER 036043

DASNY Project No: 319010-CR12

Drawing Number
E400

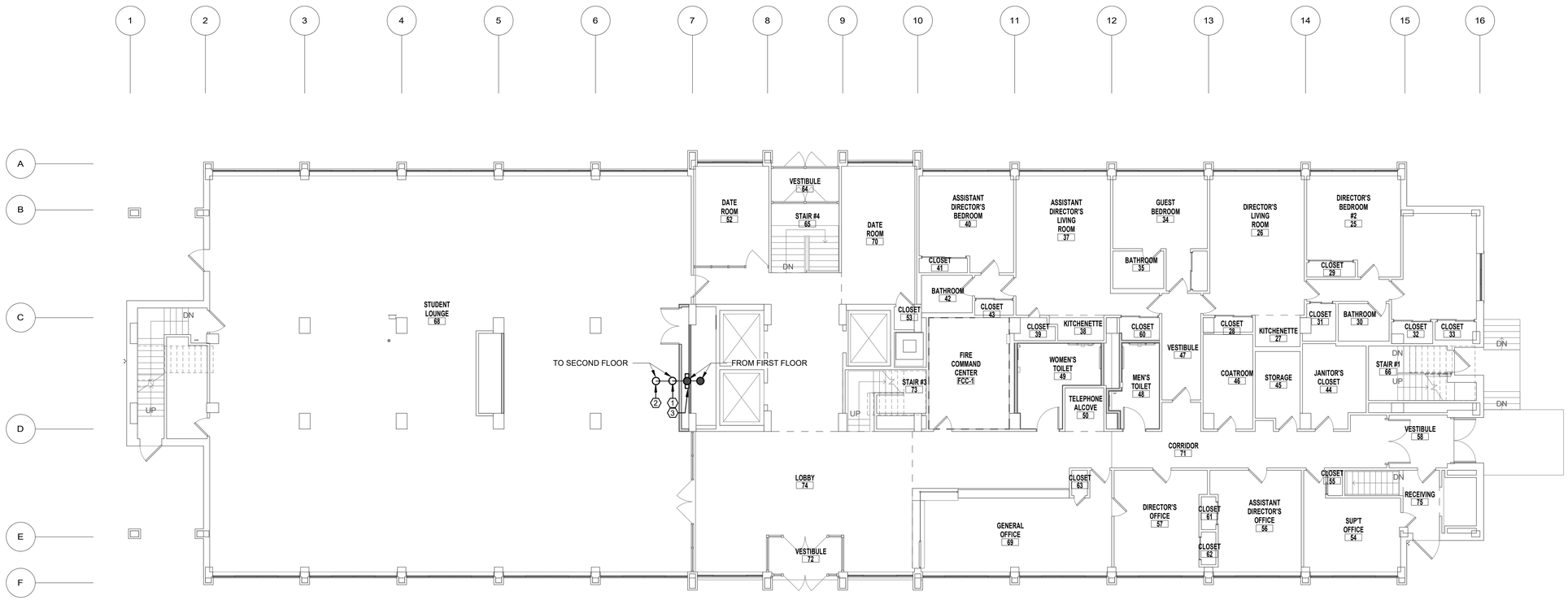
Drawing 116 of 129

GENERAL NOTES:

1. SEE SHEET E621 FOR CONDUIT SIZING.

KEYNOTES

1. NEW CONDUIT PATH TO BE USED FOR FIBER OPTIC CONNECTION.
2. NEW CONDUIT PATH TO BE USED FOR FUTURE CABLE TV CABLES.
3. INSTALL EMPTY JUNCTION BOX FOR FUTURE CABLE TV INSTALLATION.



1 1ST FLOOR SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRST FLOOR SPECIAL SYSTEMS PLAN

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 058045 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E401

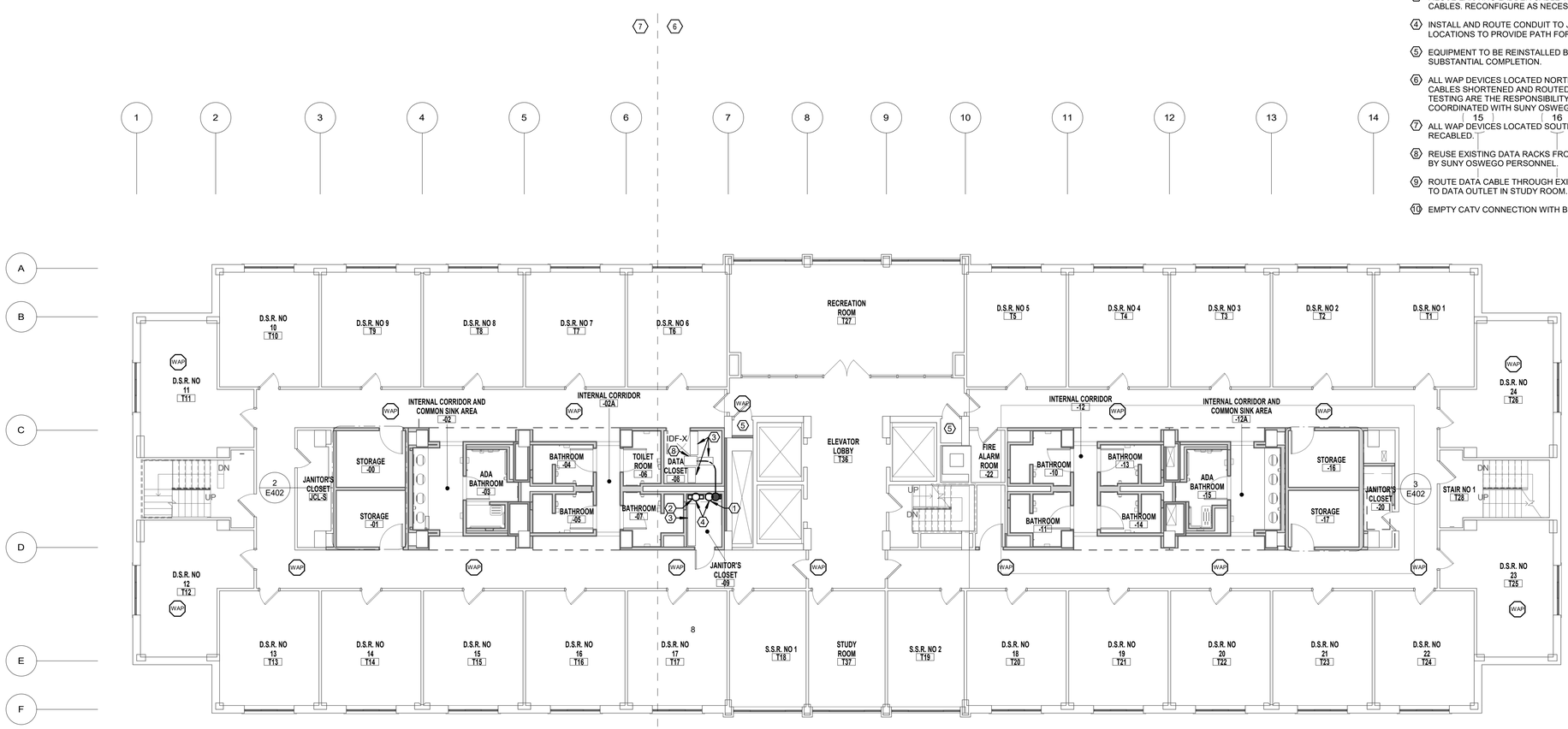
Drawing 117 of 129

GENERAL NOTES:

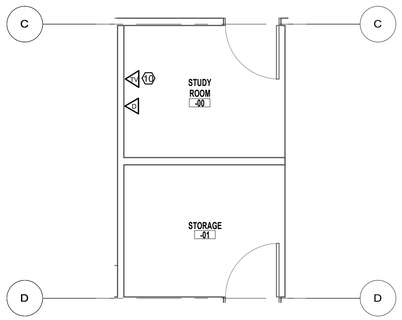
1. SEE SHEET E621 FOR CONDUIT SIZING.
2. ALL OPTICAL FIBER CABLES TO BE TESTED AND RELABELED.

KEYNOTES

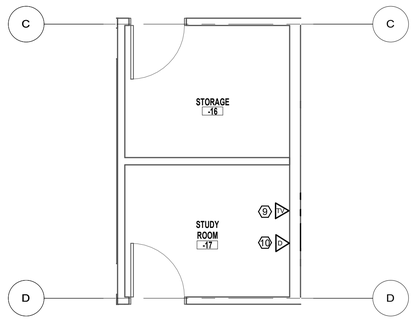
1. NEW CONDUIT PATH TO BE USED FOR FIBER OPTIC CONNECTION.
2. NEW CONDUIT PATH TO BE USED FOR FUTURE CABLE TV CABLES.
3. REUSE EXISTING LADDER CABLE TRAY FROM DEMO TO PROVIDE PATH FOR DATA CABLES. RECONFIGURE AS NECESSARY.
4. INSTALL AND ROUTE CONDUIT TO JUNCTION BOXES ON FLOORS 2-9 AT THESE LOCATIONS TO PROVIDE PATH FOR FIBER OPTIC AND TV CABLE CONNECTION.
5. EQUIPMENT TO BE REINSTALLED BY SUNY OSWEGO PERSONNEL AFTER SUBSTANTIAL COMPLETION.
6. ALL WAP DEVICES LOCATED NORTH OF THE DASHED LINE SHOWN ARE TO HAVE CABLES SHORTENED AND ROUTED TO NEW DATA ROOM. ALL TERMINALS AND TESTING ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE COORDINATED WITH SUNY OSWEGO PERSONNEL.
7. ALL WAP DEVICES LOCATED SOUTH OF THE DASHED LINE SHOWN ARE TO BE RECABLED.
8. REUSE EXISTING DATA RACKS FROM DEMO FOR REINSTALLATION OF EQUIPMENT BY SUNY OSWEGO PERSONNEL.
9. ROUTE DATA CABLE THROUGH EXISTING RACEWAY IN HALLWAY FOR CONNECTION TO DATA OUTLET IN STUDY ROOM.
10. EMPTY CATV CONNECTION WITH BLANK COVER.



1 2ND FLOOR SPECIAL SYSTEMS PLAN
1/8" = 1'-0"



2 SOUTH STUDY ROOM ALTERNATE SPECIAL SYSTEMS PLAN
1/4" = 1'-0"



3 NORTH STUDY ROOM ALTERNATE SPECIAL SYSTEMS PLAN
1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
TYP 2-9 FLOOR SPECIAL SYSTEMS PLAN

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

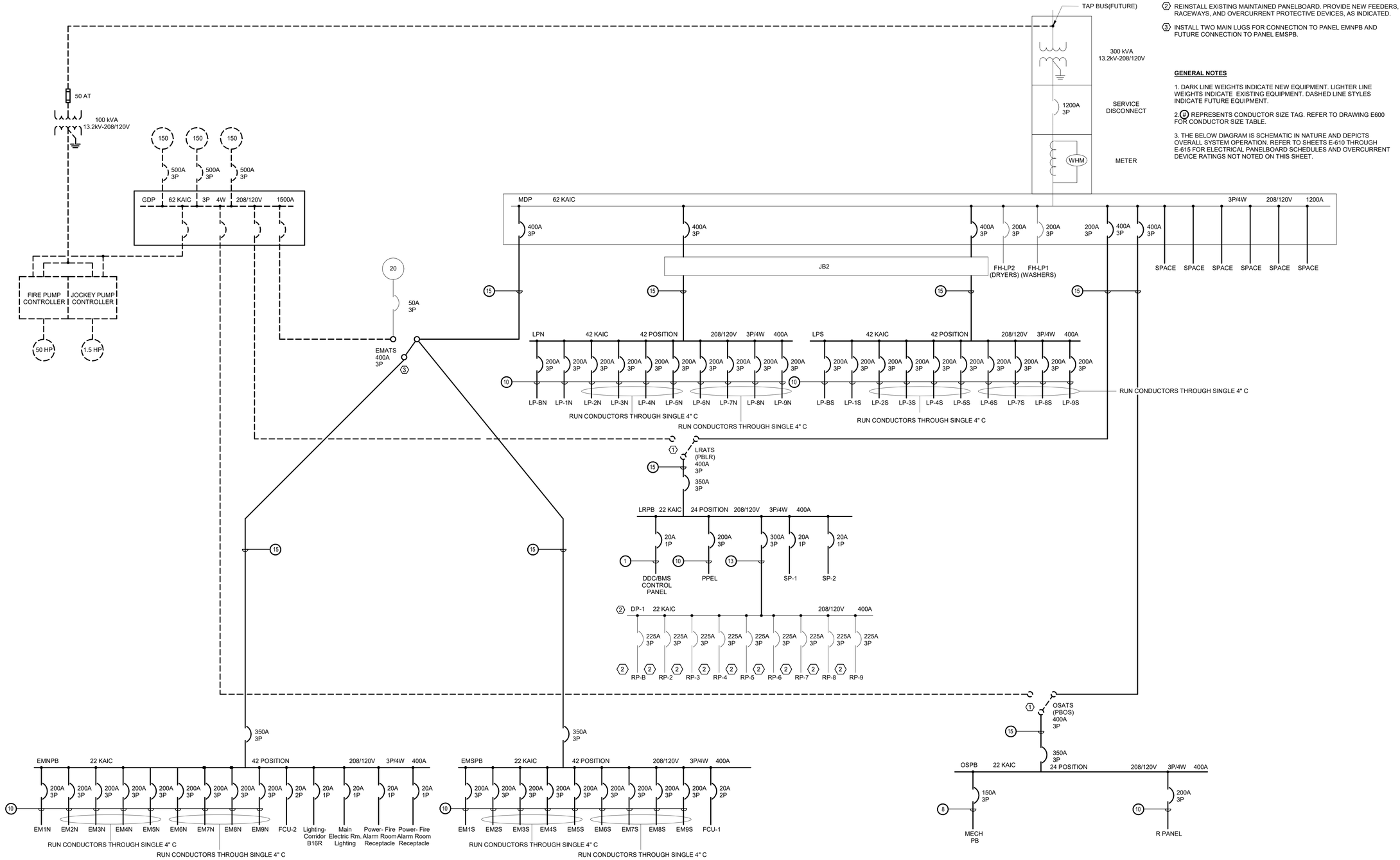
Seal & Signature

STATE OF NEW YORK — RICHARD E. GARRETT — 088040 — PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E402

Drawing 118 of 129



1 NEW SINGLE LINE
12" = 1'-0"

KEYNOTES

1. MAKE CONNECTION BEWEEN CONDUCTORS IN PULLBOXES PBLR AND PBOS. ATS SYSTEM TO BE INSTALLED IN FUTURE CONSTRUCTION PHASE.
2. REINSTALL EXISTING MAINTAINED PANELBOARD. PROVIDE NEW FEEDERS, RACEWAYS, AND OVERCURRENT PROTECTIVE DEVICES, AS INDICATED.
3. INSTALL TWO MAIN LUGS FOR CONNECTION TO PANEL EMNPB AND FUTURE CONNECTION TO PANEL EMSPB.

GENERAL NOTES

1. DARK LINE WEIGHTS INDICATE NEW EQUIPMENT. LIGHTER LINE WEIGHTS INDICATE EXISTING EQUIPMENT. DASHED LINE STYLES INDICATE FUTURE EQUIPMENT.
2. (#) REPRESENTS CONDUCTOR SIZE TAG. REFER TO DRAWING E600 FOR CONDUCTOR SIZE TABLE.
3. THE BELOW DIAGRAM IS SCHEMATIC IN NATURE AND DEPICTS OVERALL SYSTEM OPERATION. REFER TO SHEETS E-610 THROUGH E-615 FOR ELECTRICAL PANELBOARD SCHEDULES AND OVERCURRENT DEVICE RATINGS NOT NOTED ON THIS SHEET.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

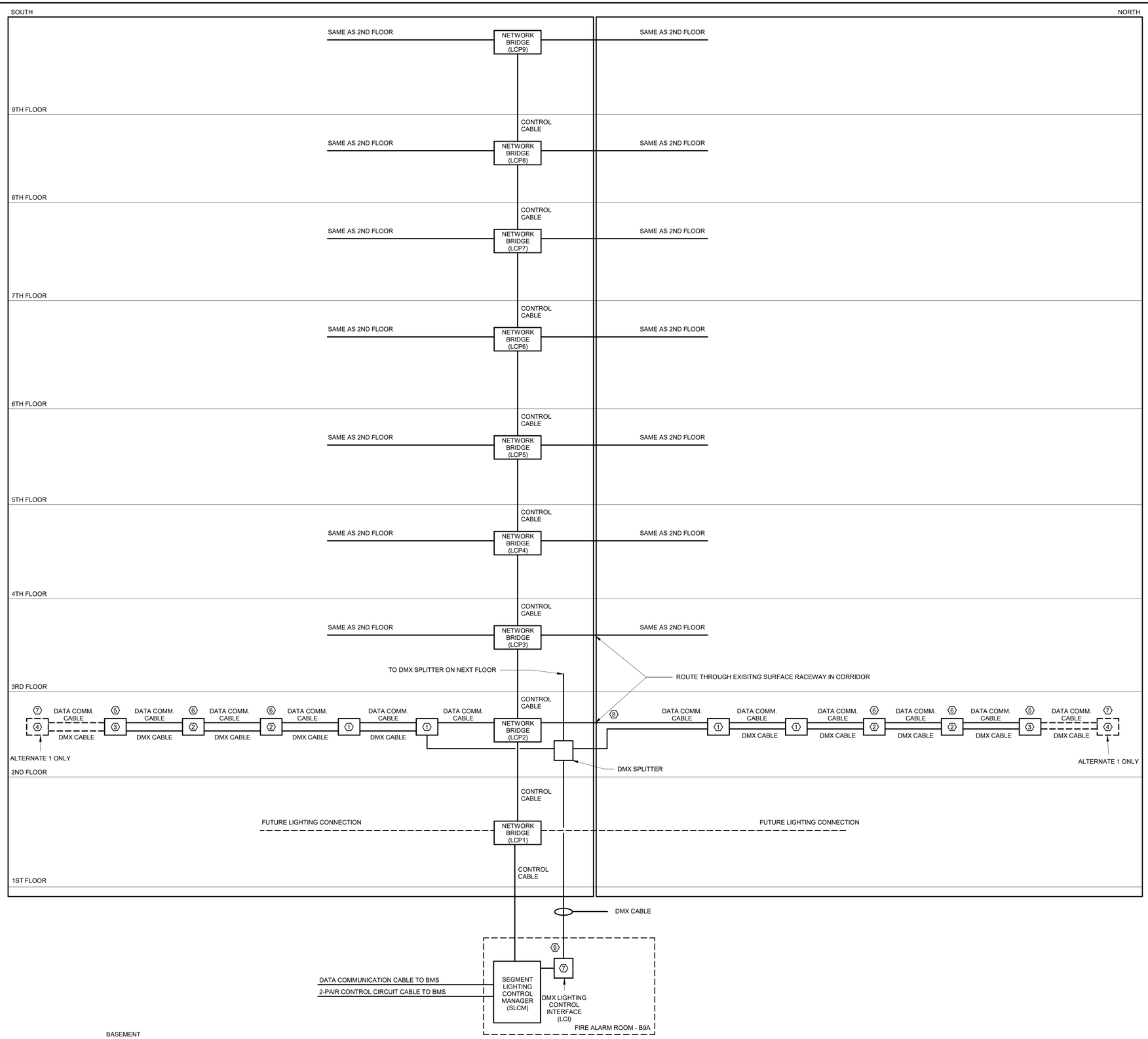
Drawing Title
NEW SINGLE LINE

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	LG	12-14-2018

Seal & Signature
STATE OF NEW YORK · RODNEY E. GARRETT · 038945 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number E500
Drawing 119 of 129



1 LIGHTING CONTROLS WIRING DIAGRAM
12" = 1'-0"

KEYNOTES:

1. SEE TYPE D LIGHTING FIXTURE DETAIL ON SHEET E700.
2. SEE TYPE L LIGHTING FIXTURE DETAIL ON SHEET E700.
3. SEE EXISTING CORRIDOR LIGHTING FIXTURE DETAIL ON SHEET E700.
4. SEE TYPE A LIGHTING FIXTURE DETAIL ON SHEET E700.
5. INTERFACE EXISTING CORRIDOR LIGHTING WITH POWER AS SHOWN ON FLOOR PLANS AND PANEL SCHEDULES.
6. PROVIDE DMX CONTROLLER FOR EVERY 17 FEET OF RGBW TAPE. DMX CONTROLLER INCLUDES RGB SUB-CONTROLLER AND POWER SUPPLY.
7. TYPE A LIGHTING FIXTURE LIGHTING CONTROL ONLY NECESSARY FOR ALTERNATE 1 STUDY ROOM PLAN. SEE SHEET E202.
8. DATA COMMUNICATION CABLE AS INDICATED BY PER MANUFACTURER REQUIREMENTS AND APPROVED BY ENGINEER.
9. RUN A DMX CABLE FROM LIGHTING CONTROL INTERFACE TO NORTH AND SOUTH ENDS OF EACH FLOOR FOR CONNECTION TO LIGHTS.

GENERAL NOTES:

1. SEE LIGHTING DRAWINGS FOR ELECTRICAL CIRCUITING OF LIGHTING.
2. LOCATE MASTER DMX CONTROLLER INTERFACE NEAR DUPLEX RECEPTACLE FOR PLUG IN POWER SUPPLY.
3. DMX LIGHTING CONTROLS CONFIGURATION MAY DIFFER SLIGHTLY BASED ON FIXTURE TYPES AND MANUFACTURER.

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
LIGHTING CONTROL RISER

Phase
100% SUBMISSION

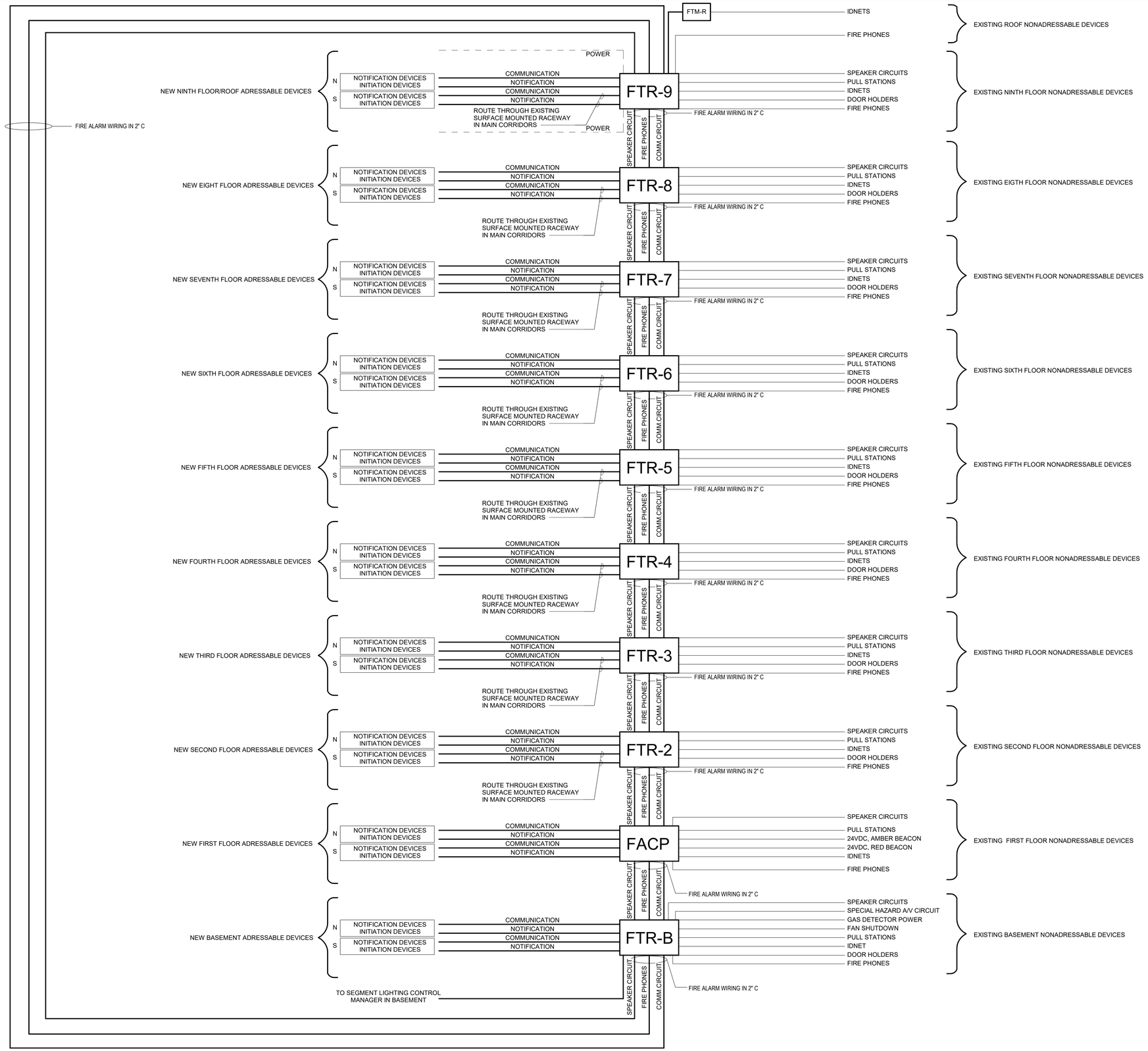
Drawn By:	Checked By:	Date:
LG	LG	12-14-2018

Seal & Signature
STATE OF NEW YORK · RONALD E. GARRETT · 038947 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E501

Drawing 120 of 129



1 FIRE ALARM RISER
12" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
FIRE ALARM RISER

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARRETT · 036940 · LICENSED PROFESSIONAL ENGINEER

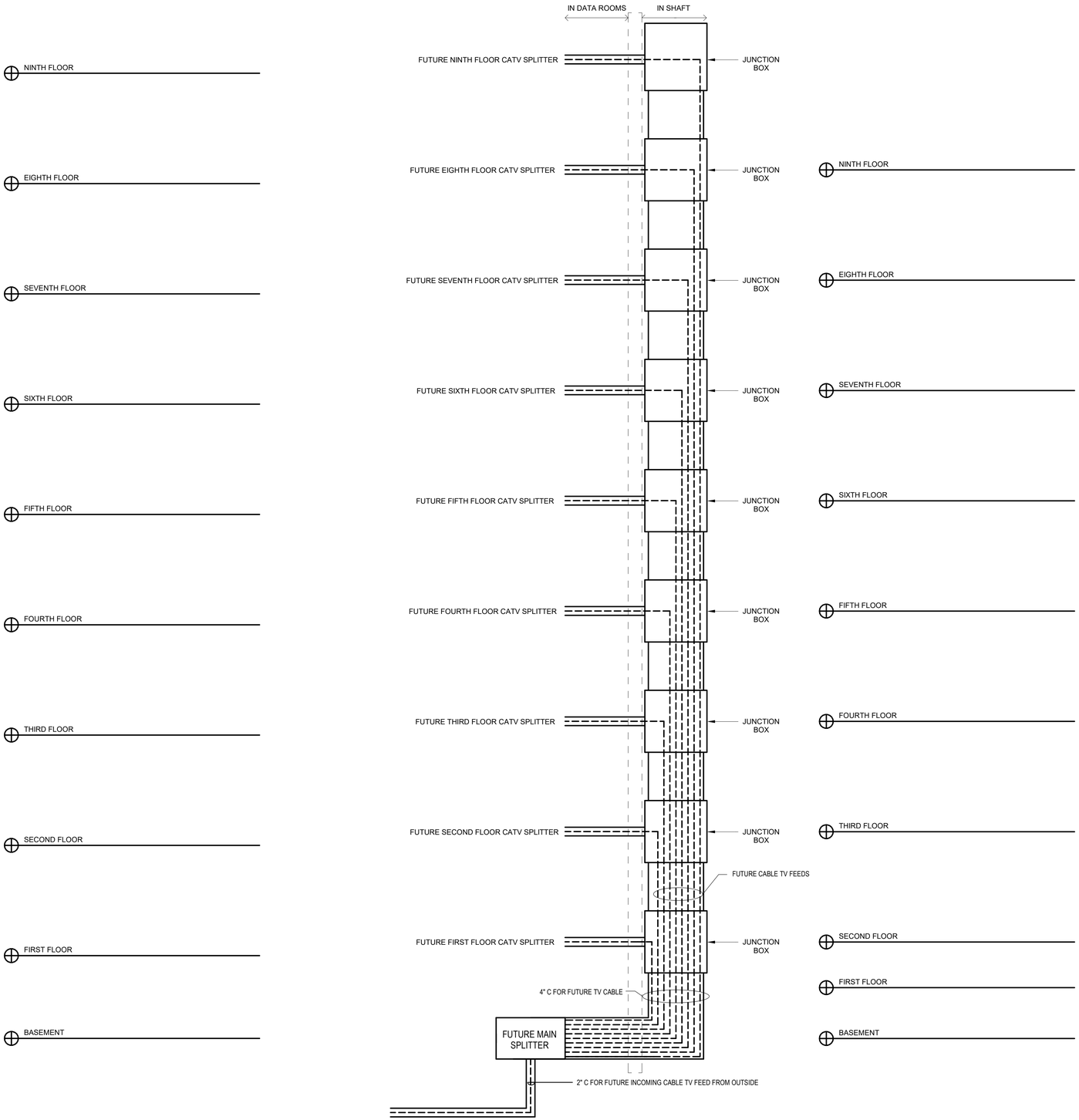
DASNY Project No: 319010-CR12

Drawing Number E502

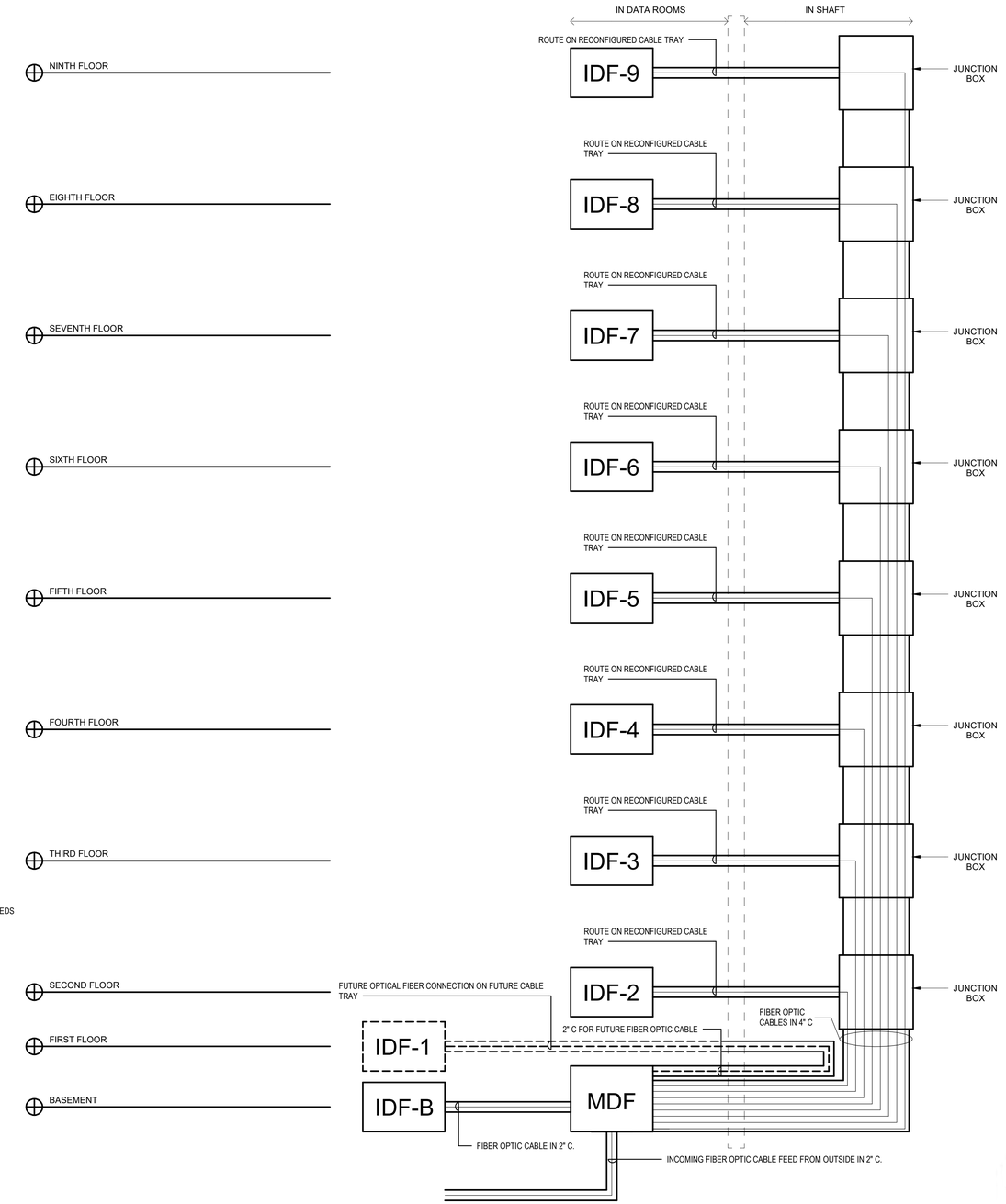
Drawing 121 of 129

GENERAL NOTES:

1. BOLD DASHED LINE STYLE INDICATES FUTURE CONSTRUCTION.
2. ALL COMPONENTS ON MDF AND IDF'S TO BE INSTALLED BY SUNY OSWEGO PERSONNEL.
3. LEAVE 10' EXCESS OF FIBER OPTIC CABLE FOR CONNECTIONS TO IDF'S AND MDF BY SUNY OSWEGO PERSONNEL.



2 CABLE TV RISER DIAGRAM
12" = 1'-0"



1 FIBER OPTIC CABLE RISER
12" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
SPECIAL SYSTEMS RISER

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature
STATE OF NEW YORK RICHARD E. GUARNERI 038047 LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number
E503

Drawing 122 of 129

LUMINAIRE SCHEDULE

		BASIS OF DESIGN						
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS & WATTAGE	VOLTAGE	MOUNTING	REMARKS	SYMBOL
A	2X2 LED RECESSED TROFFER WITH GRID TRIM	LITHONIA LIGHTING	2GTL 2 40L EZ1 LP850 N80	LED 4000 LUMEN 5000K 34.2W	120/277V	RECESSED		
B	4' LINEAR LED STRIP WITH INTEGRAL MOTION SENSOR	HOLOPHANE	EMS L48 3000LM IMAFL MD MVOLT GZ10 30K 90CRI SF MSI10NWL HC36	LED 3000 LUMEN 3000K 23W	120/277V	SUSPENDED		
D	3.5" SHALLOW DOWNLIGHT WITH COLOR CHANGING	WAC LIGHTING	R3ARAT N CC24 WT	LED 700 LUMEN 3000K 22W	120/277V	RECESSED		
E	2' WALL MOUNT LED WITH INTEGRATED OCCUPANCY SENSOR	LITHONIA LIGHTING	WL2 22L L840 N80 MSD7 SC	LED 2200 LUMEN 4000K 21W	120/277V	WALL		
F	2' WALL MOUNT LED WITH SYMMETRIC DISTRIBUTION	VISA LIGHTING	CV1700 - L40K-L MVOLT TW9016	LED 550 LUMEN 4000K 7W	120/277V	WALL		
L	6'1/2" RECESSED LINEAR EXTRUSION WITH COLOR CHANGING RGBW LED VHB TAPE	TIVO LIGHTING	WRNR-CHAN-SLV-6.5 WRNR-EC-02 TPL-RGBW-I-24	LED 91 LUMEN/FT 5.3W/FT	120/277V	RECESSED	SOLID END CAP: WRNR-EC-01 POWERFEED END CAP: WRNR-EC-02	
M	25' MULTICOLORED LED TAPE LIGHT	TIVO LIGHTING	ADUL-80-1-5-12-D AMP-OT-5-D CLL-DM-5.0-CS-12-PSU	LED 2.1W/FT	120/277V	SURFACE		
S	6" SURFACE MOUNT LED	JUNO LIGHTING	6RLS G2 07LM 30K 90CRI 120 FRPC WH	LED 700 LUMEN 3000K 10W	120/277V	SURFACE		
T	1X4 LED SURFACE MOUNT	EATON	DSI WS 2 L40 LD2 1 E UNV SU-JB 4 SR SWPD1 DC W	LED 3995 LUMEN 4000K 30W	120/277V	SURFACE		

1 LUMINAIRE SCHEDULE
12" = 1'-0"

	MAXIMUM OVERCURRENT PROTECTION	MINIMUM CONDUCTOR SIZE	MINIMUM GROUND SIZE	MINIMUM CONDUIT SIZE
1	25	#12	#12	3/4"
2	30	#10	#10	3/4"
3	50	#8	#10	1"
4	65	#6	#8	1"
5	85	#4	#8	1 1/4"
6	115	#2	#8	1 1/2"
7	130	#1	#6	1 1/2"
8	150	#1/0	#6	2"
9	175	#2/0	#4	2"
10	200	#3/0	#4	2"
11	230	#4/0	#2	2 1/2"
12	255	250MCM	#2	3"
13	310	350MCM	#2	3"
14	380	500MCM	#1	3 1/2"
15	460	2 SETS OF #4/0	#1	3"
16	510	2 SETS OF#250MCM	#1	3 1/2"
17	620	2 SETS OF#350MCM	#1	4"
18	760	2 SETS OF#500MCM	#1/0	5"
19	930	3 SETS OF#350MCM	#1/0	5"
20	1140	3 SETS OF#500MCM	#2/0	6"
21	1240	4 SETS OF#350MCM	#3/0	6"
22	1520	4 SETS OF#500MCM	#4/0	6"

2 CONDUCTOR SIZE TABLE
12" = 1'-0"

ELECTRICAL EQUIPMENT SCHEDULE

											CONTROLLER/LOCAL DEVICE						
ITEM	EQUIPMENT DESCRIPTION	LOCATION	VOLTS	PHASE(Ø) /POLES	HP	KW	FLA/ (MCA)	CB(AT)	PANEL - CIRCUIT	CONDUIT & CONDUCTORS	TYPE	FRAME (AF)	CB(AT)	POLES	CONDUIT & CONDUCTORS	ENCL.	NOTES
FCU-1	FAN COIL UNIT	BASEMENT	208	1	0.7	.	.	20	EMNPB - 28,30	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-2	FAN COIL UNIT	BASEMENT	208	1	0.7	.	.	20	EMSPB - 28,30	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-3	FAN COIL UNIT	2ND FLOOR	208	1	0.7	.	.	20	EM2S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-4	FAN COIL UNIT	3RD FLOOR	208	1	0.7	.	.	20	EM3S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-5	FAN COIL UNIT	4TH FLOOR	208	1	0.7	.	.	20	EM4S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-6	FAN COIL UNIT	5TH FLOOR	208	1	0.7	.	.	20	EM5S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-7	FAN COIL UNIT	6TH FLOOR	208	1	0.7	.	.	20	EM6S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-8	FAN COIL UNIT	7TH FLOOR	208	1	0.7	.	.	20	EM7S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-9	FAN COIL UNIT	8TH FLOOR	208	1	0.7	.	.	20	EM8S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
FCU-10	FAN COIL UNIT	9TH FLOOR	208	1	0.7	.	.	20	EM9S - 5,7	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
EF-1	EXHAUST FAN	ROOF	208	3	3/4	.	.	20	R PANEL - 18,20, 22	3#12 & 1#12G IN 1/2" C	LOCAL DISCONNECT	.	.	.	.	.	PROVIDED BY M.C.
EF-2	EXHAUST FAN	BASEMENT	208	1	1/4	.	.	20	MECH PB - 3,5	2#12 & 1#12G IN 1/2" C	COMBINATION MOTOR CONTROLLER STARTER	20	20	2	3#12 & 1#12G IN 1/2" C	NEMA 12	.
EF-3	EXHAUST FAN	BASEMENT	208	1	1/3	.	.	20	MECH PB - 4,6	2#12 & 1#12G IN 1/2" C	COMBINATION MOTOR CONTROLLER STARTER	20	20	2	3#12 & 1#12G IN 1/2" C	NEMA 12	.
EF-4	EXHAUST FAN	BASEMENT	208	1	1/4	.	.	20	MECH PB - 7,9	2#12 & 1#12G IN 1/2" C	COMBINATION MOTOR CONTROLLER STARTER	20	20	2	3#12 & 1#12G IN 1/2" C	NEMA 12	.
EF-5	EXHAUST FAN	BASEMENT	208	1	1/4	.	.	20	MECH PB - 8,10	2#12 & 1#12G IN 1/2" C	COMBINATION MOTOR CONTROLLER STARTER	20	20	2	3#12 & 1#12G IN 1/2" C	NEMA 12	.
HRU-1	HEAT RECOVERY UNIT	ROOF	208	3	5x2	.	.	70	R PANEL - 11,13,15	3#6 & 1#8G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#6 & 1#8G IN 3/4" C	.	PROVIDED BY M.C.
HRU-2	HEAT RECOVERY UNIT	ROOF	208	3	5x2	.	.	70	R PANEL - 12,14,16	3#6 & 1#8G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#6 & 1#8G IN 3/4" C	.	PROVIDED BY M.C.
RP-1	RECIRCULATION PUMP	BASEMENT	208	1	1/2	.	.	20	MECH PB - 18,20,22	2#12 & 1#12G IN 1/2" C	LOCAL DISCONNECT	.	.	.	2#12 & 1#12G IN 1/2" C	.	PROVIDED BY M.C.
CH-1	CHILLER	ROOF	208	3	.	.	(80)	85	R PANEL - 17,19, 21	3#4 & 1#8G IN 1-1/4" C	LOCAL DISCONNECT	.	.	.	3#4 & 1#8G IN 1-1/4" C	.	PROVIDED BY M.C.
SCP-1	STEAM CONDENSATE PUMP	BASEMENT	208	3	3	.	.	20	MECH PB - 36,38,40	3#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
DWH-1	DOMESTIC WATER HEATER	BASEMENT	120	1	.	.	4.6	20	MECH PB - 41	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
DWH-2	DOMESTIC WATER HEATER	BASEMENT	120	1	.	.	4.6	20	MECH PB - 42	2#12 & 1#12G IN 1/2" C	.	.	.	.	.	.	.
P-1	PUMP	BASEMENT	208	3	7.5	.	.	50	MECH PB - 23,25,27	3#8 & 1#10G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#8 & 1#10G IN 3/4" C	.	PROVIDED BY M.C.
P-2	PUMP	BASEMENT	208	3	7.5	.	.	50	MECH PB - 24,26,28	3#8 & 1#10G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#8 & 1#10G IN 3/4" C	.	PROVIDED BY M.C.
P-3	PUMP	BASEMENT	208	3	7.5	.	.	50	MECH PB - 29,31,33	3#8 & 1#10G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#8 & 1#10G IN 3/4" C	.	PROVIDED BY M.C.
P-4	PUMP	BASEMENT	208	3	7.5	.	.	50	MECH PB - 30,32,34	3#8 & 1#10G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#8 & 1#10G IN 3/4" C	.	PROVIDED BY M.C.
P-5	PUMP	BASEMENT	208	3	7.5	.	.	50	MECH PB - 35,37,39	3#8 & 1#10G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#8 & 1#10G IN 3/4" C	.	PROVIDED BY M.C.
P-6	PUMP	BASEMENT	120	1	1/4	.	.	20	MECH PB - 35,37,39	2#12 & 1#12G IN 1/2" C	COMBINATION MOTOR CONTROLLER STARTER	20	20	1	2#12 & 1#12G IN 1/2" C	NEMA 12	.
BP-1	BOOSTER PUMP	BASEMENT	208	3	10	.	.	70	MECH PB - 17,19,21	3#8 & 1#10G IN 3/4" C	LOCAL DISCONNECT	.	.	.	3#8 & 1#10G IN 3/4" C	.	PROVIDED BY M.C.

3 ELECTRICAL EQUIPMENT SCHEDULE
12" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date

Client
SUNY OSWEGO
OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ELECTRICAL SCHEDULES

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
LG	LG	12-14-2018

Seal & Signature

STATE OF NEW YORK RICHARD E. GARBER 086045 LICENSED PROFESSIONAL ENGINEER

DASNY Project No:
319010-CR12

Drawing Number
E600

Drawing
123 of 129

Branch Panel: EM1N

Location: STAIR #3 73 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMNPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Recessed | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Power: First Floor Lav. & Sink Sensors	20 A	1	100	700					1	20 A	Power - Fire Alarm Control Panel	2
3	LIGHTING - TOILET RPW-1 RPM-1	20 A	1			124	100			1	20 A	Power - First Floor Fire Alarm Devices	4
5	Lighting-Fire Command Center	20 A	1					248	0	1	20 A	Air Cond. Controls in Basement	6
7	Existing Receptacles in FA Room	20 A	1	0	5					1	20 A	DMX Splitter Booster	8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: EM1S

Location: | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMSPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Student Lounge Lighting	20 A	1	620									2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		620 VA		0 VA		0 VA					
		Total Amps:		5 A		0 A		0 A					

Legend:

Branch Panel: EM2N

Location: FIRE ALARM ROOM T34 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMNPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Lighting - Type L Lights	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power - Second Floor N Lav. & Sink	8
9	Lighting - 2nd Floor North	20 A	1			334	110			1	20 A	Power - Second Floor N Lav. & Sink	10
11	Power - 2nd Floor Fire Alarm Devices	20 A	1					100					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		597 VA		600 VA		683 VA					
		Total Amps:		5 A		5 A		6 A					

Legend:

Branch Panel: EM2S

Location: DATA CLOSET -08 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMSPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	80					1	20 A	Lighting - Type L Lights	2
3	Power: Second Floor S Lav. & Sink	20 A	1			110	376			1	20 A	Lighting - 2nd Floor South	4
5	Lighting - Type D Lights	20 A	1					66	80	1	20 A	Lighting - Type L Lights	6
7	Power: Second Floor S Lav. & Sink	20 A	1	110	480					1	20 A	Lighting-Existing Corridor Lights	8
9	DMX Splitter Booster	20 A	1			5	225						10
11	DATA CLOSET Receptacles	20 A	1					360	225	2	20 A	FCU-2	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		731 VA		716 VA		725 VA					
		Total Amps:		6 A		6 A		6 A					

Legend:

Branch Panel: EM3N

Location: | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMNPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type L Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Third Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Third Floor N Lav. & Sink	8
9	Lighting - 3rd Floor North	20 A	1			334	110			1	20 A	Power: Third Floor N Lav. & Sink	10
11	Power - 3rd Floor Fire Alarm Devices	20 A	1					100					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		597 VA		600 VA		683 VA					
		Total Amps:		5 A		5 A		6 A					

Legend:

Branch Panel: EM3S

Location: | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMSPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	360					1	20 A	DATA CLOSET Receptacles	2
3	Lighting - Type D Lights	20 A	1			66	376			1	20 A	Lighting - 4th Floor South	4
5	Lighting - Type L Lights	20 A	1					80	80	1	20 A	Lighting - Type L Lights	6
7	FCU-4	20 A	2	225	110					1	20 A	Power: Fourth Floor S Lav. & Sink	8
9						225	110			1	20 A	Power: Fourth Floor S Lav. & Sink	10
11	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Fourth Floor S Lav. & Sink	12
13	DMX Splitter Booster	20 A	1	5									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		763 VA		775 VA		745 VA					
		Total Amps:		6 A		6 A		6 A					

Legend:

Branch Panel: EM4N

Location: | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMNPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Fourth Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Fourth Floor N Lav. & Sink	8
9	Lighting - 4th Floor North	20 A	1			334	110			1	20 A	Power: Fourth Floor N Lav. & Sink	10
11	Power - 4th Floor Fire Alarm Devices	20 A	1					100					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		597 VA		600 VA		683 VA					
		Total Amps:		5 A		5 A		6 A					

Legend:

Branch Panel: EM4S

Location: | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMSPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	360					1	20 A	DATA CLOSET Receptacles	2
3	Lighting - Type D Lights	20 A	1			66	376			1	20 A	Lighting - 4th Floor South	4
5	Lighting - Type L Lights	20 A	1					80	80	1	20 A	Lighting - Type L Lights	6
7	FCU-4	20 A	2	225	110					1	20 A	Power: Fourth Floor S Lav. & Sink	8
9						225	110			1	20 A	Power: Fourth Floor S Lav. & Sink	10
11	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Fourth Floor S Lav. & Sink	12
13	DMX Splitter Booster	20 A	1	5									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		763 VA		775 VA		745 VA					
		Total Amps:		6 A		6 A		6 A					

Legend:

Branch Panel: EM5N

Location: STORAGE T147 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 22,000
Supply From: EMNPB | **Phases:** 3 | **Feed Type:** Bottom
Mounting: Surface | **Wires:** 4 | **Bus Rating:** 200 A
Enclosure: Type 1 | **MCB Rating:** 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Fifth Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Fifth Floor N Lav. & Sink	8
9	Lighting - 5th Floor North	20 A	1			334	110			1	20 A	Power: Fifth Floor N Lav. & Sink	10
11	Power - 5th Floor Fire Alarm Devices	20 A	1					100					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		597 VA		600 VA		683 VA					
		Total Amps:		5 A		5 A		6 A					

Legend:

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO
OSWEGO

Project Title

FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

ELECTRICAL PANEL SCHEDULES

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK RICHARD E. GARRETT 035604 LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

Drawing Number E610

Drawing 124 of 129

Branch Panel: EM5S

Location:
Supply From: EMSPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	360					1	20 A	DATA CLOSET Receptacles	2
3	Lighting - Type D Lights	20 A	1			66	376			1	20 A	Lighting - 5th Floor South	4
5	Lighting - Type L Lights	20 A	1					80	80	1	20 A	Lighting - Type L Lights	6
7	FCU-5	20 A	2	225	110					1	20 A	Power: Fifth Floor S Lav. & Sink	8
9						225	110			1	20 A	Power: Fifth Floor S Lav. & Sink	10
11	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Fifth Floor S Lav. & Sink	12
13	DMX Splitter Booster	20 A	1	5									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			763 VA		775 VA		745 VA					
	Total Amps:			6 A		6 A		6 A					

Legend:

Branch Panel: EM6N

Location:
Supply From: EMNPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Sixth Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Sixth Floor N Lav. & Sink	8
9	Lighting - 6th Floor North	20 A	1			334	110			1	20 A	Power: Sixth Floor N Lav. & Sink	10
11	Power - 6th Floor Fire Alarm Devices	20 A	1					0					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			597 VA		600 VA		586 VA					
	Total Amps:			5 A		5 A		5 A					

Legend:

Branch Panel: EM6S

Location:
Supply From: EMSPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	360					1	20 A	DATA CLOSET Receptacles	2
3	Lighting - Type D Lights	20 A	1			66	376			1	20 A	Lighting - 6th Floor South	4
5	Lighting - Type L Lights	20 A	1					80	80	1	20 A	Lighting - Type L Lights	6
7	FCU-6	20 A	2	225	110					1	20 A	Power: Sixth Floor S Lav. & Sink	8
9						225	110			1	20 A	Power: Sixth Floor S Lav. & Sink	10
11	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Sixth Floor S Lav. & Sink	12
13	DMX Splitter Booster	20 A	1	5									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			763 VA		775 VA		745 VA					
	Total Amps:			6 A		6 A		6 A					

Legend:

Branch Panel: EM7N

Location:
Supply From: EMNPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Seventh Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Seventh Floor N Lav. & Sink	8
9	Lighting - 7th Floor North	20 A	1			334	110			1	20 A	Power: Seventh Floor N Lav. & Sink	10
11	Power - 7th Floor Fire Alarm Devices	20 A	1					0					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			597 VA		600 VA		586 VA					
	Total Amps:			5 A		5 A		5 A					

Legend:

Branch Panel: EM7S

Location:
Supply From: EMSPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	360					1	20 A	DATA CLOSET Receptacles	2
3	Lighting - Type D Lights	20 A	1			66	376			1	20 A	Lighting - 7th Floor South	4
5	Lighting - Type L Lights	20 A	1					80	80	1	20 A	Lighting - Type L Lights	6
7	FCU-7	20 A	2	225	110					1	20 A	Power: Seventh Floor S Lav. & Sink	8
9						225	110			1	20 A	Power: Seventh Floor S Lav. & Sink	10
11	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Seventh Floor S Lav. & Sink	12
13	DMX Splitter Booster	20 A	1	5									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			763 VA		775 VA		745 VA					
	Total Amps:			6 A		6 A		6 A					

Legend:

Branch Panel: EM8N

Location:
Supply From: EMNPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 100 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Eighth Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Eighth Floor N Lav. & Sink	8
9	Lighting - 8th Floor North	20 A	1			334	110			1	20 A	Power: Eighth Floor N Lav. & Sink	10
11	Power - 8th Floor Fire Alarm Devices	20 A	1					0					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			597 VA		600 VA		586 VA					
	Total Amps:			5 A		5 A		5 A					

Legend:

Branch Panel: EM8S

Location:
Supply From: EMSPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	44	376					1	20 A	Lighting - 8th Floor South	2
3	Lighting - Type D Lights	20 A	1			66	360			1	20 A	DATA CLOSET Receptacles	4
5	Lighting - Type L Lights	20 A	1					80	80	1	20 A	Lighting - Type L Lights	6
7	FCU-8	20 A	2	225	110					1	20 A	Power: Eighth Floor S Lav. & Sink	8
9						225	110			1	20 A	Power: Eighth Floor S Lav. & Sink	10
11	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Eighth Floor S Lav. & Sink	12
13	DMX Splitter Booster	20 A	1	0									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			753 VA		758 VA		745 VA					
	Total Amps:			6 A		6 A		6 A					

Legend:

Branch Panel: EM9N

Location: FIRE ALARM ROOM T902
Supply From: EMNPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	66					1	20 A	Lighting - Type D Lights	2
3	Lighting - Type L Lights	20 A	1			80	80			1	20 A	Lighting - Type L Lights	4
5	Lighting-Existing Corridor Lights	20 A	1					480	110	1	20 A	Power: Ninth Floor N Lav. & Sink	6
7	Power - Fire Alarm Room Receptacles	20 A	1	360	110					1	20 A	Power: Ninth Floor N Lav. & Sink	8
9	Lighting - 9th Floor North	20 A	1			334	110			1	20 A	Power: Ninth Floor N Lav. & Sink	10
11	Power - 9th Floor Fire Alarm Devices	20 A	1					0					12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			597 VA		600 VA		586 VA					
	Total Amps:			5 A		5 A		5 A					

Legend:

Branch Panel: EM9S

Location: DATA CLOSET 908
Supply From: EMSPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lighting - Type D Lights	20 A	1	66	80					1	20 A	Lighting - Type L Lights	2
3	Lighting - Type D Lights	20 A	1			66	110			1	20 A	Power: Ninth Floor S Lav. & Sink	4
5	Lighting - Type L Lights	20 A	1					80	110	1	20 A	Power: Ninth Floor S Lav. & Sink	6
7	DATA CLOSET Receptacles	20 A	1	360	376					1	20 A	Lighting - 9th Floor South	8
9	Power: Ninth Floor S Lav. & Sink	20 A	1			500	225			2	20 A	FCU-9	10
11	Lighting-Existing Corridor Lights	20 A	1					480	225				12
13	DMX Splitter Booster	20 A	1	5									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			882 VA		898 VA		884 VA					
	Total Amps:			7 A		7 A		7 A					

Legend:

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO
OSWEGO

Project Title

FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

ELECTRICAL PANEL SCHEDULES

Phase

100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK — RICHARD E. GARBELL — LICENSED PROFESSIONAL ENGINEER — 088940

DASNY Project No: 319010-CR12

Drawing Number E611

Drawing 125 *of* 129

Branch Panel: LP-BN

Location: CORRIDOR B16R
Supply From: LPN
Mounting: Recessed
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 100 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Maintenance Room	20 A	1	0	0					1	20 A	Furniture Storage	2
3	Electrical Service Room	20 A	1			0	0			1	20 A	Furniture Storage	4
5	Maintenance Room	20 A	1					0	0	1	20 A	Laundry Services	6
7	Receiving Room	20 A	1	0	0					1	20 A	Lunch Room	8
9	Toilet	20 A	1			0	0			1	20 A	Furniture Storage	10
11	Toilet	20 A	1					0	0	1	20 A	Maintenance Room	12
13	EMS Unit Control	20 A	1	0	0					1	20 A	Spare	14
15	Elevator Room	20 A	1			0	0			1	20 A	Spare	16
17	Spare	20 A	1					0	0	1	20 A	Steam Room	18
19	Spare	20 A	1	0	0					1	20 A	Corridor Receptacles	20
21	Elevator Light	20 A	2			0	0			2	20 A	Receptacles	22
23								0	0				24
25	Steam Room Receptacles	20 A	2	0	0					2	20 A	Receptacles	26
27						0	0						28
29	Receptacles	20 A	2					0					30
31				0	231					1	20 A	Mechanical Rm. Lighting	32
33	Lighting - Furnace Room	20 A	1			21							34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-BS

Location: CHASE A
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Existing LP-CB Circuit 1	20 A	1	0	0					1	20 A	Existing LP-CB Circuit 2	2
3	Elevator Light	20 A	1			0	0			1	20 A	Lights S. Lounge	4
5	Lighting/Receptacles	20 A	1					0	0	1	20 A	Lighting/Receptacles	6
7	Lighting/Receptacles	20 A	1	0	0					1	20 A	Lighting/Receptacles	8
9	Lighting/Receptacles	20 A	1			0	0			1	20 A	Lights Elevator Lobby	10
11	Lighting/Receptacles	20 A	1					0	0	1	20 A	Lights Elevator Lobby	12
13	Elevator Lights	20 A	1	0	0					1	20 A	Ceiling Lights for Closet	14
15	Receptacles	20 A	1			0	0			1	20 A	Receptacles	16
17	Receptacles	20 A	1					0	0	1	20 A	EM60 4200 Meter Electrical Room	18
19	Receptacles	20 A	1	0	0					1	20 A	Receptacles	20
21	Receptacles	20 A	1			0	0			1	20 A	Lights-Closet Under Stair/Recp. Wall	22
23	Receptacle 110/Receptacle Col.	20 A	1					0	0	1	20 A	Receptacle East Wall/Southeast Wall	24
25	Existing LP-CB Circuit 25	20 A	1	0	0					1	20 A	Receptacles Northwest Wall	26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-1N

Location: JANITOR'S CLOSET 44
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 225 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Men's Room Hand Dryer	20 A	1	0	0					1	20 A	Receptacles-Director's Quarters	2
3	Receptacles-Director's Quarters	20 A	1			0	0			1	20 A	Receptacles-Director's Quarters	4
5	Lighting/Receptacles	20 A	1					0	0	1	20 A	Reception Room Lights	6
7	Lights-Superintendent's Office	20 A	1	0	0					1	20 A	Assistant Director's Office	8
9	Director and Assistant Director Office	20 A	1			0	0			1	20 A	Receptacles-Assistant Director's Quarters	10
11	Lights-General Office	20 A	1					0	0	1	20 A	Director's Office/Fitness Office	12
13	Corridor Lights	20 A	1	0	0					1	20 A	Receptacles-Reception Room	14
15	Corridor Lights	20 A	1			0	0			1	20 A	Refrigerator	16
17	Lights-Janitor Closet/Storage Closet	20 A	1					0	0	1	20 A	Lights-Director	18
19	Receptacles	20 A	1	0	0					1	20 A	Washer	20
21	Existing LP-1A Circuit 21	20 A	1			0	0			1	20 A	Outside Lights-Timer	22
23	Refrigerator-Assistant Director	20 A	2					0	0	2	20 A	Washing Machine #6	24
25				0	0								26
27	Main Office	20 A	2			0	0			1	20 A	Outside Lights	28
29								0	164	1	20 A	LIGHTING - TOILET RPW-1 RPM-1	30
31	Drinking Fountain	20 A	2	0	360					1	20 A	RECEPTACLES - WOMENS & MENS...	32
33						0	0			1	20 A	Spare	34
35	Existing LP-1A Circuit 39-41	70 A	2					0	0				36
37				0	0					2	20 A	Existing LP-1A Circuit 40-42	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42

Legend:

Branch Panel: LP-1S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Existing LP-1B Circuit 5	20 A	1	0	0					1	20 A	Lights	2
3	Lights	20 A	1			0	0			1	20 A	Lights	4
5	Lights	20 A	1					0	0	1	20 A	Existing LP-1B Circuit 18	6
7	Existing LP-1B Circuit 11	20 A	1	0	0					1	20 A	Receptacles North Wall	8
9	Existing LP-1B Circuit 13	20 A	1			0	0			1	20 A	Outside Receptacles East Wall	10
11	Existing LP-1B Circuit 15	20 A	1					0	0	1	20 A	Receptacles North Wall/West Date Room	12
13	Existing LP-1B Circuit 17	20 A	1	0	0					1	20 A	Heaters-South	14
15	Existing LP-1B Circuit 19	20 A	1			0	0			1	20 A	Lights-Elevator Lobby	16
17	Receptacles West Wall	20 A	1					0	0	1	20 A	Lights-East Entrance Lobby	18
19	Receptacles East Col.	20 A	1	0	0					1	20 A	Corridor Receptacles	20
21	West Entrance Heater	20 A	1			0	0			2	20 A	Existing LP-1B Circuit 40-42	22
23	Receptacles South Wall/ South West Col.	20 A	1					0	0				24
25	Lights	20 A	1	0	0					1	20 A	Indirect Lights	26
27	Existing LP-1B Circuit 35	20 A	1			0	0			1	20 A	Momentary Cont. Switch Rec Room	28
29	Date Room 125 Lights	20 A	1					0					30
31	Student Lounge Vending Receptacles	20 A	1	360									32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-2N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 221 N, 222, 223 S	20 A	1			0	0			1	20 A	Receptacles 201 N, 226	4
5	Receptacles 220 N/E, 221 S/E	20 A	1					0	0	1	20 A	Receptacles 201 S/W, 202 N/W	6
7	Receptacles 219, 220 S, Study N	20 A	1	0	0					1	20 A	Receptacles 202 S, 203, 204 N	8
9	Receptacles 2 SC Telephone Room	20 A	1			0	0			1	20 A	Receptacles 204 S/W, 205, Lounge N	10
11	Receptacles 223 N/E, 224 E/S	20 A	1					0	0	1	20 A	Receptacle Lounge Under Window	12
13	Receptacles 224 N, 225	20 A	1	0	0					1	20 A	Receptacle North Hall (GFCI)	14
15	Receptacles Hall 5,6 East	20 A	1			0	0			1	20 A	Receptacles Hall 2, 3, 4 West	16
17	Receptacles 7, 8, 9 East	20 A	1					0	0	1	20 A	Receptacles Hall 5, 6 West	18
19	Receptacles Hall 2, 3, 4 East	20 A	1	0	0					1	20 A	Receptacles Hall 7, 8, 9 West	20
21	UPS 2NC	20 A	1			0	0			1	20 A	UPS 2SC	22
23	215 GFCI Receptacles	20 A	1					540	720	1	20 A	215 GFCI Receptacles	24
25	217 Receptacles	20 A	1	1260	900					1	20 A	216 Receptacles	26
27	210/211/213/214 GFCI Receptacles	20 A	1			1080							28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-2S

Location: JANITOR'S CLOSET JCL-S
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles Elevator Lobby 2, 3, 4 (GFCI)	20 A	1			0	0			1	20 A	Receptacles 214 N, 216, 216 S	4
5	Receptacles 212, 213 S	20 A	1					0	0	1	20 A	Receptacles 216 NE, 217 NE/E/S	6
7	Receptacles 213 N/E, 214 S/E	20 A	1	0	0					1	20 A	Receptacles 217 NW, 218, Study S/E	8
9	Receptacles 206, 207 N/W, Lounge S	20 A	1			0	0			1	20 A	Receptacles 209 S/W, 210 N/W	10
11	Receptacles South Hall (GFCI)	20 A	1					0	0	1	20 A	Receptacles 209 S, 211	12
13	Lights by Elevator	20 A	1	0	0					1	20 A	Lights TV Lounge	14
15	Receptacles East Halls 2, 3, 4 (GFCI)	20 A	1			0	0			1	20 A	Receptacles 207 S, 208, 209 N	16
17	Receptacles East Halls 5, 6 (GFCI)	20 A	1					0	0	1	20 A	Receptacles Elevator Lobby 5, 6 (GFCI)	18
19	Receptacles East Halls 7, 8, 9 (GFCI)	20 A	1	0	0					1	20 A	Receptacles West Halls 2, 3, 4 (GFCI)	20
21	Receptacles Elevator Lobby 7, 8, 9 (GFCI)	20 A	1			0	0			1	20 A	Receptacles West Halls 5, 6 (GFCI)	22
23	200 Receptacles	20 A	1					1260	0	1	20 A	Receptacles West Halls 7, 8, 9 (GFCI)	24
25	202 GFCI Receptacles	20 A	1	720	1080					1	20 A	204/205/206/207 GFCI Receptacles	26
27	201 Receptacles	20 A	1			900	540			1	20 A	203 Receptacles	28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-3N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 321 N, 322, 323 S	20 A	1			0	0			1	20 A	Receptacles 301 N, 326	4
5	Receptacles 318 N/W, 320, 321 S/E	20 A	1					0	0	1	20 A	Receptacles 301 S/W, 302 N/W	6
7	Receptacles 319 E/S, Study N	20 A	1	0	0					1	20 A	Receptacles 302 S, 303, 304 N/W	8
9	Receptacle North Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 304 S, 305, Lounge N	10
11	Receptacles 324 N, 325	20 A	1					0	0	1	20 A	Receptacle Lounge Under Windows	12
13	Existing LP-3A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 323 N/E, 324 S/E	14
15	Existing LP-3A Circuit 25	20 A	1			0	0			1	20 A	Existing LP-3A Circuit 20	16
17								0	1	20 A	Existing LP-3A Circuit 22	18	
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-3S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 314 N, 315, 316 S	4
5	Receptacles 312, 313 S	20 A	1					0	0	1	20 A	Receptacles 316 N/E, 317 S/E, (C-NW)	6
7	Receptacles 313 N/E, 314 S/E	20 A	1	0	0					1	20 A	Receptacles 317 N/E, 318, Study S/E	8
9	Receptacles 306, 307 N, Lounge S	20 A	1			0	0			1	20 A	Receptacles 310 S, 311	10
11	Receptacle TV Lounge Under Windows	20 A	1					0	0	1	20 A	Receptacles 309 S/W, 310 N/W	12
13	Receptacles 307 S/W, 308, 309 N	20 A	1	0	0					1	20 A	Lights TV Lounge	14
15								0		1	20 A	Lights Elevator Lobby	16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-4N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Receptacles 401 N, 426	2
3	Receptacles Bathroom (GFCI)	20 A	1			0	0			1	20 A	Receptacles 401 S/W, 402 N/W	4
5	Receptacles 421 N/E, 422, 423 S	20 A	1					0	0	1	20 A	Receptacles 402 S, 403, 404 N/W	6
7	Receptacles 420 N/E, 421 NW/SE	20 A	1	0	0					1	20 A	Receptacles 404 S, 405, Lounge N	8
9	Receptacles 419, 420 SE, Study N	20 A	1			0	0			1	20 A	Receptacle Lounge Under Windows	10
11	Receptacles North Hall (GFCI)	20 A	1					0	0	1	20 A	Receptacles 423 N/E, 424	12
13	Existing LP-4A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 425	14
15	Existing LP-4A Circuit 25	20 A	1			0	0			1	20 A	Existing LP-4A Circuit 20	16
17	Existing LP-4A Circuit 27	20 A	1					0	0	1	20 A	Existing LP-4A Circuit 22	18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client

SUNY OSWEGO
OSWEGO

Project Title

FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title

ELECTRICAL PANEL SCHEDULES

Phase

100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK — RICHARD E. GARBACZ — LICENSED PROFESSIONAL ENGINEER — 085042

DASNY Project No: 319010-CR12

Drawing Number E612

Drawing 126 of 129

Branch Panel: LP-4S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights Room West	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 414 N, 415, 416 S	4
5	Receptacles 412, 413 S	20 A	1					0	0	1	20 A	Receptacles 416 N/E, 417 S/E	6
7	Receptacles 413 N/E, 414 S/E	20 A	1	0	0					1	20 A	Receptacles 417 N, 418, Study S/E	8
9	Receptacles 407 S/W, 408, 409 N	20 A	1			0	0			1	20 A	Receptacles 410 S, 411	10
11	Receptacles 406, 407 N, TV Lounge S	20 A	1					0	0	1	20 A	Receptacles 409 S/W, 410 N/W	12
13	Lights Lobby by Elevator	20 A	1	0	0					1	20 A	Lights TV Lounge	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-5N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 521 N, 522, 523 S	20 A	1			0	0			1	20 A	Receptacles 501 N, 526	4
5	Receptacles 518 N/W, 520, 521 S/E	20 A	1					0	0	1	20 A	Receptacles 501 S/W, 502 N/W	6
7	Receptacles 519 S/E, Study N	20 A	1	0	0					1	20 A	Receptacles 502 S, 503, 504 N/W	8
9	Receptacles North Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 504 S, 505, Lounge N	10
11	Receptacles 524 N, 525	20 A	1					0	0	1	20 A	Receptacles Lounge Under Windows	12
13	Existing LP-5A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 523 N/E, 524 S/E	14
15	Existing LP-5A Circuit 23	20 A	1			0	0			1	20 A	Existing LP-5A Circuit 20	16
17								0	1	20 A	Existing LP-5A Circuit 22	18	
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-5S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 514 N, 515, 516 S	4
5	Receptacles 512, 513 S	20 A	1					0	0	1	20 A	Receptacles 516 N/E, 517, 518 S/W	6
7	Receptacles 513 N/E, 514 S/E	20 A	1	0	0					1	20 A	Receptacles 518, Study S/E	8
9	Receptacles 506, 507 N, Lounge S	20 A	1			0	0			1	20 A	Receptacles 511 S/E	10
11	Receptacles 509 S/W, 510, 511 N	20 A	1					0	0	1	20 A	Lights TV Lounge	12
13	Receptacles 507 S/W, 508, 509 N	20 A	1	0	0					1	20 A	Lights Lobby by Elevator	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-6N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 621 N, 622, 623 S	20 A	1			0	0			1	20 A	Receptacles 601 N, 626	4
5	Receptacles 618 N/W, 620, 621 S/E	20 A	1					0	0	1	20 A	Receptacles 601 S/W, 602 N/W	6
7	Receptacles 619 S/E, Study N	20 A	1	0	0					1	20 A	Receptacles 602 S, 603, 604 N/W	8
9	Receptacles North Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 604 S, 605, Lounge N	10
11	Receptacles 624 N, 625	20 A	1					0	0	1	20 A	Receptacles Lounge Under Windows	12
13	Existing LP-6A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 623 N/E, 624 S/E	14
15	Existing LP-6A Circuit 25	20 A	1			0	0			1	20 A	30A UPS Receptacle N Telephone Room	16
17								0	1	20 A	30A UPS Receptacle S Telephone Room	18	
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-6S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 617 N/E, 618, Study S/E	4
5	Receptacles 612, 613 S	20 A	1					0	0	1	20 A	Receptacles 610 S, 611	6
7	Receptacles 613 N/E, 614 S/E	20 A	1	0	0					1	20 A	Receptacles 609 S/W, 610 N/W	8
9	Receptacles 614 N, 615, 616 S	20 A	1			0	0			1	20 A	Receptacles 607 S/W, 608, 609 N	10
11	Receptacles 616 N/E, 617 S/E (S/W)	20 A	1					0	0	1	20 A	Receptacles 606, 607 N, Lounge S	12
13	Lights Lobby by Elevator	20 A	1	0	0					1	20 A	Lights TV Lounge	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-7N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 721 N, 722, 723 S	20 A	1			0	0			1	20 A	Receptacles 701 N, 726	4
5	Receptacles 718 N/W, 720, 721 S/E	20 A	1					0	0	1	20 A	Receptacles 701 S/W, 702 N/W	6
7	Receptacles 719 S/E, Study N	20 A	1	0	0					1	20 A	Receptacles 702 S, 703, 704 N/W	8
9	Receptacles 724 N, 725	20 A	1			0	0			1	20 A	Receptacles 704 S, 705, Lounge N	10
11	Receptacles North Hallway (GFCI)	20 A	1					0	0	1	20 A	Receptacles Lounge Under Windows	12
13	Existing LP-7A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 723 N/E, 724 S/E	14
15	Existing LP-7A Circuit 25	20 A	1			0	0			1	20 A	Existing LP-7A Circuit 20	16
17								0	1	20 A	Existing LP-7A Circuit 22	18	
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-7S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 714 N, 715, 716 S	4
5	Receptacles 712, 713 S	20 A	1					0	0	1	20 A	Receptacles 716 N/E, 717 S, 718 S	6
7	Receptacles 713 N/E, 714 S/E	20 A	1	0	0					1	20 A	Receptacles 717 N/E, 718 N/E, Study S/E	8
9	Receptacles 707 S/W, 708, 709 N	20 A	1			0	0			1	20 A	Receptacles 710 S, 711	10
11	Receptacles 706, 707 N, Lounge S	20 A	1					0	0	1	20 A	Receptacles 709 S/W, 710 N/W	12
13	Lights Lobby by Elevator	20 A	1	0	0					1	20 A	Lights TV Lounge	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-8N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 821 N, 822, 823 S	20 A	1			0	0			1	20 A	Receptacles 801 N, 826	4
5	Receptacles 818 N/W, 820, 821 S/E	20 A	1					0	0	1	20 A	Receptacles 801 S/W, 802 N/W	6
7	Receptacles 819 S/E, Study N	20 A	1	0	0					1	20 A	Receptacles 802 S, 803, 804 N/W	8
9	Receptacles North Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 804 S, 805, Lounge N	10
11	Receptacles 823 N/E, 824 S/E	20 A	1					0	0	1	20 A	Receptacles Lounge Under Windows	12
13	Existing LP-8A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 824 N, 825	14
15	Existing LP-8A Circuit 25	20 A	1			0	0			1	20 A	Existing LP-8A Circuit 20	16
17								0	1	20 A	Existing LP-8A Circuit 22	18	
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-8S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 814 N, 815, 816 S	4
5	Receptacles 812, 813 S	20 A	1					0	0	1	20 A	Receptacles 816 N/E, 817 S/E (N/W)	6
7	Receptacles 813 N/E, 814 S/E	20 A	1	0	0					1	20 A	Receptacles 817 N/E, 818, Study S/E	8
9	Receptacles 810 S, 811	20 A	1			0	0			1	20 A	Receptacles 809 S/W, 810 N/W	10
11	Receptacles TV Lounge Under Windows	20 A	1					0	0	1	20 A	Lights Lobby by Elevator	12
13	Receptacles 806, 807 N, Lounge S	20 A	1	0	0					1	20 A	Receptacles 807 S/W, 808, 809 N	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ELECTRICAL PANEL SCHEDULES

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

STATE OF NEW YORK · RICHARD E. GARBARINO · 035945 · LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12
Drawing Number E613
Drawing 127 of 129

Branch Panel: LP-9N

Location:
Supply From: LPN
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles 921 N, 922, 923 S	20 A	1			0	0			1	20 A	Receptacles 901 N, 926	4
5	Receptacles 918 N/W, 920, 921 S/E	20 A	1					0	0	1	20 A	Receptacles 901 S/W, 902 N/W	6
7	Receptacles 919 S/E, Study N	20 A	1	0	0					1	20 A	Receptacles 902 S, 903, 904 N/W	8
9	Receptacles North Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 904 S, 905, Lounge N	10
11	Receptacles Lounge Under Windows	20 A	1					0	0	1	20 A	Receptacles 923 N/E, 924 S/E	12
13	Existing LP-9A Circuit 23	20 A	1	0	0					1	20 A	Receptacles 924 N, 925	14
15	Existing LP-9A Circuit 25	20 A	1			0	0			1	20 A	Existing LP-9A Circuit 20	16
17	916 Receptacles	20 A	1					900	0	1	20 A	Existing LP-9A Circuit 22	18
19	910A GFCI Receptacles	20 A	1	720	1080					1	20 A	910/911/913/914 GFCI Receptacles	20
21							900			1	20 A	917 Receptacles	22
23	915 Receptacles	20 A	1					540					24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: LP-9S

Location:
Supply From: LPS
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Lights East Rooms	20 A	1	0	0					1	20 A	Lights West Rooms	2
3	Receptacles South Hallway (GFCI)	20 A	1			0	0			1	20 A	Receptacles 914 N, 915, 916 S	4
5	Receptacles 912, 913 S	20 A	1					0	0	1	20 A	Receptacles 916 N/E, 917 S, 918	6
7	Receptacles 913 N/E, 914 S/E	20 A	1	0	0					1	20 A	Receptacles 918 N/E/S, Study S/E	8
9	Receptacles 910 S, 911	20 A	1			0	0			1	20 A	Receptacles 909 S/W, 910 N/W	10
11	Lights Lobby by Elevator	20 A	1					0	0	1	20 A	Lights TV Lounge	12
13	Receptacles 906, 907 N, Lounge S	20 A	1	0	0					1	20 A	Receptacles 907 S/W, 908, 909 N	14
15	900 Receptacles	20 A	1			900	720			1	20 A	902 GFCI Receptacles	16
17	904/905/906/907 GFCI Receptacles	20 A	1					1080	900	1	20 A	901 Receptacles	18
19	903 GFCI Receptacles	20 A	1	540									20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: PANEL R

Location:
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 62,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Existing Lighting	20 A	1	0	0					1	20 A	TV Ampl. Equipment	2
3	Existing Lighting	20 A	1			0	0			1	20 A	Spare	4
5								0	0				6
7	Electric Heater	20 A	3	0	0					3	20 A	Electric Heater	8
9						0	0						10
11								0	0	3	70 A	HRU-2	12
13	HRU-1	70 A	3	0	0								14
15						0	0						16
17								0	0				18
19	CH-1	850 A	3	0	0					3	20 A	EF-1	20
21						0	0						22
23	Weather Proof Receptacle	20 A	1					180	180	1	20 A	Weather Proof Receptacle	24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Legend:

Branch Panel: PPEL

Location:
Supply From: LRPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Feed Type: Bottom
Bus Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	AC-1/CU-1	20 A	2	0	0					1	20 A	Exhaust Fan and Dampers	2
3						0	0			1	20 A	Receptacle Near Panel	4
5	Spare	20 A	1					0	0	1	20 A	elevator 2 Cab Lights	6
7				0	0								8
9	Elevator 3 Control Cabinet	20 A	3			0	0			3	20 A	Elevator 2 Control Cabinet	10
11								0	0				12
13	Elevator 1 Cab Lights	20 A	1	0	0								14
15	Elevator 3 Cab Lights	20 A	1			0	0			2	20 A	AC-2/CU-2	16
17	Spare	20 A	1					0	0	1	20 A	Roof Receptacles	18
19				0	0					1	20 A	Spare	20
21	Elevator 1 Control Cabinet	20 A	3			0	0			2	20 A	Spare	22
23								0	0				24
25	Space	--	--	0	0					--	--	Space	26
27	Space	--	--			0	0			--	--	Space	28
29	Space	--	--					0	0	--	--	Space	30

Legend:

Branch Panel: MECH PB

Location:
Supply From: OSPB
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Feed Type: Bottom
Bus Rating: 225 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EF-2 Combination Motor Controller Starter	20 A	2	0	180					1	20 A	Power-Digital Mixing Valve	2
3						0	0			2	20 A	EF-3 Combination Motor Controller Starter	4
5	EF-4 Combination Motor Controller Starter	20 A	2					0	0				6
7				0	0					2	20 A	EF-5 Combination Motor Controller Starter	8
9						0	0						10
11	Existing Sump Pump 1	20 A	3					0	0				12
13				0	0					3	20 A	Existing Sump Pump 2	14
15						0	0						16
17	BP-1	70 A	3					0	0				18
19				0	0					3	20 A	RP-1	20
21						0	0						22
23	P-1	50 A	3					0	0				24
25				0	0					3	50 A	P-2	26
27						0	0						28
29	P-3	50 A	3					0	0				30
31				0	0					3	50 A	P-4	32
33						0	0						34
35	P-5	50 A	3					0	0				36
37				0	0					3	20 A	SCP-1	38
39	P-6 Combination Motor Controller Starter	20 A	1			0	0						40
41	DWH-1	20 A	1					0	0	1	20 A	DWH-2	42

Legend:

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

bell & spina ARCHITECTS
BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No.	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL

25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ELECTRICAL PANEL SCHEDULES

Phase
100% SUBMISSION

Drawn By:	*Checked By:*	*Date:*
GT	DG	12-14-2018

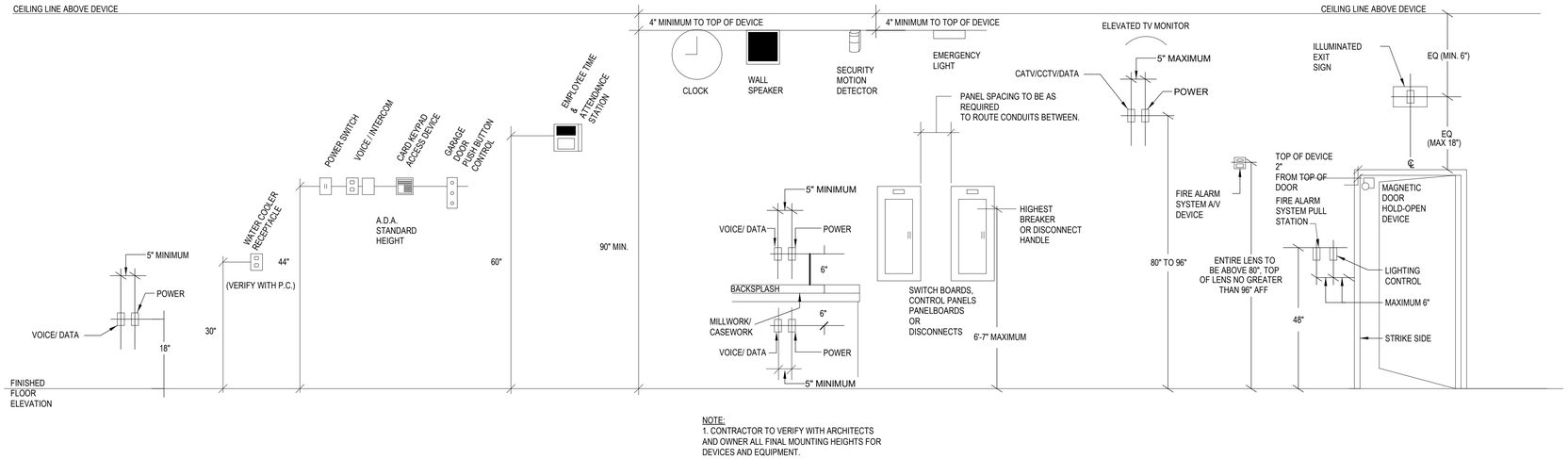
Seal & Signature

STATE OF NEW YORK — RICHARD E. GARRETSON — 085694 — LICENSED PROFESSIONAL ENGINEER

DASNY Project No: 319010-CR12

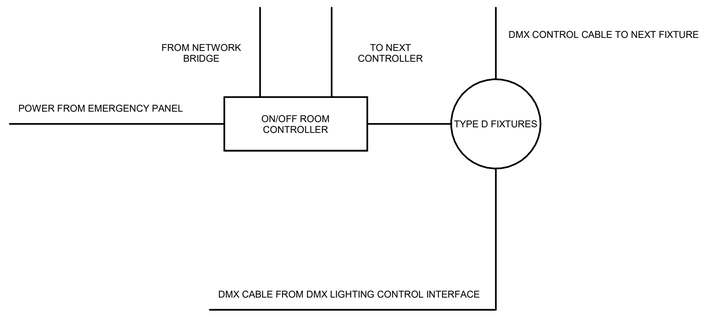
Drawing Number E614

Drawing 128 of 129

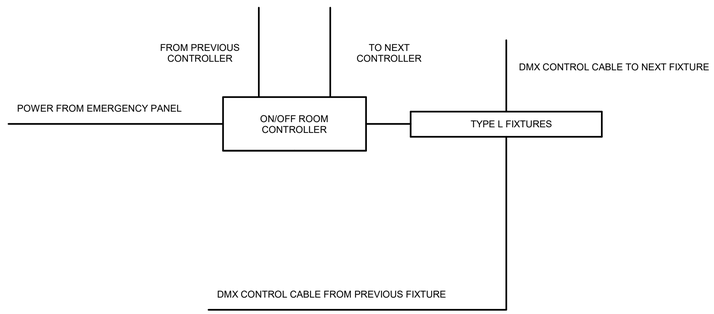


NOTE:
1. CONTRACTOR TO VERIFY WITH ARCHITECTS AND OWNER ALL FINAL MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT.

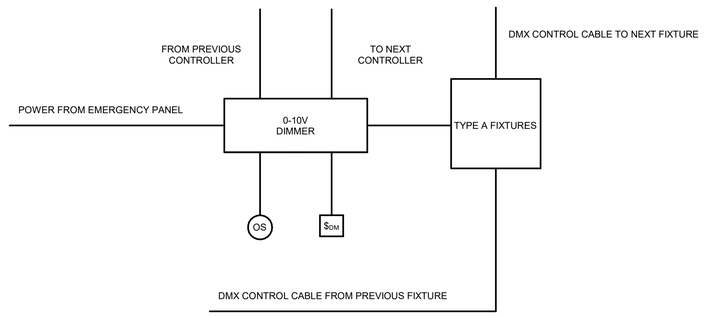
1 TYPICAL ELEVATION DETAIL
12" = 1'-0"



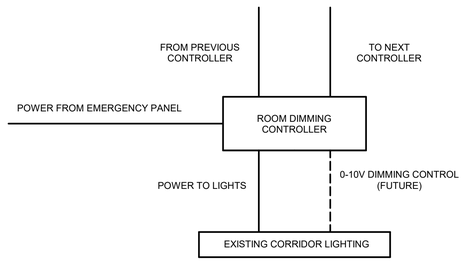
TYPE D LIGHT FIXTURE CONTROL WIRING DETAIL



TYPE L LIGHT FIXTURE CONTROL WIRING DETAIL



TYPE A LIGHT FIXTURE CONTROL WIRING DETAIL



EXISTING CORRIDOR LIGHTING CONTROL WIRING DETAIL

2 LIGHT FIXTURE DETAILS
12" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. DASNY

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
WWW. DASNY.ORG

Consultants:

BELL & SPINA, ARCHITECTS-PLANNERS, PC
215 WYOMING STREET
SYRACUSE, NY 13204
315.488.0377

POPLI DESIGN GROUP
555 PENBROOKE DRIVE PENFIELD, NY 14526
585.388.2060

Project Key

REVISIONS

Rev No	Description	Date:

Client
SUNY OSWEGO

Project Title
FUNNELLE HALL
25 UNION ROAD
OSWEGO, NY 13126

Drawing Title
ELECTRICAL DETAILS

Phase
100% SUBMISSION

Drawn By:	Checked By:	Date:
GT	DG	12-14-2018

Seal & Signature

DASNY Project No:
319010-CR12

Drawing Number
E700

Drawing 129 of 129