ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

ORANGE COUNTY MEDICAL EXAMINER
22 WELLS FARM RD.
GOSHEN, NY 10924

BID SET

11/18/2022

HHA PROJ. NO.: 20071

CLIENT PROJ. NO.:



DRAWING LIST

CIVIL
EX101 EXISTING CONDITIONS PLAN
DM101 DEMO PLAN
C101 UTILITY PLAN
C102 SITE PLAN
E_101 ELECTRICAL SITE PLAN
L101 LANDSCAPE PLAN
ESCP EROSION & SEDIMENT CONTROL PLAN
D101 DETAILS
D102 DETAILS
D103 DETAILS

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S002 DESIGN DATA AND GENERAL NOTES CONT
S003 SCHEDULE OF SPECIAL INSPECTIONS
S100 FOUNDATION PLAN
S200 MAIN ROOF FRAMING PLAN
S201 INTERMEDIATE ROOF FRAMING PLAN
S202 HIGH ROOF FRAMING PLAN
S300 FOUNDATION DETAILS
S301 FOUNDATION DETAILS CONT
S302 PIER, BASE PLATE AND ANCHOR ROD DETAILS
S400 MASONRY DETAILS
S500 STEEL FRAMING DETAILS
S501 STEEL FRAMING DETAILS CONT
S502 COLD FORMED METAL FRAMING DETAILS
S503 BRACED FRAME ELEVATIONS AND DETAILS

LIFE SAFETY
LSC100 LIFE SAFETY PLAN

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A002 WALL TYPES
A100 FURNITURE & EQUIPMENT PLAN
A101 FLOOR PLAN
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A104 ROOF DETAILS
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A201 EXTERIOR ELEVATIONS
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A400 REFLECTED CEILING PLAN
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A504 EXTERIOR DETAILS
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A700 DOOR SCHEDULE AND DETAILS
A701 WINDOW/ BORROWED LITE SCHEDULE AND DETAILS
A800 ROOM FINISH SCHEDULE
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A802 WALL PROTECTION PLAN AND SIGNAGE PLAN
A803 SIGNAGE
A900 MILLWORK SECTIONS AND DETAILS

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FP001 FIRE PROTECTION SYMBOLS, NOTES AND ABBREVIATIONS
FP100 FIRE PROTECTION SPRINKLER FLOOR PLAN

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H101 HVAC DUCTWORK FLOOR PLAN @ ROOMS 134 & 121
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H700 HVAC DETAILS
H701 HVAC DETAILS
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H703 HVAC DETAILS
H704 HVAC DETAILS
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H802 HVAC SCHEDULES

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ES101 ELECTRICAL SITE PLAN
E100 ELECTRICAL POWER FLOOR PLAN
E101 ELECTRICAL POWER FLOOR PLAN
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E700 ELECTRICAL ONE-LINE, AND ELECTRICAL DETAILS
E701 ELECTRICAL DETAILS
E800 ELECTRICAL SCHEDULES & DETAILS

PLUMBING SYSTEMS
P001 PLUMBING SYMBOLS, NOTES & ABBREVIATIONS
P100 PLUMBING SANITARY FLOOR PLAN
P200 PLUMBING DOMESTIC WATER FLOOR PLAN
P300 PLUMBING ROOF PLAN
P701 PLUMBING DETAILS
P702 PLUMBING DETAILS

IT/SECURITY
TA001 LOW VOLTAGE SYSTEMS TITLESHEET
TA002 LV SITE PLAN ENABLING
TA003 LV OUTSIDE PLANT
TA100 LOW VOLTAGE FLOOR PLAN
TA200 LV REFLECTED CEILING PLAN
TA300 ENLARGED LOW VOLTAGE DETAILS - I.T. ROOM 119
TA401 TYPICAL LOW VOLTAGE DEVICE DETAILS
TA411 TYPICAL LOW VOLTAGE INFRASTRUCTURE DETAILS
TA500 TYPICAL ELECTRONIC ACCESS CONTROL DOOR DETAILS
TA700 AV SIGNAL FLOW

FF&E
F1.1 FURNITURE PLAN

OWNER

ORANGE COUNTY NEW YORK 1 NOVEMBER 1683

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

HYMAN HAYES ASSOCIATES
HHA
800 Troy-Schenectady Road, Suite 103
Latham, NY, 12110
(518) 452-3470
www.hymanhayes.com

CONSTRUCTION MANAGER

the Palombo Group
CONSTRUCTION MANAGEMENT & GENERAL CONTRACTING
170 Washington St.
Poughkeepsie, NY 12601
(845) 575-6700
www.thepalombogroup.com

MEP ENGINEER

FELLENZER ENGINEERING LLP

CIVIL ENGINEER

Fusco Engineering & Land Surveying PC

FORENSIC

crime lab design

I.T./SECURITY

CONVERGENT TECHNOLOGIES DESIGN GROUP, INC.

FF&E

Classic Contract Interiors, LLC

N
W E
S NORTH

EXISTING ORANGE COUNTY EMERGENCY SERVICES CENTER BUILDING

EXISTING TRANSFORMER

EXISTING POWER JUNCTION BOX

(2) EXISTING SPARE CONDUITS ROUTED TO BASEMENT

EXISTING COMMUNICATION JUNCTION BOX

EXISTING ELECTRIC

EXISTING DATA COMMUNICATION # OF CONDUIT T.B.D.

CB RIM:508.60 INV:504.50

CB RIM:507.70 INV:503.40 INV:503.20

CB RIM:507.85 INV:503.25

CB RIM:507.70 INV:503.80 INV:503.60

CB RIM:506.3 INV:502.00 INV:501.60

CB RIM:504.20 INV:497.80 INV:497.40

CB RIM:502.83 INV:499.23 INV:499.13

CB RIM:482.26 INV:478.20 INV:478.10

CB RIM:484.70 INV:477.50 INV:477.20

CB RIM:469.79 INV:466.59

CB RIM:469.33 INV:464.13 INV:464.03

CB RIM:453.23 INV:449.93

CONC. PAD

WATER TOWER

EXISTING 8" DIP FEEDER LINE, WATERMAIN

EXISTING 12" DIP SERVICE LINE

EXISTING SOLAR PANEL FARM

EXISTING TRANSFORMER

DIRT ROAD

WELLS FARM ROAD

THM=479.93
INV.=473.05

SAN 303' @ 0.58%

Know what's below.
Call before you dig.

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
- CHAIN LINK FENCE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATER LINE
- EXISTING SEWER LINE
- UNDERGROUND FIBER OPTICS
- UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

REVISION SCHEDULE

#	DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
HHA
100 Troy Schenectady Road
Suite 103
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT: HFI
M.E.P. CONSULTANT: FELLENZER PE
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
IT SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

SHEET TITLE
EXISTING CONDITIONS PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/1/22
SCALE:	1"=40'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	2071
CLIENT PROJ. NO.:	

SHEET NUMBER
EX101

N
W E
S
NORTH

EXISTING ORANGE COUNTY EMERGENCY SERVICES CENTER BUILDING

SEE NOTE B
SEE NOTE C
SEE NOTE C
SEE NOTE 4
SEE NOTE D
APPROX. LINE OF SAWCUT COORDINATE WITH PROJECT G.C.
SEE NOTE C
SEE NOTE C
CONC. PAD
WATER TOWER
REMOVE 40± L.F. OF FENCE
HYDRANT & VALVE TO BE RELOCATED
EXISTING 8" DIP FEEDER LINE WATERMAIN
EXISTING 12" DIP SERVICE LINE
REMOVE 350± L.F. UNDERGROUND COMMUNICATION, POWER & DATA
SEE NOTE F
SEE NOTE G
EXISTING SOLAR PANEL FARM
EXISTING TRANSFORMER
DIRT ROAD
WELLS FARM ROAD
NW'S 303° @ 8

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
- CHAIN LINK FENCE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATER LINE
- EXISTING SEWER LINE
- UNDERGROUND FIBER OPTICS
- UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- FLAG POLE
- PROPOSED CONTOUR LINE
- RELOCATED UNDERGROUND FIBER OPTICS
- RELOCATED UNDERGROUND TELEPHONE
- RELOCATED UNDERGROUND ELECTRIC
- RETAINING WALL
- CONCRETE BOLLARD
- SILT FENCE
- NEW SIGN (4)
- SANITARY
- E EXISTING LIGHT POLE WITHIN A.O.D. TO REMAIN
- D EXISTING LIGHT POLE TO BE DISASSEMBLED (SEE NOTE E & H)
- RELOCATED VALVE & HYDRANT
- REMOVE UNDERGROUND ELECTRIC
- REMOVE UNDERGROUND FIBER OPTICS
- REMOVE UNDERGROUND TELEPHONE
- EXISTING PAVING TO BE REMOVED (APPROXIMATELY 56,000 ±S.F.) CONTRACTOR TO VERIFY EXISTING SUBBASE MEETS REQUIREMETNS AS PER DETAIL SHOWN ON PAVEMENT DETAIL SHEET D101
- LIMITS OF SAWCUT OF PAVEMENT
- LIMITS OF DISTURBANCE

NOTES:

A. EXISTING UNDERGROUND UTILITIES OUTSIDE OF AREA OF DISTURBANCE TO BE ABANDONED IN PLACE CONTRACTOR TO PULL EXISTING FEEDERS OUT OF CONDUIT. E.C.

B. CONTRACTOR TO REMOVE 12" OF GRASS & TOPSOIL IN PREPARATION FOR FUTURE ASPHALT, SEE DETAIL THIS PLAN SET. APPROXIMATELY 8,300 S.F.

C. CONTRACTOR TO SAWCUT EXISTING CURB.

D. EXISTING DRAINAGE INFRASTRUCTURE INCLUDING CB AND PIPES TO REMAIN.

E. REMOVE EXISTING LIGHT POLES AND BASES AS WELL AS SECURITY CAMERAS TO BE SAFELY STORED CONTRACTOR TO IDENTIFY ELECTRIC FEEDERS TO EXISTING LIGHT POLES AND REMOVE AS NECESSARY QUANTITY = 9 POLES TO BE REMOVED.

F. CONTRACTOR TO MAINTAIN EXISTING DATA AND POWER COMMUNICATIONS CONDUIT TO POINT SHOWN. CONTRACTOR COORDINATE PHASING THIS ASPECT OF WORK WITH NEW POWER AND DATA RE-FEEDING THE EXISTING ORANGE COUNTY EMERGENCY SERVICE BUILDING.

G. CONTRACTOR TO COORDINATE WITH EXISTING ORANGE COUNTY EMERGENCY SERVICES TO RE-ROUTE EXISTING WATERLINES AS SHOWN ON C-101.

H. CONTRACTOR TO DISASSEMBLE EXISTING LIGHT POLES AND APPURTENANCES, STORE IN SAFE LOCATION FOR RE-INSTALL.

I E.C. TO COORDINATE WITH OWNER FOR SCHEDULED OUTAGE DURING TRANSFER OF UTILITIES.

J. E.C. TO COORDINATE PHASING OF DEMOLITION TO TO MINIMIZE DOWNTIME TO EXISTING EMERGENCY SERVICES BUILDING DURING TRANSFER OF UTILITIES.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

811 Know what's below. Call before you dig.

REVISION SCHEDULE

#	DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 103
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT
M&P CONSULTANT: FELLENZER PE
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
IT/SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
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COST CONSULTANT: STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

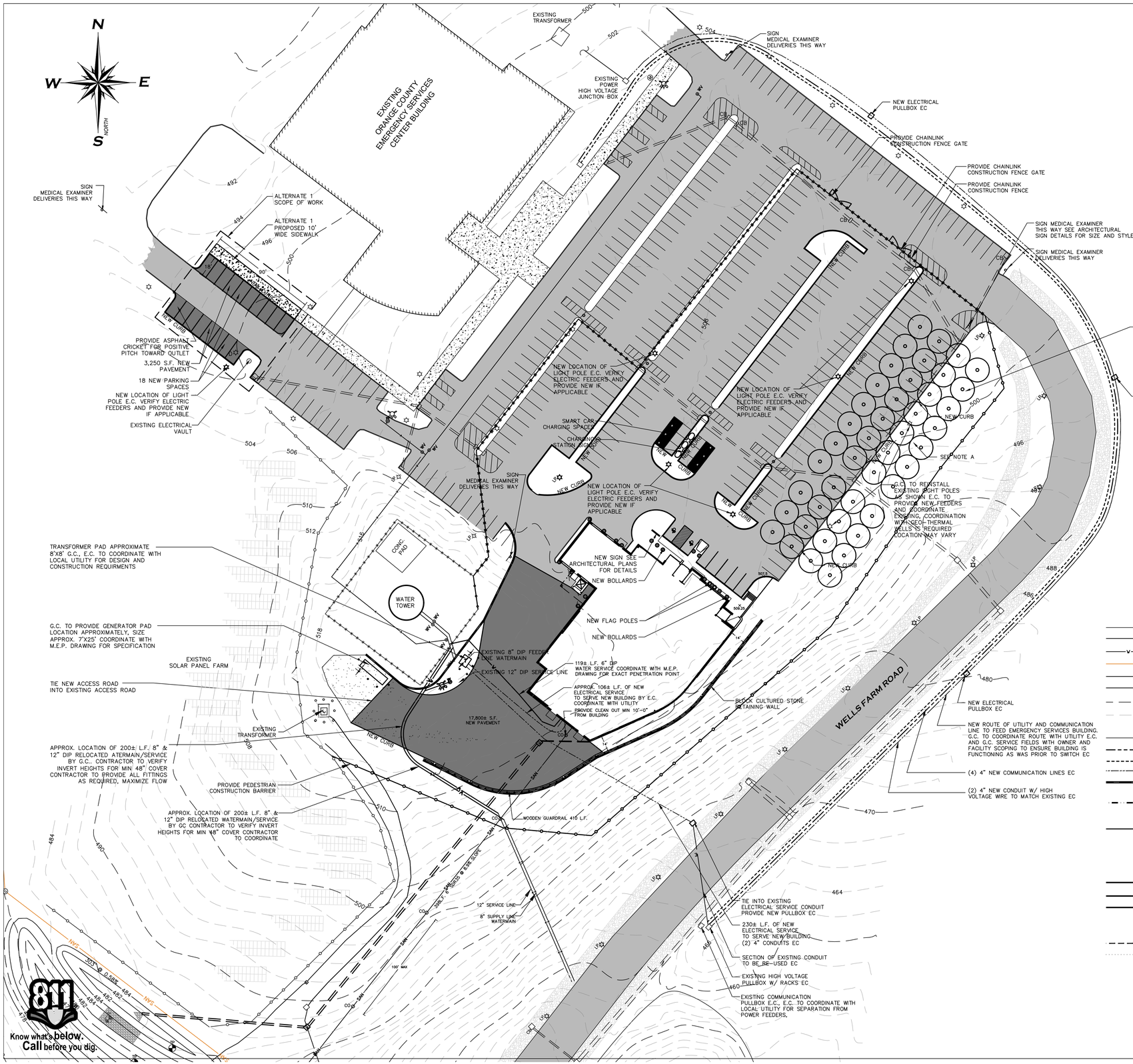
SHEET TITLE: DEMO PLAN

22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/1/22
SCALE:	1"=40'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

DM101



PROJECT CONTRACTS:
G.C. GENERAL CONTRACTOR
E.C. ELECTRICAL CONTRACTOR
M.C. MECHANICAL CONTRACTOR
P.C. PLUMBING CONTRACTOR

NOTES:
A. LOCATION OF GEOTHERMAL WELLS ARE APPROXIMATE. G.C. TO COORDINATE WITH M.C. AND P.C. FOR EXACT LOCATION AND ROUTING OF PIPE. SEE MEP DRAWINGS FOR DETAILS OF THERMAL WELL DEPTH AND COVERAGE. ROUTING OF PIPE BACK TO BUILDING G.C.
B. CONCRETE CURB ISLANDS TO BE GRASS TO MATCH EXISTING.
C. ALL UNDERGROUND UTILITIES ARE CONSIDERED PRIVATELY OWNED. THEREFORE GC IS RESPONSIBLE FOR LOCATING AND MARKING UTILITIES AS NEEDED.

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
- CHAIN LINK FENCE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATER LINE
- EXISTING SEWER LINE
- UNDERGROUND FIBER OPTICS
- UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- FLAG POLE
- PROPOSED CONTOUR LINE
- RELOCATED UNDERGROUND FIBER OPTICS
- RELOCATED UNDERGROUND TELEPHONE
- RELOCATED UNDERGROUND ELECTRIC
- RETAINING WALL
- CONCRETE BOLLARD
- SILT FENCE
- NEW SIGN (4)
- SANITARY
- E EXISTING LIGHT POLE WITHIN A.O.D. TO REMAIN
- D EXISTING LIGHT POLE TO BE DISASSEMBLED (SEE NOTE E & H)
- RELOCATED VALVE & HYDRANT
- REMOVE UNDERGROUND ELECTRIC
- REMOVE UNDERGROUND FIBER OPTICS
- REMOVE UNDERGROUND TELEPHONE
- EXISTING PAVING TO BE REMOVED (APPROXIMATELY 56,000 ±S.F.) CONTRACTOR TO VERIFY EXISTING SUBBASE MEETS REQUIREMETNS AS PER DETAIL SHOWN ON PAVEMENT DETAIL SHEET D101
- LIMITS OF SAWCUT OF PAVEMENT
- LIMITS OF DISTURBANCE

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HATES ASSOCIATES
800 Troy-Schenectady Road
Suite 103
Latham, NY 12110
(518) 482-3470
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLASSIC CONCEPT INTERIORS, LLC
I.T. SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M.E.P. CONSULTANT	FELLENZER
FORENSIC CONSULTANT	

ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
UTILITY PLAN

DATE:	11/1/22
SCALE:	1"=40'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
C101

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N
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NOTES:
A. PROVIDE RISERS TO GRADE.

PROJECT CONTRACTS:
G.C. GENERAL CONTRACTOR
E.C. ELECTRICAL CONTRACTOR
M.C. MECHANICAL CONTRACTOR
P.C. PLUMBING CONTRACTOR

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- CB EXISTING CATCH BASIN
- PB EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
- CHAIN LINK FENCE
- EXISTING UNDERGROUND ELECTRIC
- W EXISTING WATER LINE
- SAN EXISTING SEWER LINE
- UNDERGROUND FIBER OPTICS
- UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- FLAG POLE
- PROPOSED CONTOUR LINE
- RELOCATED UNDERGROUND FIBER OPTICS
- RELOCATED UNDERGROUND TELEPHONE
- RELOCATED UNDERGROUND ELECTRIC
- RETAINING WALL
- CONCRETE BOLLARD
- SILT FENCE
- NEW SIGN (4)
- SAN SANITARY

EXISTING ORANGE COUNTY EMERGENCY SERVICES CENTER BUILDING

ALTERNATE 1 SCOPE OF WORK

ALTERNATE 1 PROPOSED 10' WIDE SIDEWALK

PROVIDE ASPHALT CRICKET FOR POSITIVE PITCH TOWARD OUTLET

3,250 S.F. NEW PAVEMENT

18 NEW PARKING SPACES

EXISTING SOLAR PANEL FARM

EXISTING TRANSFORMER

CONC. PAD

WATER TOWER

FFE: 509.5'
LSE: 508.0

17,800± S.F. NEW PAVEMENT

PROP CB1
RIM: 507.8
INV: 498.0
SEE NOTE A

CONTRACTOR TO PROVIDE POSITIVE PITCH AWAY FROM BUILDING

COORDINATE ROOF DRAINAGE WITH M.E.P. DRAWINGS TIE INTO NEW CATCH BASIN

WELLS FARM ROAD

EXCESS SOIL MATERIAL FROM EXCAVATION TO BE PLACED, GRADED AND AREA RESTORED TO LIKE CONDITIONS.

THM=479.93
INV.=473.05

SEDIMENT BASIN SPILLWAY
INV=483.0
l= 35' w=5'

WET POND
INV=478.0
BERM ELEV=482.0
BERM WIDTH=8'

WET POND SPILLWAY
INV=481.0
L=20' W=8'

OCS #1
RIM: 479.65
INV OUT: 478.00

INV OUT: 482.60

PROP 304L.F. 18" HDPE @ 4% SLOPE

PROP CB
RIM=487.0
INV=484.81

PROP 136 L.F. 18" HDPE 1.6% SLOPE

303' @ 0.58%

90 LF 8" ø HDPE @ 19.00%

DMH #1
RIM: 479.65
INV IN: 460.93
INV OUT: 458.93

88 LF 8" ø HDPE @ 13.56%

DMH #2
RIM: 479.65
INV IN: 442.20
INV OUT: 440.20

86 LF 8" ø HDPE @ 19.00%

CB RIM:433.28 INV:428.58
CB RIM:432.11 INV:428.01 INV:427.81
CB RIM:432.91 INV:427.81 INV:427.71

CB RIM:433.80 INV:431.00
CB RIM:435.23 INV:431.48 INV:431.23

15" PIPE

CB RIM:507.70 INV:503.40 INV:503.20
CB RIM:507.85 INV:503.25
CB RIM:507.70 INV:503.80 INV:503.60
CB RIM:506.3 INV:502.00 INV:501.60
CB RIM:504.20 INV:497.80 INV:497.40
CB RIM:502.83 INV:499.23 INV:499.13
CB RIM:482.26 INV:478.20 INV:478.10
CB RIM:484.70 INV:477.50 INV:477.20
CB RIM:469.79 INV:466.59
CB RIM:469.33 INV:464.13 INV:464.03
CB RIM:453.23 INV:449.93
CB RIM:453.26 INV:449.36 INV:447.56 INV:443.06
INV: 437.61
CB RIM:440.83 INV:438.37
CB RIM:440.91 INV:437.11 INV:436.91
RIM:439.55 INV:437.99

THM= 477.57 INV. IN= 471.82 INV. OUT= 463.32
THM= 468.62
THM= 454.13
THM= 436.89

GAS

CON MON SIGN

Know what's below. Call before you dig.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

SHEET NUMBER	C102
DATE:	11/1/22
SCALE:	1"=30'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET TITLE
SITE PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

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GOSHEN, NY 10924

ORANGE COUNTY, NEW YORK

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
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FORENSIC CONSULTANT	M/E/P CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
	FELLENZER ENGINEERING LLP	Fusco Engineering & Land Surveying PC	CONVERGENT TECHNOLOGIES DESIGN GROUP, INC.	CLASSIC CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

SEAL
LICENSED PROFESSIONAL ENGINEER ALFRED A. SUTRO, JR. NO. 054404 STATE OF NEW YORK

REVISION SCHEDULE

#	DESCRIPTION	DATE
1	FOR BID	11/1/22

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NORTH

EXISTING ORANGE COUNTY EMERGENCY SERVICES CENTER BUILDING

EXISTING TRANSFORMER

EXISTING POWER HIGH VOLTAGE JUNCTION BOX

NEW ELECTRICAL PULLBOX EC

NEW LOCATION OF LIGHT POLE E.C. VERIFY ELECTRIC FEEDERS AND PROVIDE NEW IF APPLICABLE

EXISTING ELECTRICAL VAULT

SMART CAR CHARGING SPACES

CHARGING STATION SIGNS

NEW LOCATION OF LIGHT POLE E.C. VERIFY ELECTRIC FEEDERS AND PROVIDE NEW IF APPLICABLE

NEW LOCATION OF LIGHT POLE E.C. VERIFY ELECTRIC FEEDERS AND PROVIDE NEW IF APPLICABLE

NEW ELECTRICAL PULLBOX

G.C. TO REINSTALL EXISTING LIGHT POLES AS SHOWN E.C. TO PROVIDE NEW FEEDERS AND COORDINATE EXISTING, COORDINATION WITH GEO-THERMAL WELLS IS REQUIRED LOCATION MAY VARY

CONC. PAD

WATER TOWER

TRANSFORMER PAD APPROXIMATE 8'X8' G.C., E.C. TO COORDINATE WITH LOCAL UTILITY FOR DESIGN AND CONSTRUCTION REQUIRMENTS

G.C. TO PROVIDE GENERATOR PAD LOCATION APPROXIMATELY, SIZE APPROX. 7'X25' COORDINATE WITH M.E.P. DRAWING FOR SPECIFICATION

EXISTING SOLAR PANEL FARM

EXISTING TRANSFORMER

APPROX. 106± L.F. OF NEW ELECTRICAL SERVICE TO SERVE NEW BUILDING BY E.C. COORDINATE WITH UTILITY

WELLS FARM ROAD

NEW ELECTRICAL PULLBOX EC

NEW ROUTE OF UTILITY AND COMMUNICATION LINE TO FEED EMERGENCY SERVICES BUILDING. G.C. TO COORDINATE ROUTE WITH UTILITY E.C. AND G.C. SERVICE FIELDS WITH OWNER AND FACILITY SCOPING TO ENSURE BUILDING IS FUNCTIONING AS WAS PRIOR TO SWITCH EC

(4) 4" NEW COMMUNICATION LINES EC

(2) 4" NEW CONDUIT W/ HIGH VOLTAGE WIRE TO MATCH EXISTING EC

TIE INTO EXISTING ELECTRICAL SERVICE CONDUIT PROVIDE NEW PULLBOX EC

230± L.F. OF NEW ELECTRICAL SERVICE TO SERVE NEW BUILDING (2) 4" CONDUITS EC

SECTION OF EXISTING CONDUIT TO BE RE-USED EC

EXISTING HIGH VOLTAGE PULLBOX W/ RACKS EC

EXISTING COMMUNICATION PULLBOX E.C., E.C. TO COORDINATE WITH LOCAL UTILITY FOR SEPARATION FROM POWER FEEDERS,

OCS #1
RIM: 479.65
INV OUT: 478.00

DMH #1
RIM: 479.65
INV IN: 460.93
INV OUT: 458.93

DMH #2
RIM: 479.65
INV IN: 442.20
INV OUT: 440.20

THM= 477.57
INV. IN= 471.82
INV. OUT= 463.32

THM= 468.62

THM= 454.13

THM= 436.89

CON MON SIGN

SEDIMENT BASIN

4.34 SPILLWAY

POND

WELLS FARM ROAD

NOTES:

E. REMOVE EXISTING LIGHT POLES AND BASES. CONTRACTOR TO IDENTIFY ELECTRIC FEEDERS TO EXISTING LIGHT POLES AND REMOVE AS NECESSARY QUANTITY = APPROXIMATE. 9 POLES TO BE REMOVED.

F. CONTRACTOR TO DISASSEMBLE EXISTING LIGHT POLES AND APPURTENANCES, STORE IN SAFE LOCATION FOR RE-INSTALL.

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
- CHAIN LINK FENCE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATER LINE
- EXISTING SEWER LINE
- UNDERGROUND FIBER OPTICS
- UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- FLAG POLE
- PROPOSED CONTOUR LINE
- RELOCATED UNDERGROUND FIBER OPTICS
- RELOCATED UNDERGROUND TELEPHONE
- RELOCATED UNDERGROUND ELECTRIC
- RETAINING WALL
- CONCRETE BOLLARD
- SILT FENCE
- NEW SIGN (4)
- SANITARY
- EXISTING LIGHT POLE WITHIN A.O.D. TO REMAIN
- EXISTING LIGHT POLE TO BE DISASSEMBLED (SEE NOTE E & H)
- RELOCATED VALVE & HYDRANT
- REMOVE UNDERGROUND ELECTRIC
- REMOVE UNDERGROUND FIBER OPTICS
- REMOVE UNDERGROUND TELEPHONE
- EXISTING PAVING TO BE REMOVED (APPROXIMATELY 56,000 ±S.F.) CONTRACTOR TO VERIFY EXISTING SUBBASE MEETS REQUIREMETNS AS PER DETAIL SHOWN ON PAVEMENT DETAIL SHEET D101
- LIMITS OF SAWCUT OF PAVEMENT

Know what's below.
Call before you dig.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SHEET NUMBER E101

DATE:	11/1/22
SCALE:	1"=50'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET TITLE
ELECTRICAL SITE PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
GOSHEN, NY 10924

ORANGE COUNTY, NEW YORK

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

HYMAN HAYES ASSOCIATES

800 Troy-Schenectady Road
Suite 103
Latham, NY, 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT	M/E/P CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
	FELLENZER ENGINEERING LLP	Fusco Engineering & Land Surveying PC	CONVERGENT TECHNOLOGIES DESIGN GROUP, INC.	CLASSIC CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

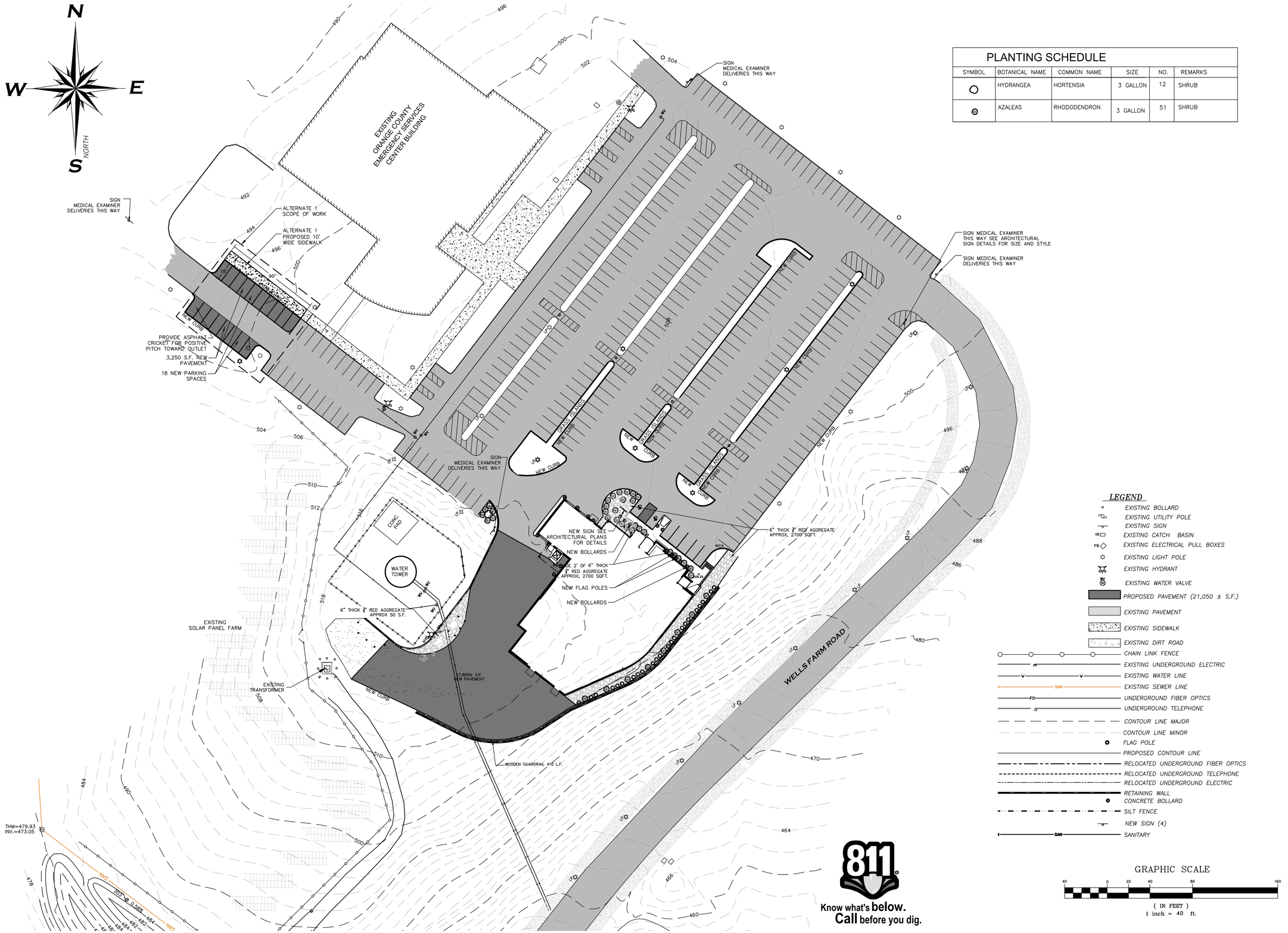
SEAL

LICENSED PROFESSIONAL ENGINEER
ALFRED A. SCRIBNER, JR.
NO. 054404
STATE OF NEW YORK

REVISION SCHEDULE

#	DESCRIPTION	DATE
1	BID SET	11/18/22

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



PLANTING SCHEDULE					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NO.	REMARKS
○	HYDRANGEA	HORTENSIA	3 GALLON	12	SHRUB
⊛	AZALEAS	RHODODENDRON	3 GALLON	51	SHRUB

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
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- EXISTING UNDERGROUND ELECTRIC
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- EXISTING SEWER LINE
- UNDERGROUND FIBER OPTICS
- UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- FLAG POLE
- PROPOSED CONTOUR LINE
- RELOCATED UNDERGROUND FIBER OPTICS
- RELOCATED UNDERGROUND TELEPHONE
- RELOCATED UNDERGROUND ELECTRIC
- RETAINING WALL
- CONCRETE BOLLARD
- SILT FENCE
- NEW SIGN (4)
- SANITARY

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

Know what's **below.** **Call** before you dig.

REVISION SCHEDULE

#	DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 103
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT
M&P CONSULTANT — FELLENZER PE
CIVIL CONSULTANT — Fusco Engineering & Land Surveying P.C.
IT/SECURITY CONSULTANT — CONVERGENT TECHNOLOGIES
FF&E CONSULTANT — CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT — STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

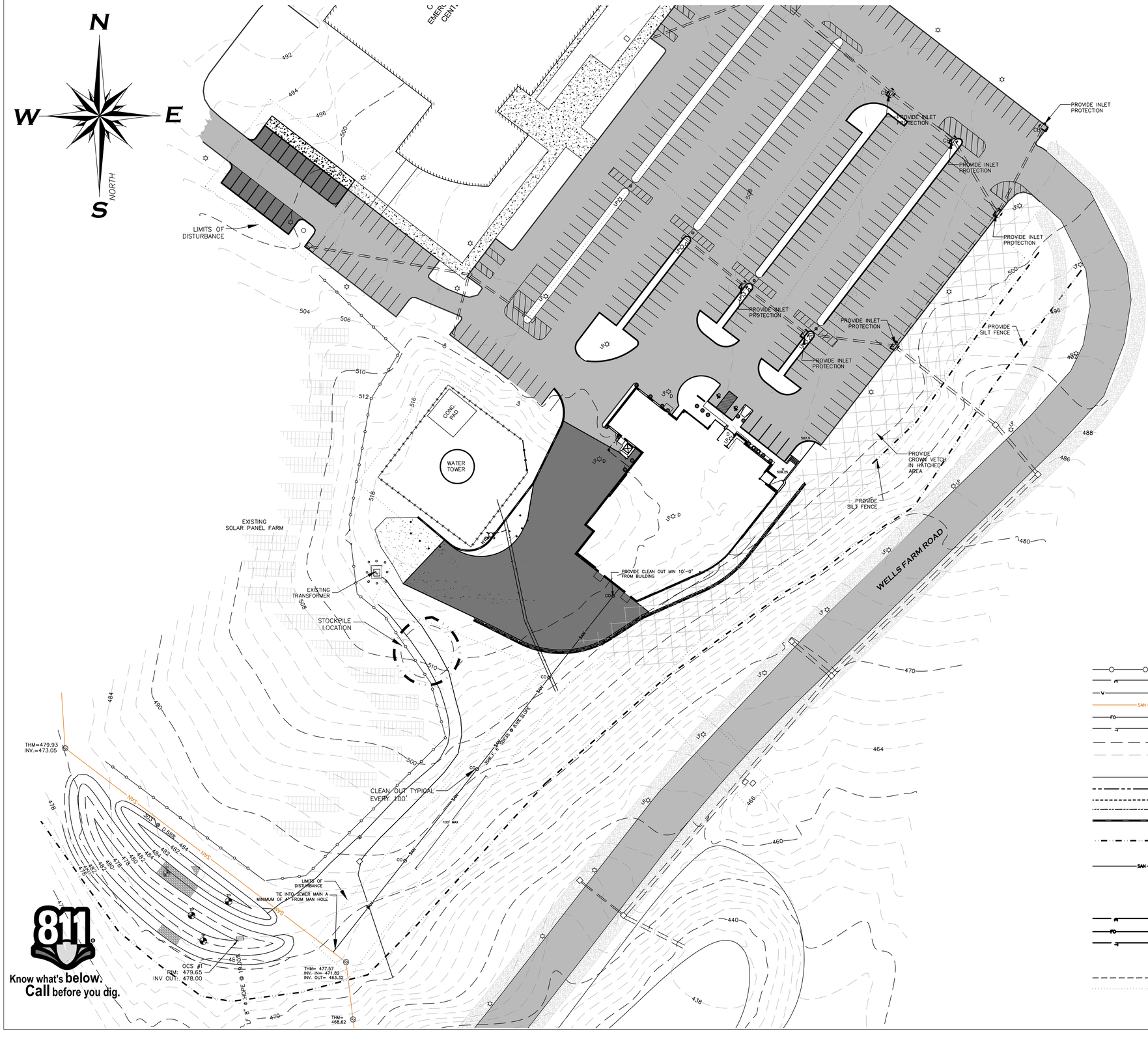
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
LANDSCAPE PLAN

DATE:	11/1/22
SCALE:	1"=40'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

L101



DEEP SOIL TEST

TPA — 10/7/22

Depth	
0–1	10" TOPSOIL
1–3	28" BROWN SILT W/ COBBLES
3–5	52" BROWN CLAY W/ COBBLES
5–7	76" GREY SILTY CLAY W/ COBBLES
7–8	NO WATER SEEPAGE AT 76"

TPB — 10/7/22

Depth	
0–1	TOPSOIL
1–5	34" BROWN CLAY (LOOSE) W/ COBBLES
5–7	70" HARDPAN BROWN CLAY SOME GREY CLAY
7–8	NO WATER SEEPAGE AT 70"

DEEP SOIL TEST

TPC — 10/7/22

Depth	
0–1	TOPSOIL
1–3	28" BROWN COBBLE LOAM W/ SOME MOTTLING
3–4	34" LOAM GRAVEL
4–5	46" GREY CLAY COBBLES
5–7	74" BROWN HARDPAN CLAY
7–8	NO WATER SEEPAGE AT 76"

TPD — 10/7/22

Depth	
0–1	TOPSOIL
1–3	32" BROWN CLAY (LOOSE) W/ COBBLES
3–5	56" BROWN HARDPAN CLAY
5–8	NO WATER SEEPAGE AT 56"

LEGEND

- EXISTING BOLLARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- PB EXISTING ELECTRICAL PULL BOXES
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED PAVEMENT (21,050 ± S.F.)
- EXISTING PAVEMENT
- EXISTING SIDEWALK
- EXISTING DIRT ROAD
- CHAIN LINK FENCE
- E EXISTING UNDERGROUND ELECTRIC
- V EXISTING WATER LINE
- SAN EXISTING SEWER LINE
- FO UNDERGROUND FIBER OPTICS
- T UNDERGROUND TELEPHONE
- CONTOUR LINE MAJOR
- CONTOUR LINE MINOR
- FLAG POLE
- PROPOSED CONTOUR LINE
- RELOCATED UNDERGROUND FIBER OPTICS
- RELOCATED UNDERGROUND TELEPHONE
- RELOCATED UNDERGROUND ELECTRIC
- RETAINING WALL
- CONCRETE BOLLARD
- SILT FENCE
- NEW SIGN (4)
- SAN SANITARY
- E EXISTING LIGHT POLE WITHIN A.O.D. TO REMAIN
- D EXISTING LIGHT POLE TO BE DISASSEMBLED (SEE NOTE E & H)
- RELOCATED VALVE & HYDRANT
- REMOVE UNDERGROUND ELECTRIC
- FO REMOVE UNDERGROUND FIBER OPTICS
- T REMOVE UNDERGROUND TELEPHONE
- EXISTING PAVING TO BE REMOVED (APPROXIMATELY 56,000 ±S.F.) CONTRACTOR TO VERIFY EXISTING SUBBASE MEETS REQUIREMETNS AS PER DETAIL SHOWN ON PAVEMENT DETAIL SHEET D101
- LIMITS OF SAWCUT OF PAVEMENT
- LIMITS OF DISTURBANCE

REVISION SCHEDULE

#	DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
100 Troy-Schenectady Road
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FORENSIC CONSULTANT	

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ORANGE COUNTY, NEW YORK

SHEET TITLE
EROSION & SEDIMENT CONTROL PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
CORNWALL, NY 12084

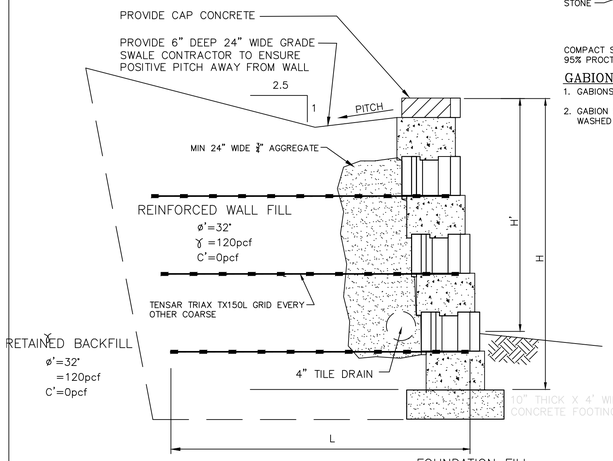
DATE:	11/1/22
SCALE:	1"=40'
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

ESCP



24X48 BLOCK RETAINING WALL TO MATCH BUILDING COLOR.



SOIL TYPE B/CASE 2

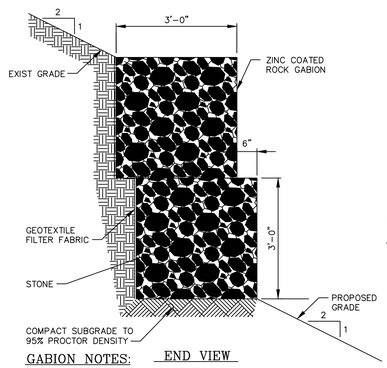
SOIL TYPE SILT/SILTY CLAY

FOUNDATION FILL
ø'=32°
ɣ =120pcf
C'=0pcf

TOTAL HEIGHT H	EXPOSED HEIGHT H'	GEOGRID NO. LAYERS	GEOGRID L	GEOGRID TYPE
2'-0"	1'-4"	0	N/A	N/A
2'-8"	2'-0"	0	N/A	N/A
4'-8"	4'-0"	2	4'-0"	A
6'-8"	6'-0"	2	5'-0"	B
9'-8"	8'-0"	4	6'-6"	B
10'-8"	10'-0"	6	9'-6"	B
14'-8"	12'-0"	8	11'-6"	B

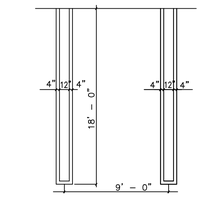
GENERAL NOTES
1. FACTOR OF SAFTY FOR SLIDING: 1.5
2. FACTOR OF SAFTY FOR OVERTURNING: 2.0
3. ALLOWABLE BEARING PRESSURE: 3000PSF
4. COMPACTION 95% STANDARD PROCTOR 12" LIFTS
5. MIN 2 FT. DRAINAGE FILL BEHIND WALL
6. PROVIDE LATERAL DRAINAGE
7. WEIGHT OF SOIL = 120 PCF

SPECIFICATIONS:
GABION SHALL BE A MACCAFERRI ZINC COATED BOX CAGE OR APPROVED EQUAL
WIRE MESH THICKNESS TO BE 0.12"ø
3 1/4"x4 1/2" MESH OPENING



GABION NOTES: END VIEW
1. GABIONS COME IN 3'-0" CELL LENGTHS
2. GABION SHALL BE FILLED WITH 5"ø CLEAN WASHED STONE.

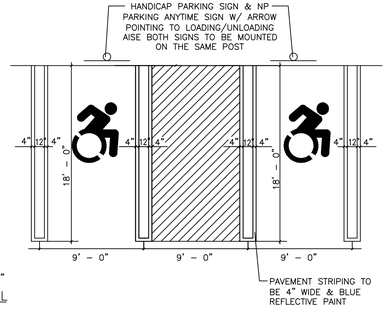
GABION DETAIL
(NOT TO SCALE)



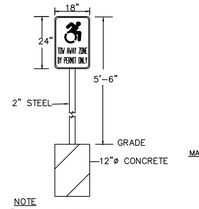
NOTE
THE HANDICAP SIGNS SHALL STATE "BY PERMIT ONLY"

TYPICAL PAVEMENT STRIPING DETAIL
N.T.S.

STRIPING DETAIL



TYPICAL HANDICAP PARKING PAVEMENT STRIPING DETAIL
N.T.S.



NOTE
"HANDICAPPED BY PERMIT ONLY" SIGN TO BE FACING THE HANDICAPPED PARKING SPACE.

HANDICAP SIGN DETAIL
N.T.S.

STANDARD COUNTY NOTE:

NO SITE PREPARATION ION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW

MONUMENTATION ; WHERE A PARCEL ABUTTING THE COUNTY HIGHWAY IS SUBDIVIDED , THE OWNER/APPLICANT SHALL BE REQUIRED TO PROVIDE PERMANENT MONUMENTATION OF THE HIGHWAY BOUNDARY IN A MANNER ACCEPTABLE TO THE COMMISSIONER OF PUBLIC WORKS OR HIS REPRESENTATIVE. WE REQUIRE THAT MONUMENTS BE SET AT THE MAJOR COMERS. MONUMENTATION SHALL BE INSTALLED BY A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN NEW YORK STATE

SEE THE ATTACHED PRECAST SURVEY CONCRETE MONUMENT CUT SHEET WITH SPECIFICATIONS, AND APPROVED EQUAL IS ACCEPTABLE, ONLY AFTER IT HAS BEEN SUBMITTED FOR REVIEW AND APPROVAL BY ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS. THE PRECAST MONUMENT IS REQUIRED TO HAVE THE PROPERTY CORNER SCRIBED IN THE SURFACE OF THE CONCRETE MONUMENT.

MAINTENANCE AND PROTECTION OF TRAFFIC

ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE IN PLACE PRIOR TO COMMENCING ANY WORK WITHIN THE COUNTY RIGHT OF WAY.

THE MORE STRINGENT SIGN REQUIREMENTS OF ORANGE COUNTY SUPERSEDE ANY MUNCIPAL REQUIREMENTS.

THE FOLLOWING SIGNS ARE REQUIRED TO BE PLACED IN EACH DIRECTION WHEN ONE LANE IS CLOSED TO PERFORM THE WORK: ROAD WORK 1500 FT, ROAD WORK 1000 FT, ROAD WORK 500 FT, ONE LANE ROAD AHEAD , FLAGGER SYMBOL ON EACH APPROACH WHEN TAKING A TRAVEL LANE AS PER ORANGE COUNTY REQUIREMENTS.

THE FOLLOWING SIGNS ARE REQUIRED WHEN WORK IS PERFORMED ON THE SHOULDER: ROAD WORK 1500 FT, ROAD WORK 1,000 ROAD WORK 500 FT, NO SHOULDER AS PER ORANGE COUNTY REQUIREMENTS. FLAGGER SYMBOLS ARE REQUIRED TO BE AVAILABLE FOR A NO SHOULDER WORK ZONE IN CASE FLAGGERS ARE USED TO DIRECT TRAFFIC.

ALL CONSTRUCTION SIGNAGE IS REQUIRED TO MEET THE REQUIREMENTS AS PER THE "NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND NYS SUPPLEMENT LATEST EDITION AND REVISIONS. THE CONSTRUCTION SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS OR ON WIND-MASTERS AND COVERED AND UNCOVERED ON A DAILY BASIS. THE CONTRACTOR MUST HAVE ALL THE NECESSARY CONSTRUCTION SIGNS TO PERFORMANCE THE WORK SAFELY.

ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE 730-05.02 – ASTM TYPE III (CLASS B) AS PER NYS STANDARD SPECIFICATIONS: CONSTRUCTION AND MATERIALS. HI-INTENSITY REFLECTIVE SHEETING OFTEN REFERRED TO AS HIGH INTENSITY. WORK ZONE IS REQUIRED TO BE PROPERLY DELINEATED WITH CONES AND/OR CONSTRUCTION BARRELS.

ORANGE COUNTY RESERVES THE RIGHT TO PRECLUDE ALL WORK AND LANE CLOSURES DURING ANY INCLEMENT WEATHER OR OTHER UNFORESEEN CIRCUMSTANCES (I.E. WET, ICY CONDITIONS, REDUCED VISIBILITY, TRAFFIC ACCIDENTS ON STATE, COUNTY, TOWN OR VILLAGE ROAD, OR OTHER EMERGENCIES).

NO LANES CLOSURES WILL BE PERMITTED FROM 12 NOON PRIOR TO A HOLIDAY AND UNTIL 10 AM THE DAY AFTER THE HOLIDAY. FLAGGERS SHALL NOT CONTROL MORE THAN ONE APPROACH AT ANYTIME THROUGHOUT THE DURATION OF THE WORK ZONE. ADDITIONAL IONAL FLAGGERS ARE REQUIRED TO CONTROL ALL APPROACHES IN A WORK ZONE.

ALL CONSTRUCTION PERSONNEL ARE REQUIRED TO WEAR HARD HATS AND SAFETY VESTS. EIGHTEEN (18) INCH STOP AND SLOW PADDLES ARE REQUIRED TO DIRECT TRAFFIC.

TWO WAY RADIOS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE WITH EACH OTHER.

ALL OF THE NECESSARY MEANS ARE REQUIRED TO BE ON SITE TO PROPERLY COMPACT ALL TRENCHES OR EARTHWORK WITHIN THE COUNTY RIGHT OF WAY ON A DAILY BASIS.

- –VIBRATORY TRENCH ROLLER; PRIMARY COMPACTION EQUIPMENT
- –JUMPING JACK COMPACTOR; SECONDARY COMPACTION EQUIPMENT FOR USE IN TIGHT AREAS, WHERE THE VIBRATORY TRENCH ROLLER CANNOT BE USED
- –ASPHALT ROLLER IS REQUIRED TO COMPACT ASPHALT FOR ANY PAVING INSTALLED IN THE COUNTY RIGHT OF WAY.

ASPHALT RESTORATION:

ALL PAVEMENT IS REQUIRED TO BE RESTORED ON A DAILY BASIS.

RAGGED TRENCH EDGES MUST SAW CUT PRIOR TO ANY PAVING (TEMPORARY OR PERMANENT).

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE 5" OF BINDER COURSE FLUSH WITH THE EXIST EXISTING PAVEMENT SURFACE THROUGHOUT THE DURATION OF THE PROJECT. FINAL ASPHALT RESTORATION IS TO BE COMPLETED AT THE COMPLETION OF THE PROJECT.

ALL TEMPORARY ASPHALT IS REQUIRED TO BE FIVE (5) INCHES THICK AND PLACED IN TWO (2) LIFTS OF 2 YI INCHES.

ALL EDGES OF EXISTING ASPHALT ARE REQUIRED TO BE SWEPT AND TACK COATED PRIOR TO PAVING.

ALL ASPHALT IS REQUIRED TO BE SAW CUT PARALLEL OR PERPENDICULAR TO THE TRENCH OR TO THE EXISTING ASPHALT. NO RAGGED EDGES ARE ACCEPTABLE.

ALL SAW CUTTING IS REQUIRED TO BE PERFORMED PRIOR TO PLACING ASPHALT BINDER. MILLING OUT THE JAGGED EDGES ON THE TOP COURSE OR FINAL ASPHALT IS NOT ACCEPTABLE BY ORANGE COUNTY.

ALL ASPHALT JOINTS ARE REQUIRED TO BE CRACK SEALED UPON COMPLETING FINAL PAVING.

LANDSCAPING:

NO PLANTINGS (SHRUBS/TREES) OR LANDSCAPING FEATURES (GATES, FENCES, STONE PILLARS, STONE WALLS, SIGNS, ETC.) SHALL BE PLACED WITHIN THE COUNTY RIGHT OF WAY.

ALL DISTURBED AREAS ARE TO BE GRADED , SEEDED, AND STRAWED ON A DAILY BASIS.

UTILITIES:

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A VERTICAL SEPARATION OF 18 INCHES. BETWEEN EXISTING UTILITIES AND ANY PROPOSED UTILITIES.

GENERAL NOTES:

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS, GUIDE RAILS, GUIDE POSTS, CULVE1T PIPES, MAILBOXES, HEADWALLS, ETC. WHICH MUST BE REMOVED FOR CONSTRUCTION. CONTRACTOR SHALL REINSTALL ANY REMOVED ITEMS ON A DAILY BASIS. ANY ITEMS DAMAGED BY REMOVAL OR REINSTALLATION SHALL BE REPLACED AND REINSTALLED BY THE CONTRACTOR WITH A NEW ITEM.

NO UTILITY WORK (WATER, SEWER STORM DRAINAGE) IS ALLOWED TO BE PERFORMED BETWEEN NOVEMBER 15 AND MARCH 15 WITHIN THE COUNTY RIGHT OF WAY.

NO TRACK EQUIPMENT IS ALLOWED ON THE COUNTY ROAD WITHOUT PLACING MATS, PLYWOOD, TIRES, ETC. TO PROTECT THE ASPHALT ROAD.

NO OPEN TRENCHES ARE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL OPEN TRENCHES ARE REQUIRED TO BE BACKFILLED ON A DAILY BASIS.

NO ROAD PLATES ARE ALLOWED TO BE USED OVERNIGHT. ROAD PLATES ARE ONLY ALLOWED TO BE USED DURING DAILY OPERATIONS TO MAINTAIN TRAFFIC ON THE ROADWAY AND AT RESIDENTIAL/COMMERCIAL DRIVEWAYS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER COORDINATION WITH HOMEOWNERS AND BUSINESSES TO ENSURE THAT THEY CAN ENTER AND EXIT THEIR DRIVEWAYS DURING THE COURSE OF DAY TO DAY OPERATIONS.

GRADING & DRAINAGE:

A. ALL DITCHES AND SWALES ARE REQUIRED TO BE REGRADED TO ENSURE POSITIVE DRAINAGE UPON COMPLETION OF THE INSTALLATION OF THE PROPOSED CULERT PIPE. NO EXISTING DRAINAGE CHANNEL, SWALE, DITCH, STREAM OR STRUCTURE AFFECTING THE COUNTY ROAD SHALL BE BLOCKED OR FILLED. NOR THE FLOW TO OR FROM AN EXISTING DRAINAGE CHANNEL, SWALE, DITCH STREAM, OR STRUCTURE BE MADE WITHOUT AN APPROVED DESIGN.

ALL DISTURBED AREAS ARE TO BE GRADED, SEEDED, AND STRAWED ON A DAILY BASIS.

PROVIDE A TYPICAL CROSS SECTION WITH DIMENSIONS FOR THE PROPOSED SWALES, INCLUDE RESTORATION REQUIREMENTS (I.E. RIP RAP LINED SWALE, JUTE MAT, SEED AND MULCH).

BACKFILL MATERIALS:

ALL BACKFILL REQUIRED TO BE PLACED AND COMPACTED IN 12 LIFTS MAXIMUM.

PROVIDE CROSS SECTION DETAILS FOR BACKFILL REQUIREMENTS WITHIN THE ASPHALT, WITHIN 8 FEET OF THE EDGE OF PAVEMENT AND 8 FEET BEYOND THE EDGE OF PAVEMENT.

DRY K-CRETE SHALL BE USED AT ALL ROAD CROSSINGS (TOWN ROADS), COMMERCIAL ENTRANCES, AND ALL TRENCHES WITHIN THE ASPHALT OR AS DIRECTED BY THE ORANGE COUNTY INSPECTOR.

ITEM NO. 4: ITEM 304.12 SUBBASE COURSE TYPE 2 IS REQUIRED TO BE USED AS BACKFILL FROM EDGE OF PAVEMENT OUT EIGHT FEET.

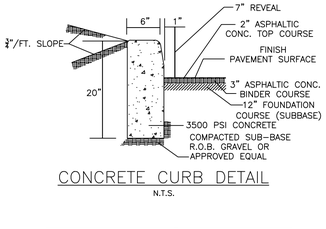
EXCAVATED MATERIAL IS ALLOWED TO BE USED AS BACKFILL MATERIAL BEYOND 8 FEET FROM THE EDGE OF PAVEMENT. NO BOULDERS/ROCKS OVER 6 INCHES ARE ALLOWED TO BE USED AS BACKFILL.

MATERIAL TICKETS ARE REQUIRED TO BE PROVIDED TO THE ORANGE COUNTY INSPECTOR ON A DAILY BASIS FOR ALL MATERIAL USED IN THE COUNTY RIGHT OF WAY.

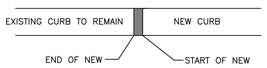


CHARGING STATION PICTURE
N.T.S.

SEE M.E.P SET FOR SPECIFICATIONS AND DETAILS ON CHARGING STATION

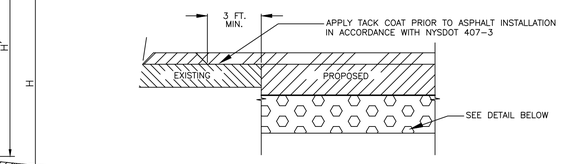


CONCRETE CURB DETAIL
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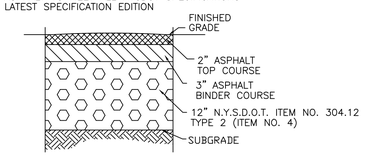
TIE TO EXISTING CURB DETAIL

CONCRETE CURB DETAIL
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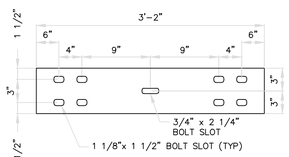


PAVEMENT CONNECTION DETAIL
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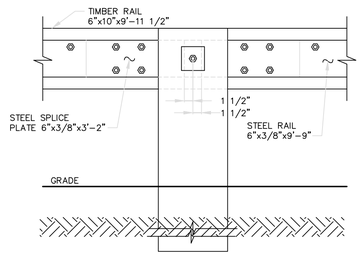
NOTE:
ASPHALT TO MEET ALL NYSDOT SPECIFICATIONS LATEST SPECIFICATION EDITION



PAVEMENT DETAIL
N.T.S.



STEEL SPLICE PLATE



ELEVATION

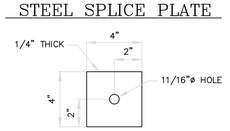
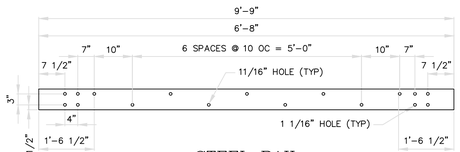
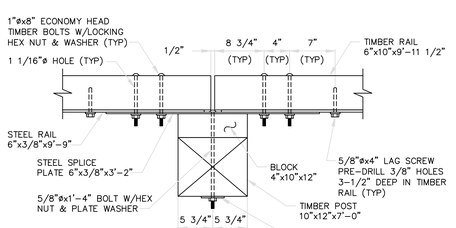


PLATE WASHER



STEEL RAIL

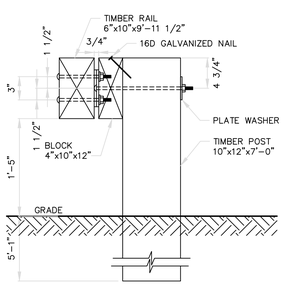


PLAN

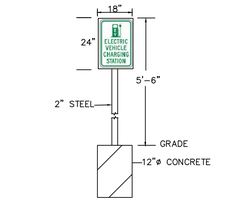
NOTES:
1. ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO M223 (ASTM A572), GRADE 345.
2. ALL FASTENER HARDWARE SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A449.
3. TIMBER RAILS AND POSTS SHALL BE PRESSURE TREATED LUMBER.
4. STEEL SPLICE PLATE NOT REQUIRED ON END POSTS.
5. ALL STRUCTURAL STEEL SHALL BE GALVANIZED PER AASHTO M111.
6. TIMBER GUIDE RAIL OR APPROVED EQUAL SHALL BE INSTALLED ALONG DRIVEWAY AS INDICATED ON PLAN.

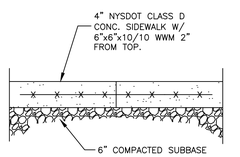
TIMBER GUIDE RAIL DETAIL
(NTS)



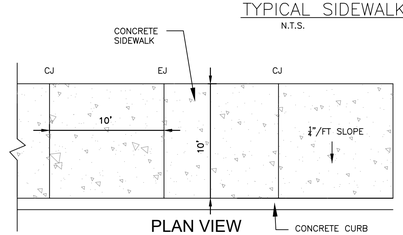


SIDE ELEVATION





TYPICAL SIDEWALK DETAIL
N.T.S.



TYPICAL DROP CURB SIDEWALK ACCESS RAMP DETAIL
N.T.S.

#	DESCRIPTION	DATE
1	BID SET	11/18/22

REVISION SCHEDULE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 103
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
M.E.P. CONSULTANT	FELLENZER
FOODSERVICE CONSULTANT	

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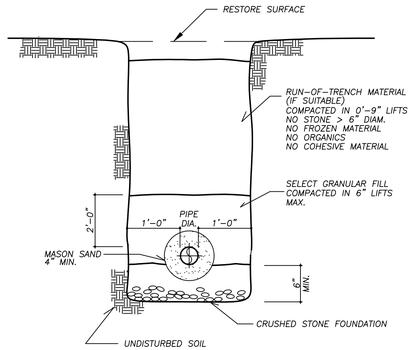
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

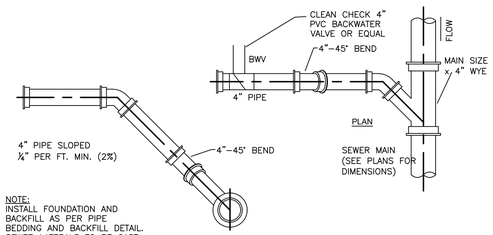
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CHECKED BY:	MD
APPROVED:	SMH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

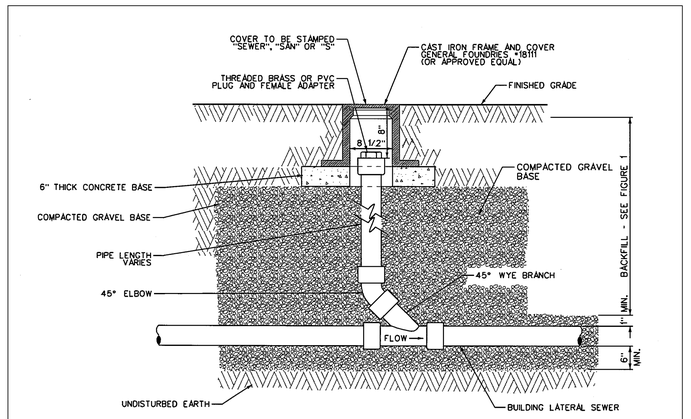
SHEET NUMBER
D101



TRENCH RESTORATION DETAIL
N.T.S.



SANITARY SEWER LATERAL DETAIL
N.T.S.

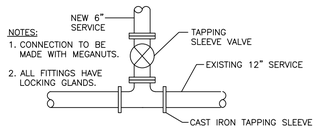


NOTES:

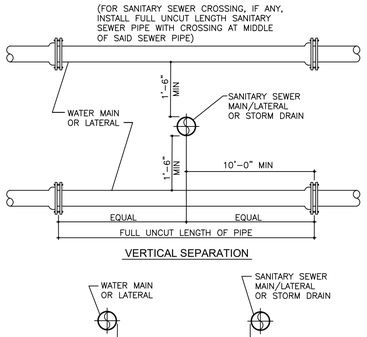
1.) EACH BUILDING LATERAL SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION. THEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING LATERAL SEWER APPROXIMATELY EVERY 100' (MAXIMUM). FOR THE PURPOSE OF CLEANOUT LOCATIONS, DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE BUILDING PIPE TO BUILDING LATERAL SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE BUILDING LATERAL SEWER TO THE CENTER OF THE SEWER MAIN LINE (GENERALLY LOCATED IN THE CENTER OF THE STREET).

2.) A CLEANOUT LOCATED IN A ROAD, DRIVEWAY OR PARKING AREA SHALL REQUIRE A CAMBELL FOUNDRY #4164 CAST IRON FRAME AND COVER (OR APPROVED EQUAL)

FIGURE 4: BUILDING LATERAL SEWER CLEANOUT (C.O.)
N.T.S.



TAPPING SLEEVE & VALVE DETAIL
N.T.S.



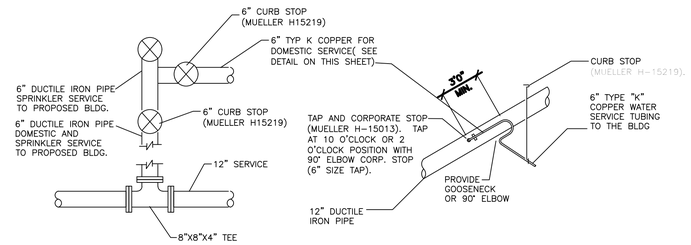
VERTICAL SEPARATION

HORIZONTAL SEPARATION

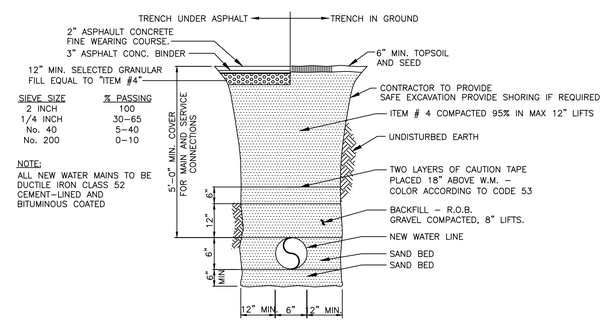
NOTE: NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE ORANGE COUNTY DEPARTMENT OF HEALTH.

SEPERATION DETAIL

NOTE:
SEWAGE SPECIFICATIONS, DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER A252 OF TOWN CODE, A252-2 MATERIALS.



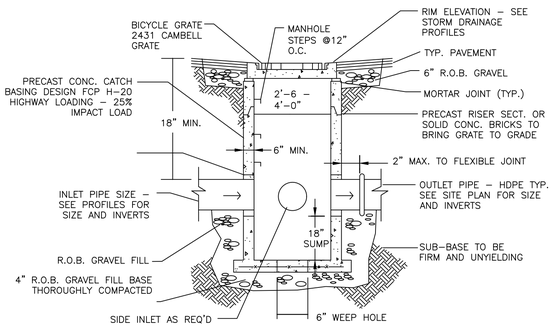
WATER SERVICE CONNECTION
N.T.S.



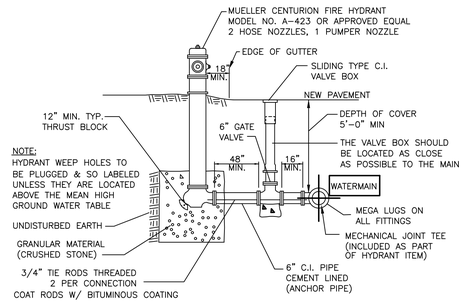
SIEVE SIZE	% PASSING
2 INCH	100
1/4 INCH	30-65
No. 40	5-40
No. 200	0-10

NOTE:
ALL NEW WATER MAINS TO BE DUCTILE IRON CLASS 52 CEMENT-LINED AND BITUMINOUS COATED

TYP. WATER MAIN & TRENCH DETAIL
N.T.S.

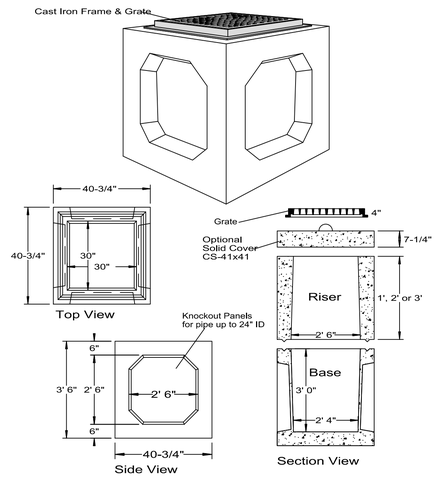


TYP. CATCH BASIN DETAIL
N.T.S.



NOTES
1. ALL FLANGES ON FIRE HYDRANT LEG TO BE MECHANICAL JOINT RETAINING TYPE OF FLANGES
2. THE USE OF CONCRETE THRUST BLOCKS FOR THE PURPOSE OF RESTRAINING HYDRANTS, TEES & ELBOWS IS PROHIBITED. ONLY RESTRAINING GLANDS OR TIE RODS, OR BOTH MAYBE USED AT CHANGES OF DIRECTION FOR FIRE HYDRANTS AND WATER MAINS.

RE-LOCATED FIRE HYDRANT ASSEMBLY - COMPLETE



SPECIFICATIONS	PRECAST CATCH BASIN MODEL CB-30X30
Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: #4 Rebar / ASTM A615 Air Entrainment: 5% Construction Joint: Butyl Rubber Sealant Weights: Base = 2,200 lbs, Riser = 950 lbs/vf Load Rating: H20 / ASTM C857	

#	REVISION SCHEDULE DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
100 Troy-Schenectady Road
Suite 103
Latham, NY 12110
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M.E.P. CONSULTANT	FELLENZER PE
FORENSIC CONSULTANT	

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

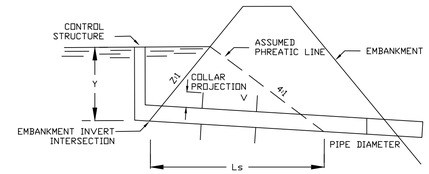
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DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

22 WELLS FARM RD.
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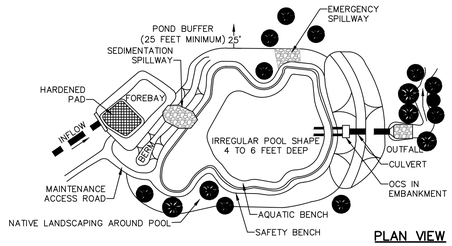
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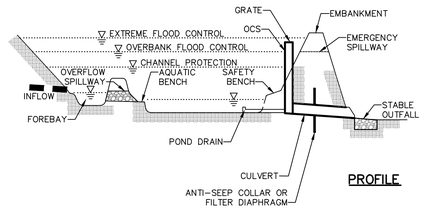


ANTI SEEP COLLAR

N.T.S.



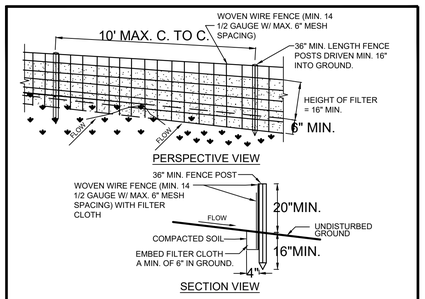
PLAN VIEW



PROFILE

WET POND

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES, POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 , 6" MAXIMUM MESH OPENING
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	SILT FENCE

TEMPORARY SEEDING SPECIFICATIONS

AREAS REMAINING DISTURBED FOR 20 DAYS OR MORE SHALL BE STABILIZED AS FOLLOWS:

1. SCARIFY SOILS IF COMPACTED.
2. LIME TO pH OF 6.0 IF REQUIRED.
3. FERTILIZE WITH 600 LBS/ACRE 5-10-10 FERTILIZER IF REQUIRED.
4. SEED WITH SPECIES AND RATE SHOWN BELOW.
5. MULCH WITH HAY OR STRAW AT A RATE OF 200 LBS/ACRE.
6. ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF SLOPE IS STEEP OR HAS A HIGH POTENTIAL FOR EROSION.

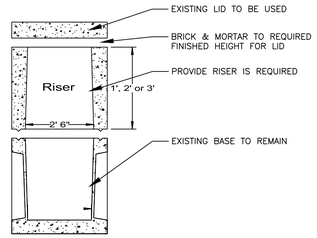
SPECIES	APPLICATION RATE
RYE GRASS (ANNUAL OR PERENNIAL)	30 LBS/ACRE
USE WINTER RYE IF SEEDING IN OCTOBER OR NOVEMBER	.7 LBS/1000 SQUARE FEET

PERMANENT SEEDING MIXTURES:

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS	
SPECIES	APPLICATION RATE
EMPIRE BIRDSFOOT TREFOIL	8 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
RYE GRASS	5 LBS/ACRE
GENERAL RECREATION AREAS AND LAWNS:	
SUNNY SITES (WELL, MODERATELY WELL AND SOMEWHAT POORLY DRAINED SOILS)	
SPECIES	APPLICATION RATE
65% KENTUCKY BLUEGRASS BLEND	85-114 LBS/ACRE
20% PERENNIAL RYE GRASS	26-35 LBS/ACRE
15% FINE FESCUE	19-26 LBS/ACRE
SUNNY DROUGHTY SITES (SOMEWHAT TO EXCESSIVELY DRAINED SOILS)	
SPECIES	APPLICATION RATE
65% FINE FESCUE	114-143 LBS/ACRE
15% PERENNIAL RYE GRASS	26-33 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND	35-44 LBS/ACRE
SHADY DRY SITES (WELL TO SOMEWHAT POORLY DRAINED SOILS)	
SPECIES	APPLICATION RATE
80% SHADE TOLERANT KENTUCKY BLUE BLEND	105-138 LBS/ACRE
20% PERENNIAL RYE GRASS	25-37 LBS/ACRE
SHADY WET SITES (SOMEWHAT POOR TO POORLY DRAINED SOILS)	
SPECIES	APPLICATION RATE
70% ROUGH BLUEGRASS	60-91 LBS/ACRE
80% SHADE TOLERANT KENTUCKY BLUE BLEND	25-39 LBS/ACRE

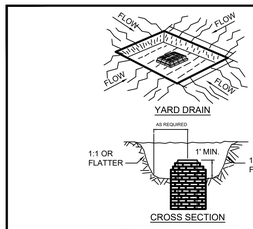
SEEDING SPECIFICATIONS

N.T.S.



RAISING GRADE ON EXISTING CATCH BASIN

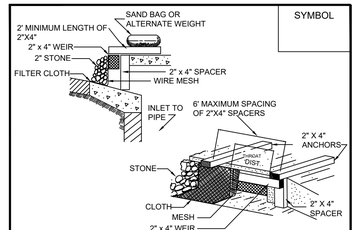
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
2. THE VOLUME OF SEDIMENT STORAGE SHALL BE 1800 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
6. ALL CUT SLOPES SHALL BE 1:1 OR FLATTER
   MAXIMUM DRAINAGE AREA: 3 ACRES

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	CATCH BASIN SEDIMENT TRAP ST-III



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT.IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" X 4" WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING across THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	CURB DROP INLET PROTECTION

PLANTING SCHEDULE WET POND AREA			
SYMBOL:	SCIENTIFIC NAME:	COMMON NAME:	NUMBER:
	CATTAIL	TYPHA SP.	7
	ARROW ARUM	PELTANDRA VIRGINICA	7
	BLUE FLAG IRIS	IRIS VERSICOLOR	7
	BUSHY BEARDGRASS	ANDROPOGON GLOMERATUS	6
	MARSH HIBISCUS	HIBISCUS MOSCHEUTOS	6
	SWEET FLAG	ACORUS CALAMUS	6
	WOOL GRASS	SCIRPUS CYPERINUS	6

PLANTS TO BE SPACED IN A 2 PLANTS EVERY 8 FEET FOR A TOTAL OF 90 PLANTS.

WET POND DATA		
	BASIN OUTLET STRUCTURE	OCS
A	INVERT OF OUTLET STRUCTURE	475.65
B	OUTLET STRUCTURE DIMENSIONS (OUTSIDE)	42" x 60"
C	TOP OF OUTLET STRUCTURE ELEVATION	479.65
D	BOTTOM OF STRUCTURE ELEVATION	475.15
E	CULVERT: DIAMETER/INVERT ELEVATION	8" 478
F	BASIN SURFACE ELEVATION	478
G	FIBERGLASS GRATE DIMENSION	42" x 60"
H	POND DRAIN INVERT ELEVATION	478
I	UNDERDRAIN SYSTEM LENGTH	N/A
J	TOP OF PERIMETER BERM	482
K	EMERGENCY SPILLWAY: ELEVATION	481.0
	LENGTH x WIDTH	20'x8'
	DEPTH	12"

** PLANTING SOIL SHALL BE A SANDY LOAM, LOAMY SAND, LOAM OR A LOAM/SAND MIX (CONTAINING 60-70% SAND, BY VOLUME). THE CLAY CONTENT FOR THESE SOILS SHALL BE LESS THAN 5% BY VOLUME. SOILS SHALL FALL WITHIN THE SM, OR ML CLASSIFICATIONS OF THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS). A PERMEABILITY OF AT LEAST 1.0 FEET PER DAY (0.5"/HOUR) IS REQUIRED. THE SOIL SHALL BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER AND BRUSH OR SEEDS FROM NOXIOUS WEEDS. PLACEMENT OF THE PLANTING SOIL SHALL BE IN LIFTS OF 12" TO 18", LOOSELY COMPACTED (TAMPED LIGHTLY WITH A DOZER OR BACKHOE BUCKET).*

THE SOIL SPECIFICATIONS ARE AS FOLLOWS:

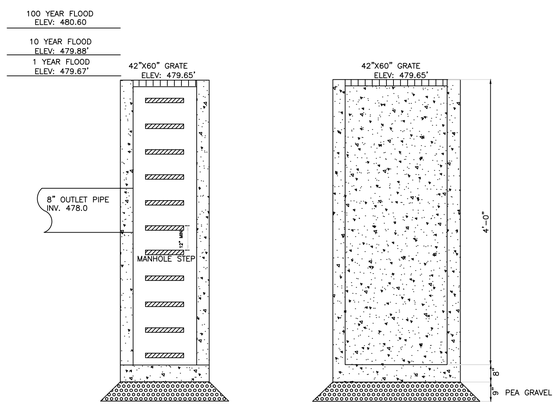
PARAMETER	*VALUE*
PH RANGE	*5.2 TO 7.0*
ORGANIC MATTER	*1.5 TO 4.0%*
MAGNESIUM	*35 lbs./ACRE, MIN.*
PHOSPHORUS	*75 lbs./ACRE, MIN.*
POTASSIUM	*85 lbs./ACRE, MIN.*
SOLUBLE SALTS	*500 PPM*
CLAY	*0 TO 5%*
SILT	*25 TO 40%*
SAND	*60 TO 70%*

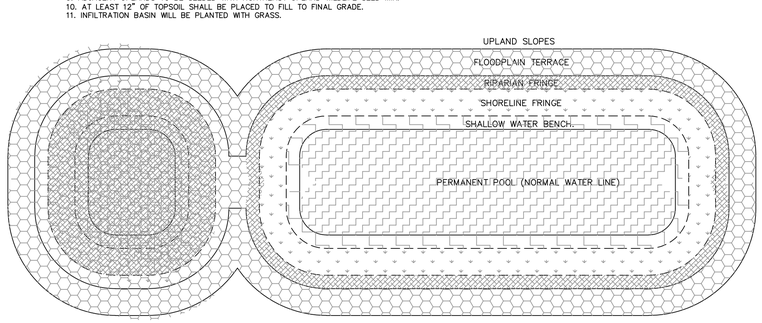
THE MULCH LAYER SHALL BE STANDARD LANDSCAPE STYLE SINGLE OR DOUBLE, SHREDDED HARDWOOD MULCH OR CHIPS. THE MULCH LAYER SHALL BE WELL AGED (STOCKPILE OR STORED FOR AT LEAST 12 MONTHS), AND FREE OF OTHER MATERIALS, SUCH AS WEED SEEDS, ROOTS, ECT.

AQUATIC PLANT & SEEDING MIX:

N.T.S.

NOTES:
1. NATIVE PLANT SPECIES MUST BE USED.
2. VEGETATION SHOULD BE SELECTED BASED ON HYDRIC TOLERANCE ZONES.
3. SPECIES LAYOUT SHOULD BE RANDOM AND NATURAL.
4. SPECIES NOTED ARE SUGGESTIONS ONLY. OTHER PLANTINGS CAN BE CONSIDERED WHERE AVAILABILITY ALLOWS.
5. ALL PLANTINGS SHALL BE PLACED IN ACCORDANCE WITH SPECIES REQUIREMENTS FOR DENSITY AND PROXIMITY.
6. SOIL AMENDMENTS AS REQUIRED WILL BE ACCOMPLISHED PRIOR TO PLANTING.
7. ADJACENT DISTURBED AREAS WILL BE SEEDED WITH ANNUAL RYE AT A RATE OF 1.5LBS/1,000 SQ. FT. IMMEDIATELY FOLLOWING FINAL GRADING.
8. 18" TO 24" POTTED SHRUBS AND SAPLINGS SHALL BE PLANTED IN SPRING OR FALL ON A 12' MATRIX. HERBACEOUS PLANTS WILL BE PLANTED ON A 4' MATRIX.
9. ADJACENT UPLANDS TO BE SEEDED WITH NORTHEAST UPLAND WILDLIFE SEED MIX.
10. AT LEAST 12" OF TOPSOIL SHALL BE PLACED TO FILL TO FINAL GRADE.
11. INFILTRATION BASIN WILL BE PLANTED WITH GRASS.





HYDRIC ZONES:
ZONE #1 - DEEP WATER POOL 1'-6" - PERMANENT POOL
ZONE #2 - SHALLOW WATER BENCH - 6" TO 1' DEEP
ZONE #3 - SHORELINE FRINGE - REGULARLY INUNDATED
ZONE #4 - RIPARIAN FRINGE - PERIODICALLY INUNDATED
ZONE #5 - FLOODPLAIN TERRACE - INFREQUENTLY INUNDATED
ZONE #6 - UPLAND SLOPES - SELDOM OR NEVER INUNDATED

ZONE #1 PLANTS:
SMARTWEED
DUCKWEED
WILD CELERY

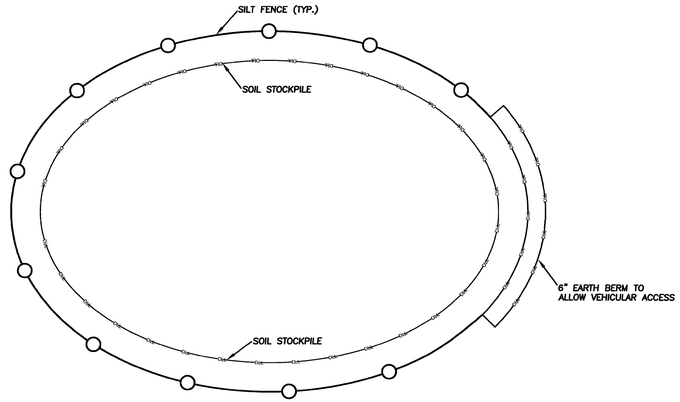
ZONE #2/3 PLANTS:
BURREED
BLUE FLAG IRIS
BROOMSEDGE
ARROW ARUM
BUSHY BEARDGRASS
WOOLGRASS:

ZONE #3/4/5 PLANTS:
WINTERBERRY
SLIPPERY ELM
SILKY DOGWOOD
BLACK WILLOW
RED CHOKE BERRY

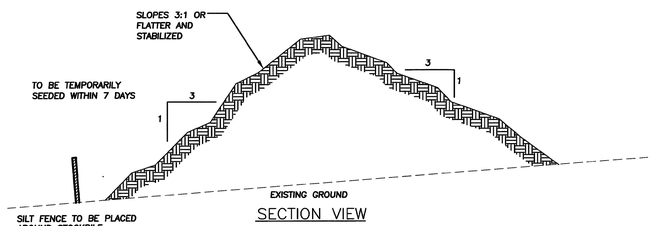
ZONE #4/5/6 PLANTS:
EASTERN RED CEDAR
SPECKLED ALDER
BIRDFOOT DEERVETCH
CARDINAL FLOWER

TYPICAL STORMWATER STRUCTURE PLANTING PLAN

N.T.S.



PLAN VIEW



SECTION VIEW

TOPSOIL STOCKPILE

NOT TO SCALE

#	REVISION SCHEDULE DESCRIPTION	DATE
1	BID SET	11/18/22

SEAL

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FP&S CONSULTANT: CLASSIC CONSULTING ENGINEERS & SURVEYORS, LLC
IT-SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
M&P CONSULTANT: FELLENZER PE
FORENSIC CONSULTANT:

ORANGE COUNTY, NEW YORK

SHEET TITLE: DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/1/22
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

D103

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

GENERAL NOTES

1. DESIGNED IN ACCORDANCE WITH THE 2020 NEW YORK STATE BUILDING CODE.
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 THE ARCHITECTURAL CONTRACT AND THE STRUCTURAL CONTRACT.
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. BRACE BUILDING UNTIL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: ROOF DECK, BRACING MEMBERS, SHEAR WALLS, AND MOMENT CONNECTIONS.
8. 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.
9. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE EXISTING UTILITIES.
10. COORDINATE NUMBER AND LOCATION OF ROOF DRAINS AND OPENINGS WITH ARCHITECTURAL AND MECHANICAL CONTRACTS.
11. DO NOT SUSPEND MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS FROM ROOF DECK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTS AND SPECIFICATIONS FOR HANGERS AND SUPPLEMENTAL FRAMING REQUIRED TO ATTACH THESE ITEMS TO THE MAIN ROOF FRAMING.
12. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY.

FOUNDATION NOTES

1. BEAR FOOTINGS ON FIRM UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL.
2. FOOTINGS HAVE BEEN DESIGNED FOR A SOIL BEARING PRESSURE OF 4000 psf. BEARING STRATUM FOR THIS CAPACITY SHALL BE VERIFIED IN FIELD BY A LICENSED GEOTECHNICAL ENGINEER BEFORE CASTING CONCRETE FOOTINGS.
3. UNLESS OTHERWISE NOTED, BOTTOM OF EXTERIOR FOOTINGS IS 4 FEET MINIMUM BELOW FINISH GRADE AND BOTTOM OF INTERIOR FOOTINGS IS 2 FEET MINIMUM BELOW SLAB. FOOTINGS MAY BE STEPPED DOWN OR LOWERED TO REACH AN ACCEPTABLE 4000 psf BEARING STRATUM AS DETERMINED BY GEOTECHNICAL ENGINEER.
4. SOIL BEARING SURFACES PREVIOUSLY ACCEPTED BY GEOTECHNICAL ENGINEER WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN, OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF GEOTECHNICAL ENGINEER.
5. WHERE FOOTING ELEVATIONS ARE LOWERED DUE TO SOIL CONDITIONS, LOWER ADJACENT FOOTINGS IN ELEVATION IN ORDER THAT RATIO OF CLEAR DISTANCE BETWEEN NEAREST EDGE OF FOOTINGS TO DIFFERENCE IN ELEVATION BETWEEN BOTTOMS OF FOOTINGS SHALL NOT EXCEED 2H:1V.
6. FOUNDATION PREPARATION: REFER TO SPECIFICATIONS FOR "EXCAVATION, BACKFILL, AND COMPACTION (BUILDING AREA)."
7. STRIP AND PROOF ROLL ENTIRE BUILDING AREA. PLACE AND COMPACT STRUCTURAL FILL TO REACH REQUIRED SUBGRADE LEVELS. VERIFY PROCEDURES WITH GEOTECHNICAL ENGINEER BEFORE BEGINNING. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
8. DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND.
9. DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE.
10. CENTER FOOTINGS UNDER WALLS, PIERS, AND COLUMNS UNLESS NOTED OTHERWISE.
11. WHERE REQUIRED, STEP NEW FOOTINGS UP OR DOWN IN RATIO OF TWO HORIZONTALS TO ONE VERTICAL TO JOIN EXISTING FOOTINGS.
12. CONCRETE WALLS SHALL ATTAIN A MINIMUM STRENGTH OF 70% f'c BEFORE PLACING BACKFILL AGAINST THEM.
13. WALLS THAT ARE TO BE BACKFILLED ON ONE SIDE ONLY MAY BE BACKFILLED UP TO 3 FEET ABOVE THE TOP OF FOOTING AFTER WALLS ATTAIN MINIMUM STRENGTH OF 70% f'c. REMAINING BACKFILL MAY NOT BE PLACED UNTIL TOP SLAB IS IN PLACE, SLAB ATTAINS MINIMUM STRENGTH OF 70% f'c, AND WALLS ATTAIN MINIMUM STRENGTH 100% f'c.
14. LOADING DOCK AND ELEVATOR WALLS THAT ARE TO BE BACKFILLED ON ONE SIDE ONLY SHALL BE BRACED UNTIL TOP SLAB IS IN PLACE AND CURED.

CONCRETE NOTES

1. REINFORCE CONCRETE ELEMENTS INCLUDING FOOTINGS, WALLS, PIERS, AND SLABS. REINFORCEMENT SHOWN PERTAINS TO TYPICAL CONDITIONS.
2. LAP SPLICE CONCRETE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE: USE CLASS B LAP SPLICES, UNLESS NOTED OTHERWISE.
3. LAP CONTINUOUS FOOTING AND HORIZONTAL WALL REINFORCEMENT WITH A CLASS B LAP SPLICE UNLESS NOTED OTHERWISE.
4. PROVIDE CORNER BARS IN FOOTINGS, THE SAME SIZE AND NUMBER AS CONTINUOUS REINFORCEMENT. PROVIDE CLASS B LAP SPLICE WITH MAIN REINFORCEMENT, BUT NOT LESS THAN 2'-0".
5. EXTEND REINFORCEMENT IN WALL FOOTINGS BETWEEN COLUMNS INTO COLUMN FOOTINGS WITH A MINIMUM EMBEDMENT EQUAL TO THE MINIMUM BAR DEVELOPMENT LENGTH.
6. PLACE TRANSVERSE REINFORCEMENT IN CONTINUOUS FOOTINGS WHERE SHOWN IN BOTTOM LAYER.
7. CAST STEPPED FOOTINGS MONOLITHICALLY.
8. DOWEL CONCRETE WALLS AND PIERS INTO FOOTINGS WITH DOWELS THE SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT. EXTEND DOWELS TO WITHIN 3 INCHES OF BOTTOM OF FOOTING, TERMINATED WITH ACI STANDARD 90 DEGREE HOOK. PROVIDE CLASS B LAP SPLICE WITH VERTICAL REINFORCEMENT UNLESS NOTED OTHERWISE.
9. AT INTERSECTIONS OF CONCRETE WALLS, PROVIDE CORNER BARS IN OUTER LAYER THE SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT AND PROVIDE A CLASS B LAP SPLICE WITH MAIN REINFORCEMENT, BUT NOT LESS THAN 2'-0". AT "T" INTERSECTIONS, PROVIDE CORNER BARS FROM EACH LAYER IN INTERSECTING WALL TO OUTER LAYER OF THROUGH WALL.
10. CAST CONCRETE PIERS IN CONCRETE WALLS MONOLITHICALLY WITH WALLS.
11. ALIGN FOUNDATION WALL CONSTRUCTION JOINTS WITH MASONRY WALL CONTROL JOINTS.
12. VERIFY SIZE AND LOCATION OF MECHANICAL OPENINGS.
13. PIPING, CONDUIT, AND DUCT PENETRATIONS THROUGH STRUCTURAL SLABS AND WALLS SHALL BE SLEEVED OR CHASED. NO CORE-DRILLING OF SLABS OR WALLS IS PERMITTED. PENETRATIONS ARE NOT PERMITTED THROUGH COLUMNS, PIERS, BEAMS, GRADE BEAMS, AND JOISTS.
14. MINIMUM BAR DEVELOPMENT LENGTH EQUALS CLASS A LAP LENGTH.
15. CHAMFER EXPOSED CONCRETE CORNERS AND EDGES 3/4 INCH UNLESS NOTED OTHERWISE.
16. CONCRETE COVER FOR REINFORCEMENT SHALL BE AS INDICATED IN THE CONCRETE COVER SCHEDULE.
17. PROVIDE FULL-HEIGHT DOVETAIL SLOT INSERTS IN CONCRETE WITH ABUTTING MASONRY. PLACE ANCHORS AT 16 INCHES ON CENTER VERTICALLY.
18. PROVIDE FULL-HEIGHT DOVETAIL SLOT INSERTS AT 16 INCHES ON CENTER HORIZONTALLY IN CONCRETE WALLS FACED WITH MASONRY. PLACE ANCHORS AT 16 INCHES ON CENTER VERTICALLY.

CONCRETE REINFORCEMENT LAP SPLICE SCHEDULE

BAR LAP LENGTHS, UNCOATED BARS
CLEAR COVER NOT LESS THAN TWO TIMES BAR DIAMETER
CLEAR SPACING NOT LESS THAN FOUR TIMES BAR DIAMETER

BAR SIZE	MINIMUM CLEAR COVER (INCH)	MIN SPACING CENTER TO CENTER (INCH)	CLASS B LAP NOT A TOP BAR (INCH)	CLASS B LAP TOP BAR (INCH)	CLASS A LAP NOT A TOP BAR (INCH)	CLASS A LAP TOP BAR (INCH)
#4	1	2 1/2	22	28	17	22
#5	1 1/4	3 1/8	27	35	21	27
#6	1 1/2	3 3/4	32	42	25	32

BAR LAP LENGTHS, UNCOATED BARS
CLEAR COVER NOT LESS THAN BAR DIAMETER
CLEAR SPACING NOT LESS THAN TWO TIMES BAR DIAMETER

BAR SIZE	MINIMUM CLEAR COVER (INCH)	MIN SPACING CENTER TO CENTER (INCH)	CLASS B LAP NOT A TOP BAR (INCH)	CLASS B LAP TOP BAR (INCH)	CLASS A LAP NOT A TOP BAR (INCH)	CLASS A LAP TOP BAR (INCH)
#4	1/2	1 1/2	29	37	22	29
#5	5/8	1 7/8	36	46	28	36
#6	3/4	2 1/4	43	56	33	43

NOTES FOR SCHEDULE:

1. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH OR SPLICE.
2. USE CLASS B LAP SPLICES, UNLESS NOTED OTHERWISE.
3. FOR COVER AND SPACING DIMENSIONS WHICH ARE IN BETWEEN THE TABULATED VALUES, DO NOT INTERPOLATE, INSTEAD USE THE LONGER LAP LENGTH.
4. CALCULATE CENTER TO CENTER SPACING DIMENSIONS OF BARS AT SPLICE LOCATIONS.
5. FOR EPOXY COATED BARS MODIFY THE TABULATED LAP LENGTHS AS FOLLOWS:
   A. FOR TOP BARS AND BARS WHICH ARE NOT A TOP BAR WITH A CLEAR COVER OF GREATER THAN OR EQUAL TO 3 TIMES THE BAR DIAMETER AND CLEAR SPACING GREATER THAN OR EQUAL TO 6 TIMES THE BAR DIAMETER, MULTIPLY THE TABULATED LENGTH BY 1.2.
   B. FOR BARS WHICH ARE NOT A TOP BAR, WITH A CLEAR COVER LESS THAN 3 TIMES THE BAR DIAMETER AND CLEAR SPACING LESS THAN 6 TIMES THE BAR DIAMETER, MULTIPLY THE TABULATED LENGTH BY 1.5.
   C. FOR TOP BARS, WITH A CLEAR COVER LESS THAN 3 TIMES THE BAR DIAMETER AND CLEAR SPACING LESS THAN 6 TIMES THE BAR DIAMETER, MULTIPLY THE TABULATED LENGTH FOR TOP BARS BY 1.3.

CONCRETE COVER SCHEDULE

LOCATION	COVER
FOOTINGS POURED AGAINST EARTH:	3"
SURFACE EXPOSED TO WEATHER OR EARTH (INCLUDING SURFACES OR FOUNDATION WALLS COVERED WITH WATERPROOFING MEMBRANE AND/OR INSULATION): BARS LARGER THAN #5 #5 BARS OR SMALLER	 2" 1 1/2"
SURFACES NOT EXPOSED TO WEATHER OR EARTH: SLABS AND WALLS BEAMS, GIRDERS, PIERS, AND COLUMNS	 3/4" 1 1/2"
BETWEEN BARS AND EMBEDDED ITEMS: IN CONCRETE ELEMENTS EXPOSED TO WEATHER OR EARTH IN CONCRETE ELEMENTS NOT EXPOSED TO WEATHER OR EARTH	 1 1/2" 3/4"

SLAB ON GRADE NOTES

1. SUBGRADE BELOW SLAB ON GRADE SHALL BE REVIEWED AND ACCEPTED BY GEOTECHNICAL ENGINEER BEFORE CONCRETE SLAB PLACEMENT.
2. PROVIDE PROTECTION FROM PRECIPITATION AND EXCESSIVE COLD TEMPERATURES FOR THE VAPOR RETARDER AND SLAB SUBBASE PRIOR TO SLAB-ON-GRADE PLACEMENT. SUBBASE MUST BE DRY AND NOT FROZEN AT THE TIME OF SLAB PLACEMENT.
3. DO NOT PLACE SLABS ON FROZEN GROUND. IF SUBGRADE OR SUBBASE ARE FROZEN AFTER PREPARATION, THEY SHALL BE THAWED THEN RE-COMPACTED AND RETESTED FOR COMPACTION PRIOR TO SLAB PLACEMENT, AT THE EXPENSE OF THE CONTRACTOR.
4. PROVIDE PROTECTION FOR THE SLAB ON GRADE FROM DIRECT EXPOSURE TO THE SUN, WIND, PRECIPITATION, AND EXCESSIVE COLD OR HOT TEMPERATURES STARTING DURING PLACEMENT AND LASTING UNTIL THE END OF THE CURING PERIOD. DO NOT ALLOW GROUND BENEATH SLABS TO FREEZE.
5. PRIOR TO SLAB PLACEMENT, SUBMIT FOR INFORMATION ONLY A WRITTEN PROTECTION PROGRAM FOR THE VAPOR RETARDER, SLAB SUBBASE, AND SLAB ON GRADE.
6. SLAB JOINTS ARE REQUIRED WHERE SHOWN ON PLAN. WHERE JOINTS ARE NOT SHOWN, SEE OPTION FOR SLAB PLACEMENT IN DIVISION 3 SPECIFICATIONS.
7. PROVIDE A SQUARE EDGE FORM JOINT FOR CONSTRUCTION JOINTS AND A SAW-CUT JOINT FOR CONTRACTION JOINTS IN SLABS ON GRADE. SUBMIT JOINT LAYOUT TO THE ENGINEER FOR REVIEW.
8. REINFORCE SLABS AS NOTED ON DRAWINGS. AT PERIMETER OF SLABS, LOCATE REINFORCING 3 INCHES FROM SLAB EDGES. CONTINUE 50 PERCENT OF SLAB REINFORCEMENT THROUGH CONSTRUCTION AND CONTRACTION JOINTS.
9. PROVIDE ONE #4 BAR, 4 FEET LONG, DIAGONAL AT CORNERS AND OPENINGS IN SLABS ON GRADE.
10. THICKEN SLABS ON GRADE TO 8 INCHES AND REINFORCE AS SHOWN ON DETAIL / UNDER NONBEARING MASONRY WALLS (6 INCHES THICK OR OVER) WHERE THE WALL HEIGHT EXCEEDS 12 FEET, AND UNDER STAIR STRINGER BEARINGS. COORDINATE REQUIRED LOCATIONS WITH ARCHITECTURAL DRAWINGS.
11. SEE ARCHITECTURAL CONTRACT FOR EXACT LOCATIONS AND DETAILS OF DEPRESSED SLABS.
12. VERIFY SIZE AND LOCATION OF PLATFORMS, CURBS, OR PADS WITH MECHANICAL CONTRACTOR.
13. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

MASONRY NOTES

1. MASONRY WALLS SHALL HAVE STANDARD WEIGHT JOINT REINFORCEMENT EVERY SECOND COURSE AND TOP TWO COURSES UNLESS NOTED OTHERWISE. PROVIDE LADDER TYPE JOINT REINFORCING FOR REINFORCED MASONRY WALLS. LAP SPLICE JOINT REINFORCEMENT A MINIMUM OF 6 INCHES, TYPICALLY. USE PREFABRICATED CORNERS AND TEES.
2. PROVIDE BOND BEAM AT TOPS OF WALLS.
3. NON-LOAD BEARING PARTITIONS SHALL NOT BE BUILT TIGHT TO STRUCTURE ABOVE. LEAVE GAP BETWEEN TOP OF PARTITION AND STRUCTURE, AND BRACE TOP OF PARTITION AS INDICATED ON DRAWINGS.
4. STRUCTURAL DRAWINGS DO NOT SHOW FLASHINGS, WEEPS, AND DRIPS; HOWEVER, THEY ARE ESSENTIAL TO MAINTAINING THE WATER TIGHTNESS OF THE BUILDING AND PROTECTION OF THE FRAMING. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILS AND INFORMATION.
5. VENEER ANCHORS, TIES, WEEPS, AND FLASHING ARE INDICATED ON THE ARCHITECTURAL DRAWINGS AND IN THE SPECIFICATIONS UNLESS DETAILED OR NOTED OTHERWISE.

MASONRY REINFORCEMENT LAP SPLICE SCHEDULE

BAR LAP LENGTHS IN CMU WITH f'm = 2,000 psi

LOCATION	#4	#5	#6
(1) BAR AT CENTER OF 8" CMU CORE OR BOND BEAM	12"	20"	30"
(2) BARS IN 8", 10", 12" CMU BOND BEAM (SEE NOTE BELOW)	22"	34"	48"

NOTE:
LOCATE REINFORCING BARS 3/4" CLEAR FROM INSIDE FACE OF SHELL (EXCEPT CENTER REINFORCING IN BOND BEAM DETAILED TO HAVE ONLY ONE BAR).

LINTEL NOTES

1. COORDINATE WALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL CONTRACT. NOT ALL OPENINGS ARE SHOWN IN THE STRUCTURAL CONTRACT.
2. FOR OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED, INCLUDING DOORS, WINDOWS, AND MECHANICAL OPENINGS, MINIMUM LINTELS SHALL BE (FOR EACH 4 INCHES OF MASONRY WIDTH) ONE L3 1/2x3 1/2x5/16 FOR SPANS UP TO 4 FEET; ONE L4x3 1/2x5/16 (LLV) FOR SPANS UP TO 6 FEET; ONE L5x3 1/2x5/16 (LLV) FOR SPANS UP TO 8 FEET. FOR SPANS LESS THAN 2 FEET, PROVIDE A 5/16 INCH PLATE.

   FOR 6-INCH MASONRY WALLS, USE TWO L3 1/2x2 1/2x5/16 (LLV) FOR SPANS UP TO 4 FEET AND A BUILT-UP PLATE SECTION FOR SPANS UP TO 8 FEET. BUILT-UP SECTION SHALL CONSIST OF A HORIZONTAL PLATE 5/16 INCH BY 6 INCHES AND A VERTICAL PLATE 1/2 INCH BY 5 INCHES WELDED TOGETHER WITH 3/16-INCH FILLET WELDS, 3 INCHES LONG AND 6 INCHES ON CENTER ON EACH SIDE OF THE VERTICAL PLATE, TO FORM AN INVERTED TEE.

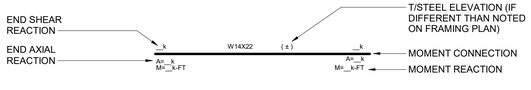
   FOR 10-INCH MASONRY WALLS, USE TWO L5x5x5/16 FOR SPANS UP TO 6 FEET AND TWO L6x6x5/16 FOR SPANS UP TO 8 FEET. TRIM HORIZONTAL LEG ON EACH ANGLE TO 4 1/2 INCHES WIDE.
3. FOR OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED IN 4-INCH-THICK VENEER, INCLUDING DOORS, WINDOWS, AND MECHANICAL OPENINGS, MINIMUM LINTELS SHALL BE ONE L4x4x5/16 FOR SPANS UP TO 6 FEET AND ONE L6x4x5/16 (LLV) FOR SPANS UP TO 8 FEET. FOR SPANS LESS THAN 2 FEET, PROVIDE A 5/16-INCH PLATE.
4. WELD TOGETHER BACK-TO-BACK LINTELS. MAXIMUM WELD SPACING SHALL NOT EXCEED 18 INCHES ON CENTER.
5. BEAR LINTELS A MINIMUM OF 8 INCHES EACH END UNLESS NOTED OTHERWISE.
6. HOT-DIP GALVANIZE LINTELS IN EXTERIOR WALLS.

STRUCTURAL STEEL NOTES

1. DO NOT BEGIN STEEL ERECTION UNTIL SUPPORTING MASONRY OR CONCRETE OBTAINS 75 PERCENT OF THE MATERIAL STRENGTHS NOTED IN DESIGN DATA NOTES.
2. LOCATE ROOFTOP MECHANICAL UNITS AS SHOWN; COORDINATE WITH MECHANICAL CONTRACT. NOTIFY ENGINEER IF ACTUAL UNIT WEIGHTS EXCEED THE WEIGHTS SHOWN ON DRAWINGS.
3. WHERE BEAM SPACING IS NOT NOTED, SPACE BEAMS EQUALLY BETWEEN COLUMNS OR BETWEEN COLUMNS AND WALLS.
4. CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW BY ENGINEER.
5. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. WHERE COLUMNS BEAR ON STEEL BEAMS, PROVIDE BEAMS WITH TWO 5/16-INCH-THICK STIFFENER PLATES THE FULL WIDTH AND DEPTH OF BEAM AND IN LINE WITH COLUMN FLANGES ON EACH SIDE OF BEAM.
7. 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.
8. WHERE DETAILS SHOW CONTINUOUS PLATES OR ANGLES ATTACHED TO BEAMS, EXTEND THE PLATES OR ANGLES PAST COLUMNS. MITER AND WELD AT EXTERIOR CORNERS OR PROVIDE ADDITIONAL SUPPORT ON THE COLUMNS. DETAIL PLATES OR ANGLES TO PROVIDE 1/2- INCH GAP AT INTERIOR CORNERS AND AT COLUMNS OTHER THAN AT EXTERIOR CORNERS.
9. PROVIDE HOT DIP GALVANIZED FASTENERS FOR GALVANIZED FRAMING CONNECTIONS AND STAINLESS STEEL FASTENERS FOR STAINLESS STEEL FRAMING CONNECTIONS.
10. GALVANIZING WHERE NOTED IN THE DRAWINGS SHALL BE HOT-DIP GALVANIZING IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

COLD-FORMED METAL FRAMING NOTES:

1. MINIMUM MEMBER MATERIAL THICKNESS IS 43 MIL UNLESS NOTED OTHERWISE.
2. CUT FRAMING COMPONENTS SQUARELY OR ON AN ANGLE AS REQUIRED TO FIT TIGHTLY WITH FULL BEARING AGAINST ABUTTING MEMBERS. TEMPORARILY BRACE MEMBERS AS REQUIRED PRIOR TO FINAL FASTENING.
3. FIELD CUTTING OF MEMBERS SHALL BE PERFORMED BY SHEARING OR SAWING. TORCH CUTTING IS NOT ACCEPTABLE.
4. SPLICES ARE NOT PERMITTED IN STUDS.
5. WHEN COLD-FORMED STUDS ARE TO BE USED FOR HEADER APPLICATIONS, STUDS SHALL BE UN-PUNCHED THROUGH THE WEB. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SPECIFY UN-PUNCHED STUDS WHEN ORDERING MATERIALS.
6. FIELD-INSTALLED HOLES ARE NOT PERMITTED IN MEMBERS UNLESS INDICATED IN DRAWINGS.
7. DO NOT SCREW OR WELD STUDS TO VERTICAL DEFLECTION TRACKS. DO NOT CONNECT SHEATHING TO VERTICAL DEFLECTION TRACKS. PROVIDE GAP IN SHEATHING TO ACCOMMODATE VERTICAL DEFLECTION.
8. ABUTTING TRACK MEMBERS SHALL BE SPLICED TOGETHER USING A TYPICAL STUD/JOIST SCREWED TO THE TRACK ON BOTH SIDES OF JOINT. WELDING IS ALSO ACCEPTABLE.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION BRACING.
10. MINIMUM SCREW SPACING AND EDGE DISTANCE IS 3/4 INCH UNLESS NOTED OTHERWISE.
11. THE FOLLOWING SHALL BE USED FOR POWDER-ACTUATED FASTENERS IN STEEL UNLESS NOTED OTHERWISE:
    - MINIMUM EDGE DISTANCE = 1/2 INCH
    - MINIMUM FASTENER SPACING = 1 INCH
12. THE FOLLOWING SHALL BE USED FOR POWDER ACTUATED-FASTENERS IN CONCRETE UNLESS NOTED OTHERWISE:
    - MINIMUM EDGE DISTANCE = 3 INCHES
    - MINIMUM FASTENER SPACING = 4 INCHES
13. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL".
14. MINIMUM WELD THROAT THICKNESS EQUALS THE BASE METAL THICKNESS OF THE THINNEST CONNECTED MATERIAL UNLESS NOTED OTHERWISE.
15. TOUCH-UP WELDS WITH GALVANIZING REPAIR PAINT.



12 / S001 STEEL BEAM LEGEND
N.T.S

NOTES:
1. DO NOT CAMBER BEAMS UNLESS A VALUE FOR CAMBER IS SPECIFIED.
2. REFER TO THE SPECIFICATION FOR CONNECTION DESIGN CRITERIA WHERE LOADS AND MOMENTS ARE NOT SHOWN.
3. LOADS AND MOMENTS ARE LRFD (LOAD AND RESISTANCE FACTOR DESIGN).
4. SHEAR REACTIONS ARE THE SAME AT EACH END OF THE BEAM, UNLESS OTHERWISE NOTED.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL



HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT: crime lab design
M/EP CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT: Government Technologies ELECTRONICS
FF&E CONSULTANT: CLOSYS CONTRACT INTERIORS, LLC
COSY CONSULTANT: STUART-DEAN COMPANY

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ORANGE COUNTY, NEW YORK

SHEET TITLE: GENERAL NOTES

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
21 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

S001

DESIGN DATA NOTES

1. GENERAL:

DESIGN PROVISIONS.....2020 NEW YORK STATE BUILDING CODE

BUILDING RISK CATEGORY.....III
TERRAIN/ EXPOSURE CATEGORY.....C
BASIC SEISMIC/ MAIN WIND FORCE RESISTING SYSTEM:
NORTH-SOUTH.....BRACED FRAMES
EAST-WEST.....BRACED FRAMES AND MASONRY SHEAR WALL

2. LIVE LOADS:

ROOFS HAVE BEEN DESIGNED TO SUPPORT THE UNIFORMLY DISTRIBUTED LIVE LOAD OR THE CONCENTRATED LIVE LOADS NOTED BELOW, WHICHEVER PRODUCED THE GREATER LOAD EFFECTS.

CONCENTRATED LIVE LOADS: (UNIFORMLY DISTRIBUTED OVER AN AREA 2.5 FEET SQUARE [6.25 SQUARE FEET] AND LOCATED SO AS TO PRODUCE THE MAXIMUM LOAD EFFECTS IN THE STRUCTURAL MEMBERS.)

ROOF.....300 lbs

UNIFORMLY DISTRIBUTED LIVE LOADS:

ROOF: UNIFORM GROUND SNOW LOAD (P_g).....40 psf
UNIFORM FLAT-ROOF SNOW LOAD (P_f).....30.8 psf
SNOW EXPOSURE FACTOR (C_e).....1.0
THERMAL FACTOR (C_t).....1.0 (1.2 AT OVERHANGS AND UNHEATED SPACES)
IMPORTANCE FACTOR (I_s).....1.1

3. DEAD LOADS:

ROOF:.....25 psf

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

ROOF:.....5-7 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.)

DO NOT SUSPEND CONCENTRATED LOADS FROM ROOF DECK.

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.

4. SEISMIC LOADS:

SITE CLASS:.....D
SHORT-PERIOD DESIGN ACCELERATION (S_{DS}):.....0.236g
ONE-SECOND DESIGN ACCELERATION (S_{D1}):.....0.088g
SHORT PERIOD MAPPED SPECTRAL RESPONSE (S_S):.....0.221g
ONE-SECOND MAPPED SPECTRAL RESPONSE (S_1):.....0.055g
SEISMIC DESIGN CATEGORY:.....B
IMPORTANCE FACTOR (I_E):.....1.25
SYSTEM COEFFICIENT R (NORTH-SOUTH):.....3.0
SYSTEM COEFFICIENT R (EAST-WEST):.....2.0
ANALYSIS PROCEDURE:.....ELFP
SEISMIC RESPONSE COEFFICIENT (C_S) (NORTH/SOUTH):.....0.073
SEISMIC RESPONSE COEFFICIENT (C_S)(EAST/WEST):.....0.11
SEISMIC DESIGN BASE SHEAR (V) (NORTH/SOUTH):.....65 k
SEISMIC DESIGN BASE SHEAR (V) (EAST/WEST):.....45 k

5. WIND LOADS:

MAIN WIND FORCE RESISTING SYSTEM HAS BEEN DESIGNED USING THE ENVELOPE PROCEDURE OF ASCE 7-16, CHAPTER 28, AND SECTION 1609 OF 2018 IBC.

BASIC WIND SPEED (3 SECOND GUST, ULTIMATE):.....120 mph
BASIC WIND SPEED (3 SECOND GUST, ASD):.....93 mph
10 YEAR-MRI BASIC WIND SPEED (3 SECOND GUST):.....76 mph
IMPORTANCE FACTOR (I_W):.....1.0
HEIGHT OF MAIN ROOF:.....18 feet
TOPOGRAPHIC FACTOR (K_{zt}):.....1.0
INTERNAL PRESSURE COEFFICIENT (GC_{pi}):.....±0.18

SEE S002 FOR ADDITIONAL WIND LOAD DATA FOR ROOFS, OVERHANGS, COMPONENTS, AND CLADDING. NET UPLIFT LOAD ON ROOF FRAMING COMPONENTS SHALL BE DETERMINED BY DEDUCTING 8 psf DEAD LOAD FROM THE TABULATED ROOF WIND LOADS FOR COMPONENTS AND CLADDING. IF THE NET UPLIFT VALUE IS LESS THAN 5 psf, USE 5 psf.

8. SOIL PRESSURE:

PRESUMPTIVE SOIL BEARING PRESSURE: 4000 psf ON UNDISTURBED NATIVE SOILS, OR STRUCTURAL FILL OVER NATIVE SOILS

FOUNDATION DESIGN BASED ON RECOMMENDATIONS INCLUDED IN GEOTECHNICAL ENGINEERING REPORT BY TERRACON CONSULTANTS-NY, INC, DATED DECEMBER 8, 2021.

9. STRUCTURAL MATERIAL STRENGTHS:

STRUCTURAL AND MISCELLANEOUS STEEL:

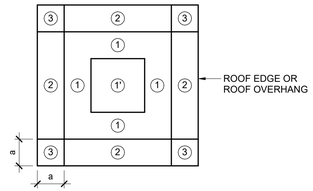
ROLLED STEEL W SHAPES..... - ASTM A 992
ROLLED STEEL PLATES, BARS, AND ANGLES..... - ASTM A 36
HOLLOW STRUCTURAL SECTION (HSS)..... - ASTM A 500 GRADE B OR C

CONCRETE:

FOOTINGS, MISCELLANEOUS.....f'_c = 3,000 psi
INTERIOR SLABS ON GRADE.....f'_c = 3,500 psi
FOUNDATION WALLS, PIERS.....f'_c = 4,000 psi
EXTERIOR SLABS ON GRADE.....f'_c = 4,500 psi

MASONRY:

CONCRETE BLOCK:.....ASTM C 90, WITH AVERAGE NET COMPRESSIVE STRENGTH OF 3,250 psi
MORTAR:.....ASTM C 270, TYPE S.
UNIT MASONRY:.....ASTM C 90 CMU (3,250 psi) AND TYPE S MORTAR f'_m = 2,500 psi
GROUT:.....ASTM C 476, MIN COMPRESSIVE STRENGTH OF 2,500 psi, 8 TO 11-INCH SLUMP.
REINFORCING STEEL FOR CONCRETE AND MASONRY:.....ASTM A 615, GRADE 60

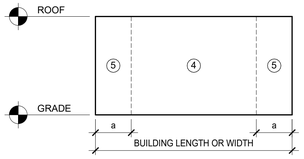


FLAT / SINGLE SLOPED ROOF

1 S002 — ROOF PLAN - COMPONENTS AND CLADDING ROOF WIND PRESSURE ZONE DESIGNATIONS
N.T.S

NOTE:

a= 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4xROOF HEIGHT, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4 PERCENT OF LEAST HORIZONTAL DIMENSION NOR 3 FEET.

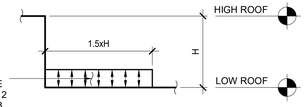


FLAT / SINGLE SLOPED ROOF

2 S002 — EXTERIOR WALL ELEVATION - COMPONENTS AND CLADDING WALL WIND PRESSURE ZONE DESIGNATIONS
N.T.S

NOTE:
SEE 1/S002 FOR DEFINITION OF a.

WITHIN THIS ZONE THE FOLLOWING DESIGN PRESSURES SHALL APPLY:
1. FOR PRESSURE TOWARDS SURFACE USE SAME AS WALL PRESSURE ZONES 4 AND 5.
2. FOR PRESSURE AWAY FROM SURFACE USE SAME AS ROOF PRESSURES EXCEPT ZONE 2 SHALL BE TREATED AS ZONE 1, AND ZONE 3 SHALL BE TREATED AS ZONE 2.



3 S002 — SECTION - COMPONENTS AND CLADDING ROOF WIND PRESSURE ZONE DESIGNATIONS AT ROOF STEPS
N.T.S

ULTIMATE WIND PRESSURE FOR EXTERIOR COMPONENTS AND CLADDING MATERIALS

ROOF SLOPE	SURFACE	EFFECTIVE WIND AREA (sf)	WIND PRESSURE TOWARD SURFACE (psf)	WIND PRESSURE AWAY FROM SURFACE (psf)
0° TO 7°	ZONE 1 ROOF	10 20 50 100	16 16 16 16	58 54 49 46
	ZONE 1' ROOF	10 20 50 100	16 16 16 16	34 34 34 34
	ZONE 2 ROOF EDGES	10 20 50 100	16 16 16 16	77 72 65 61
	ZONE 3 ROOF CORNERS	10 20 50 100	16 16 16 16	104 95 82 72
	ZONE 1 & 1' ROOF OVERHANG AT ROOF EDGES	10 20 50 100	0 0 0 0	53 52 51 50
	ZONE 2 ROOF OVERHANG AT ROOF EDGES	10 20 50 100	0 0 0 0	71 65 56 49
	ZONE 3 ROOF OVERHANG AT ROOF CORNERS	10 20 50 100	0 0 0 0	99 87 72 61
NA	ZONE 4 WALL	10 20 50 100	37 35 33 31	40 38 36 34
	ZONE 5 WALL CORNERS	10 20 50 100	37 35 33 31	49 46 42 38

4 S002 — WIND LOAD DATA FOR COMPONENTS AND CLADDING
N.T.S

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

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800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

COST CONSULTANT	STUART-DYNN COMPANY
FF&E CONSULTANT	CLOSSE CONCEPTS INTERIORS, LLC
I.T./SECURITY CONSULTANT	Environmental Technologies
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER III
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE
DESIGN DATA AND GENERAL NOTES CONT

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	12" = 1'-0"
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

S002

SCHEDULE OF SPECIAL INSPECTIONS

THE FOLLOWING IS A SUMMARY OF THE INSPECTIONS AND TESTING REQUIRED FOR THIS PROJECT. ADDITIONAL INFORMATION CAN BE FOUND IN SPECIFICATION SECTION (01410) 014533. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS ARE AS FOLLOWS:

- ■ SOILS AND FOUNDATIONS
- ■ CAST-IN-PLACE CONCRETE
- ■ MASONRY
- ■ STRUCTURAL STEEL
- ■ COLD-FORMED METAL FRAMING
- □ WOOD FRAMING AND TRUSSES
- □ MASONRY VENEERS AND ARCHITECTURAL WALL PANELS
- □ SPRAY FIRE-RESISTANT MATERIAL
- □ MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS
- □ EXTERIOR INSULATION AND FINISH SYSTEM
- □ SMOKE CONTROL
- □ MECHANICAL SYSTEMS
- □ SPECIAL CASES

INSPECTION AGENT	FIRM	ADDRESS/ PHONE
1. SPECIAL INSPECTOR		
2. GEOTECHNICAL ENGINEER/INSPECTOR		
3. TESTING/INSPECTING AGENCY		
4. TESTING/INSPECTING AGENCY		

THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE CODE ENFORCEMENT OFFICIAL. THE CREDENTIALS OF INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF REQUESTED.

THE INSPECTION AND TESTING AGENT SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S REPRESENTATIVE, NOT BY THE CONTRACTOR OR SUBCONTRACTOR PERFORMING THE WORK. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE CODE ENFORCEMENT OFFICIAL PRIOR TO COMMENCING WORK.

THE SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER EXPERIENCE IN THE DESIGN OF BUILDINGS AND REGISTERED IN THE STATE OF NEW YORK. MINIMUM QUALIFICATIONS OF THE TESTING AGENT ARE INDICATED ON THE SCHEDULE.

KEY OF MINIMUM QUALIFICATIONS OF INSPECTION AGENTS (MQIA)

PE	NEW YORK STATE REGISTERED PROFESSIONAL ENGINEER
RDP	NEW YORK STATE REGISTERED DESIGN PROFESSIONAL ENGINEER
EIT	ENGINEER IN TRAINING - INTERN ENGINEER
ACI-CCI	AMERICAN CONCRETE INSTITUTE CERTIFIED CONCRETE CONSTRUCTION INSPECTOR
ACI-CFIT	AMERICAN CONCRETE INSTITUTE CERTIFIED CONCRETE FIELD TECHNICIAN - GRADE 1
ICC-RCSI	ICC REINFORCED CONCRETE SPECIAL INSPECTOR
ICC-RCC	ICC REINFORCED CONCRETE CERTIFICATION
ICC-SMC	ICC STRUCTURAL MASONRY CERTIFICATION
ICC-SSWC	ICC STRUCTURAL STEEL AND WELDING CERTIFICATION
AWS-CWI	AMERICAN WELDING SOCIETY CERTIFIED WELDING INSPECTOR
ICC-SAFC	ICC SPAY-APPLIED FIREPROOFING CERTIFICATION
ASNT	AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING - LEVEL II OR III
ICC-PCC	ICC PRESTRESSED CONCRETE CERTIFICATION

CATEGORY	MINIMUM QUALIFICATION
A. EXCAVATION AND FILING VERIFICATION OF SOILS PILES AND DRILLED PIERS MODULAR RETAINING WALLS	1. CURRENT LEVEL II CERTIFICATION IN GEOTECHNICAL ENGINEERING TECHNOLOGY/ CONSTRUCTION FROM THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET). 2. EIT OR PE WITH RELEVANT EXPERIENCE.
B. REINFORCED CONCRETE	1. CURRENT ICC-RCSI OR ACI-CCI 2. ACI-CFTT 3. EIT OR PE WITH RELEVANT EXPERIENCE
C. PRESTRESSED CONCRETE	1. CURRENT ICC-RCC OR ICC-PCC 2. ACI-CFTT WITH ONE YEAR OF RELEVANT EXPERIENCE. 3. EIT OR PE WITH RELEVANT EXPERIENCE 4. CURRENT POST-TENSIONING INSTITUTE (PTI) CERTIFICATION.
D. MASONRY	1. CURRENT ICC-SMC AND ONE YEAR OF RELEVANT EXPERIENCE 2. EIT OR PE WITH RELEVANT EXPERIENCE
E. WELDING	1. CURRENT AWS-CWI 2. CURRENT ICC-SSWC AND ONE YEAR OF RELEVANT EXPERIENCE 3. CURRENT LEVEL II ASNT 4. CURRENT LEVEL III ASNT, BUT ONLY IF ALSO LEVEL II
F. HIGH-STRENGTH BOLTING AND STEEL FRAME INSPECTION	1. CURRENT ICC-SSWC AND ONE YEAR OF RELEVANT EXPERIENCE 2. EIT OR PE WITH RELEVANT EXPERIENCE.
G. INSPECTION OF FABRICATIONS	1. PRECAST: CURRENT ICC-RCC AND ONE YEAR OF RELEVANT EXPERIENCE. 2. BAR JOISTS: SEE WELDING REQUIREMENTS 3. METAL BUILDINGS: SEE WELDING REQUIREMENTS 4. STRUCTURAL STEEL: SEE WELDING REQUIREMENTS
H. COLD-FORMED METAL FRAMING	1. QUALIFIED PERSON WITH ONE YEAR RELEVANT EXPERIENCE 2. EIT OR PE WITH RELEVANT EXPERIENCE
I. WOOD FRAMING AND TRUSSES	1. QUALIFIED PERSON WITH ONE YEAR OF RELEVANT EXPERIENCE 2. EIT OR PE WITH RELEVANT EXPERIENCE
J. EXTERIOR AND INTERIOR ARCHITECTURAL WALL PANELS	1. MASONRY VENEERS: SEE MASONRY QUALIFICATIONS 2. EIT OR PE WITH RELEVANT EXPERIENCE
K. SPRAYED FIRE-RESISTANT MATERIALS	1. CURRENT ICC-SAFC AND ONE YEAR RELEVANT EXPERIENCE 2. EIT OR PE WITH RELEVANT EXPERIENCE
L. EXTERIOR INSULATION AND FINISH SYSTEM	1. EIT OR PE WITH RELEVANT EXPERIENCE
M. SMOKE CONTROL	1. RDP RESPONSIBLE FOR DESIGN
N. MECHANICAL SYSTEMS	1. RDP RESPONSIBLE FOR DESIGN
O. SEISMIC RESISTANCE	1. SEE APPLICABLE CATEGORIES IN THIS TABLE

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 17OF THE BCNYS.
2. SPECIAL INSPECTIONS AND TESTING SHALL BE CONTINUOUS OR PERIODIC DURING PERFORMANCE OF THE WORK, AS NOTED.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SOILS AND FOUNDATIONS

VERIFICATION/ INSPECTION	AGENT NO.	MQIA	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. VERIFY SITE PREPARATION IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL EVALUATION:					
A. IDENTIFY SOILS REQUIRING UNDERCUTTING AND REPLACING WHILE OBSERVING PROOF ROLLING AND WHEN SUBGRADE IS EXPOSED	2	A.2	X	-	
B. VERIFY FOOTING BEARING STRATA	2	A.2	X	-	
C. REVIEW AND ACCEPT FILL MATERIALS.	2	A.2	-	-	
D. OBSERVE AND ACCEPT BACKFILLING AND COMPACTION PROCEDURES.	2	A.2	X	-	
E. OBSERVE AND ACCEPT PREPARATION OF SLAB SUBGRADE AND SUBBASE.	2	A1, A.2	X	-	
F. VERIFY USE OF FILL MATERIAL AND LIFT THICKNESS IN FIELD	2 OR 3	A1, A.2	-	-	
2. COMPACTION AND MOISTURE CONTENT TESTING:					
A. ONE TEST OF SUBGRADE FOR EACH SPREAD FOOTING AND EACH 20-FOOT LENGTH OF STRIP FOOTING.	3	A.1	-	X 50%	ASTM D 1557 ASTM D 6938
B. ONE TEST OF SUBGRADE AND SUBBASE FOR EACH 2000 SF OF SLAB-ON-GRADE, BUT NOT LESS THAN 4 TESTS.					
C. ONE TEST OF EACH LIFT OF FILL MATERIALS FOR EACH 2000 SF OF BUILDING AREA, BUT NOT LESS THAN 4 TESTS.					

CAST-IN-PLACE CONCRETE

VERIFICATION/ INSPECTION	AGENT NO.	MQIA	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. INSPECT REINFORCING STEEL AND PLACEMENT:	1	B.1, B.3, O.1			
A. FOOTINGS, FOUNDATIONS WALLS, AND PIERS.			-	X 50%	
B. SLABS ON GRADE.			-	X 50%	
2. INSPECT EMBEDDED BOLTS AND ANCHOR RODS PRIOR TO PLACEMENT OF CONCRETE:	1	B.1, B.3, O.1			
B. AT COLUMNS IN BRACED FRAMES AND MOMENT FRAMES.			-	X 100%	
3. VERIFY USE OF REQUIRED DESIGN MIX	3	B.2	X	-	
4. SAMPLE AND TEST FRESH CONCRETE:	3	B.2	X	-	ASTM C 172
A. TAKE SIX STANDARD CYLINDERS FOR EACH 50 CUBIC YARDS OF CONCRETE OR EACH 5000 SF OF SLAB AREA FOR EACH CLASS OF CONCRETE.					ASTM C 31 ASTM C 94
B. RECORD TIME CONCRETE IS BATCHED, TIME CONCRETE IS SAMPLED, AND TIME THE TRUCK IS EMPTY.					
C. PERFORM ONE SLUMP TEST FOR EACH TRUCK; TWO IF THE CONCRETE IS PUMPED.					ASTM C 143
D. MEASURE AIR CONTENT FOR EACH TRUCK.					ASTM C 231 ASTM C 173
D. RECORD CONCRETE AND AMBIENT AIR TEMPERATURE.					
E. RECORD UNIT WEIGHT OF CONCRETE.					ASTM C 138 ASTM C 567
F. PERFORM COMPRESSIVE STRENGTH TESTS.					ASTM C 39
5. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	3	B.1, B.2	X	-	ACI 318 26.5.1, 26.5.2
6. INSPECT FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES.	3	B.1, B.2	-	X	ACI 318 26.5.3 ,26.5.4, 26.5.5

COLD-FORMED METAL FRAMING

VERIFICATION/ INSPECTION	AGENT NO.	MQIA	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. INSPECT FRAMING (3 RANDOM TESTS FOR EACH MEMBER TYPE, SIZE, AND GAUGE) AS FOLLOWS:	3		-	X	
A. MEMBER SIZE AND MATERIAL THICKNESS					
B. WEIGHT OF GALVANIZED COATING.					
2. MATERIAL VERIFICATION:	1 OR 3		-	X	
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.					
3. INSPECT ERECTED FRAMING AND MECHANICAL CONNECTIONS:	1	H.1, H.2, O.1			
A. JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.			-	X 50%	
B. APPLICATION OF JOINT DETAIL AT EACH CONNECTION			-	X 50%	
4. WELDING OF COLD-FORMED METAL FRAMING:	3	E.1, E.2	-	X 50%	AWS D1.3
5. INSPECT CONDITION OF ERECTED FRAMING:	1 OR 3	H.1, H.2	-	X 50%	
6. PERFORM PULL-OUT TESTS ON DRILLED-IN ADHESIVE ANCHORS:	3		-	X 100%	
A. TEST 10% OF EACH ANCHOR TYPE (MINIMUM OF 2) BY APPLYING A LOAD EQUAL TO 125% OF ALLOWABLE PULL-OUT STRENGTH.					
B. TEST 100% OF ANCHORS BY PULLING WITH A CLAW HAMMER USING THE WEIGHT OF ONE MAN.					

STRUCTURAL STEEL AND METAL DECK

VERIFICATION/ INSPECTION	AGENT NO.	MQIA	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. VERIFY FABRICATOR(S) MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES.	1 OR 3	G.2, G.3, G.4	-	X	AISC 360-10 CHAPTER N
2. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS:					
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPEC'D IN THE APPROVED CONST. DOC'S.	3	F.1	-	X 100%	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE.					APPLICABLE ASTM MTRL SPECS; AISC 360-10, A3.3
C. TEST 3 HIGH-STRENGTH BOLT ASSEMBLIES FROM EACH LOT FOR USE AT PRE-TENSIONED AND SLIP- CRITICAL JOINTS.	3	F.1	-	X	
3. INSPECTION OF HIGH-STRENGTH BOLTING:	3	F.1, O.1			AISC 360-10, N5.6
A. BEARING-TYPE CONNECTIONS			-	X 100 %	
4. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND METAL DECK:					ASTM A6 OR ASTM A568
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	1 OR 3			X 100 %	ASTM A653
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQ'D.	1	F.2	-	X 100%	
5. PERFORM PULL-OUT TESTS ON DRILLED-IN AND ADHESIVE ANCHORS:	3		-	X 100%	
A. TEST 10% OF EACH ANCHOR TYPE (MINIMUM OF 2) BY APPLYING A LOAD EQUAL TO 125% OF ALLOWABLE PULL-OUT STRENGTH.					
B. TEST 100% OF ANCHORS BY PULLING WITH A CLAW HAMMER USING THE WEIGHT OF ONE MAN.					
6. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:					
A. IDENTIFICATION MARKING TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	3	E.1, E.2	-	X	AISC 360-10 A3.5
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQ'D.	1 OR 3	E.1, E.2, E.3	-	X	
7. INSPECTION OF WELDING OF STRUCTURAL STEEL:	3	E.1, E.2, O.1			AISC 360-10, N5.4 & N5.5, AWS D1.1
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 100% VISUAL INSPECTION AND 50% MINIMUM ULTRASONIC TESTING. REFER TO SPECIFICATION SECTION 014533 FOR ADDITIONAL REQUIREMENTS.			X	X	ASTM E587
B. FILLET WELDS. 100% VISUAL INSPECTION AND 10% MAGNETIC PARTICLE TESTING.			-	X	ASTM E709
a. SINGLE PASS (5/16 OR LESS).			-	X	AWS D1.1
C. METAL DECK WELDS.				X 50%	AWS D1.3
8. INSPECTION OF ERECTED STEEL FRAME:	1 OR 3	F.1, F.2, O.1	-	X 100%	AISC 360-10, N5.7
A. JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.					
B. BRACED FRAMES AND MOMENT FRAMES.					
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.					
9. INSPECT CONDITION OF ERECTED MATERIALS:	1 OR 3	F.1, F.2	-	X 100%	
10. INSPECTION OF ERECTED METAL DECK:	1 OR 3	F.1, F.2	-	X 100%	AISC 360-10, N6
A. SIZE AND SPACING OF MECHANICAL FASTENERS INCLUDING SCREWS, POWDER-ACTUATED FASTENERS, AND PNEUMATICALLY-DRIVEN FASTENERS.					

MASONRY (LEVEL 1)

VERIFICATION/ INSPECTION	AGENT NO.	MQIA	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR FIRST FIVE DAYS OF MASONRY CONSTRUCTION AND ONCE FOR EVERY 2,500 SF OF WALL AFTER THAT.	1 OR 3	D.1, D.2	-	X	ACI 530.1 ART 2.6A ASTM C780 ASTM C270 ASTM C1583
B. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS. FIRST THREE DAYS OF MASONRY CONSTRUCTION AND ONCE FOR EVERY 2,500 SF OF WALL AFTER THAT.	1	D.2	-	X	ACI 530.1 ART 3.3B
C. LOCATION OF REINFORCEMENT.	1	D.2, O.1	-	X 50%	ACI 530.1 ART 3.4, 3.6A ACI 530 §1.13
2. THE INSPECTION PROGRAM SHALL VERIFY:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	1	D.2, O.1	-	X 50%	ACI 530.1 ART 3.3G
B. TYPE, SIZE, AND LOCATION OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	1	D.2, O.1	-	X 50%	ACI 530 §1.2.2(e), 2.1.4, 3.1.6
C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT.	1	D.2, O.1	-	X 50%	ACI 530.1 ART 2.4, 3.4 ACI 530 §1.13
D. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40'F) OR HOT WEATHER (TEMPERATURE ABOVE 90'F).	1	D.1, D.2	-	X	ACI 530.1 ART 1.8C, 1.8D
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. GROUT SPACE IS CLEAN.	1	D.2, O.1	-	X	ACI 530.1 ART 3.2D
B. PLACEMENT OF REINFORCEMENT	1	D.2, O.1	-	X 50%	ACI 530.1 ART 3.4 & 3.6A ACI 530 §1.13
C. PROPORTIONS OF SITE-PREPARED GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS. FIRST FIVE GROUTING OPERATIONS AND ONCE FOR EVERY 2,500 SF OF WALL AFTER THAT.	1 OR 3	D.1, D.2	-	X	ACI 530.1 ART 2.6B ASTM C 476
4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	1	D.1, D.2, O.1	X	-	ACI 530.1 ART 3.5 ART 3.6C

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

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(518) 452-3470
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FF&E CONSULTANT: CLOSYS CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: Convergent Technologies
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE: SCHEDULE OF SPECIAL INSPECTONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	12" = 1'-0"
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

S003

COLUMN FOOTING SCHEDULE

MARK	SIZE LENGTH	SIZE WIDTH	SIZE THICK	REINFORCING	REMARKS
F1	4'-0"	4'-0"	1'-0"	(8)#4	EACH WAY, BOTTOM
F2	4'-0"	4'-0"	1'-2"	(8)#4	EACH WAY, BOTTOM
F3	5'-0"	37'-0"	1'-9"	#5 AT 1'-0"OC	EACH WAY, TOP AND BOTTOM
F4	5'-0"	27'-8"	1'-9"	#5 AT 1'-0"OC	EACH WAY, TOP AND BOTTOM
F5	5'-0"	23'-4 3/4"	1'-9"	#5 AT 1'-0"OC	EACH WAY, TOP AND BOTTOM
F6	5'-0"	14'-4"	1'-0"	#5 AT 1'-0"OC	EACH WAY, TOP AND BOTTOM
F7	4'-0"	10'-4"	1'-0"	#5 AT 1'-0"OC	EACH WAY, TOP AND BOTTOM
F8	26'-0"	5'-0"	1'-0"	#5 AT 1'-0"OC	EACH WAY, TOP AND BOTTOM

1 S100 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. T/SLAB ELEVATION ( )EQUALS REFERENCE ELEVATION (509.5') = (0'-0")
2. ELEVATIONS NOTED THUS ( )ARE WITH RESPECT TO (0'-0").
3. T/EXTERIOR FOOTING (-4'-0") TYPICAL UNLESS NOTED OTHERWISE.
4. T/INTERIOR FOOTING (-1'-0") TYPICAL UNLESS NOTED OTHERWISE.
5. F_ - INDICATES FOOTING TYPE. SEE S100 FOR FOOTING SCHEDULE.
6. T/WALL ELEVATION (0'-0") TYPICAL UNLESS NOTED OTHERWISE.
7. T/PIER ELEVATION (-0'-8") TYPICAL UNLESS NOTED OTHERWISE.
8. P_ - INDICATES PIER TYPE. SEE S302 FOR PIER DETAILS.
9. WCJ - INDICATES WALL CONTROL OR CONSTRUCTION JOINT LOCATION; ALIGN WITH MASONRY WALL CONTROL JOINTS. COORDINATE LOCATIONS WITH ARCHITECTURAL CONTRACT. SEE 7/S300 AND 8/S300.
10. SEE 6/S300 FOR WALL REINFORCING AT CORNERS AND INTERSECTIONS.
11. SEE 2/S300 AND 3/S300 FOR SLAB-ON-GRADE CONSTRUCTION AND CONTRACTION JOINTS.
12. THICKEN SLAB UNDER CMU WALLS AS SHOWN IN 5/S300. COORDINATE LOCATIONS WITH ARCHITECTURAL CONTRACT.
13. SLEEVE OPENINGS THROUGH WALLS AND SLABS AT PIPING AND CONDUIT; DO NOT CORE. COORDINATE SLEEVE SIZES, QUANTITIES, AND LOCATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTS. NOT ALL LOCATIONS ARE SHOWN ON THE STRUCTURAL CONTRACT.
14. PROVIDE (1)#4x4'-0" LONG DIAGONAL BAR AT CORNERS AND OPENINGS IN SLABS ON GRADE.
15. SEE S001 AND S002 FOR ADDITIONAL NOTES.
16. SEE S100 FOR FOUNDATION LEGEND.

FOUNDATION LEGEND

	INDICATES SLAB OVERPOURS WALL. T/WALL IS 8 INCHES BELOW T/SLAB TYPICAL, UNLESS NOTED OTHERWISE. SEE FOUNDATION DETAILS AND COORDINATE WITH ARCHITECTURAL CONTRACT.
LO / HI	INDICATES FOOTING STEP LOCATION AND T/FOOTING ELEVATION. SEE 9/S300.
LO / HI	INDICATES T/SHELF STEP LOCATION AND ELEVATION.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Latham, NY 12110
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www.hymanhayes.com

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

COSY CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLOSED CORNER INTERIORS, LLC
I.T./SECURITY CONSULTANT: Convergent Technologies
CIVIL CONSULTANT: Fuss Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE: FOUNDATION PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

S100

1-1/2" x 22GA GALVANIZED METAL ROOF DECK, TYPICAL. T/STL AT MAIN ROOF = (12'-0) SEE 1/S500

OUTLINE OF INTERIOR CMU PARITION WALLS. SEE S201

SEE S201

EXHAUST FAN ERV-3
WEIGHT = 550 #
NOTIFY ENGINEER IF THIS WEIGHT IS TO BE EXCEEDED. SEE 5/S500 FOR FRAME DETAIL

PREFABRICATED CANOPY ROOF. SEE ARCHITECTURAL DRAWINGS

ROOF HATCH. SEE ARCH DRAWINGS. SEE 5/S500 FOR FRAME DETAIL

BEGIN CURVE

EOD. FOLLOW RADIUS = 72'-3 1/2"

BEGIN CURVE SEE FOUNDATION PLAN

ABOVE CURVED WINDOW

ABOVE WINDOW

ABOVE WINDOW

ABOVE WINDOW

W12x26 OUTRIGGER, TYPICAL

1-1/2" x 22GA GALVANIZED METAL ROOF DECK, TYPICAL. T/STL AT OVERHANG = (10'-8") SEE 1/S500

W12x19 INFILL BEAM, TYPICAL

SWEPT C12x20.7 PERIMETER CHANNEL

W12x19 AT CURTAINWALL, TYPICAL

W12x26 Mu = 10 kft

HSS8X4X1/4 (12'-0") GIRT

W14x22 ROLL BEAMS AT 1/4 POINTS

1 S200 MAIN ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. T/STEEL (B/DECK) ELEVATION (+) ABOVE REFERENCE ELEVATION (0'-0") UNLESS NOTED OTHERWISE.
2. ELEVATIONS NOTED ( ) ARE TO T/STEEL (B/DECK) WITH RESPECT TO ELEVATION (+).
3. COLUMNS ARE HSS5x5x5/16 UNLESS OTHERWISE NOTED.
4. COLUMN BASE PLATES ARE BP1, BP1A AT BRACED FRAMES, UNLESS OTHERWISE NOTED. SEE S302 FOR DETAILS.
5. EQUALLY SPACE ROOF BEAMS BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
6. BF_ - INDICATES STEEL BRACED FRAME. SEE S502 FOR SCHEMATICS AND DETAILS.
7. SEE 2/S500 AND 3/S500 FOR TYPICAL FRAMING CONNECTIONS TO HSS COLUMNS.
8. EOD INDICATES EDGE OF DECK.
9. ▸ INDICATES MOMENT CONNECTION. SEE 6/500.
10. SEE 1/S400 FOR MASONRY WALL REINFORCING REQUIREMENTS.
11. RD - INDICATES ROOF DRAIN, EF - INDICATES EXHAUST FAN, RV - INDICATES ROOF VENT. COORDINATE SIZE AND LOCATION WITH MECHANICAL CONTRACT AND ARCHITECTURAL DRAWINGS. PROVIDE ROOF OPENING ANGLE FRAME AT ROOF DRAINS, VENTS, EXHAUST FANS, AND HATCHES. SEE 5/S500.
12. NOTIFY ENGINEER IF ACTUAL WEIGHTS OF MECHANICAL UNITS EXCEED WEIGHTS NOTED ON PLAN. COORDINATE EXACT DIMENSIONS AND LOCATIONS WITH THE MECHANICAL CONTRACT AND UNITS SUPPLIED.
13. INSTALL DECK AS 2-SPAN MINIMUM.
14. SEE S001 AND S002 FOR ADDITIONAL NOTES.
15. SEE S502 FOR CFMF DETAILS.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

STATE OF NEW YORK · JUSTIN S PECHAR · 095080 · LICENSED PROFESSIONAL ENGINEER

HYMAN HAYES ASSOCIATES
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Latham, NY 12110
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COST CONSULTANT	STUART-DEAN COMPANY
FF&E CONSULTANT	CLOUGH CONSTRUCTION INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergent Technologies Engineering
CIVIL CONSULTANT	Fuss Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

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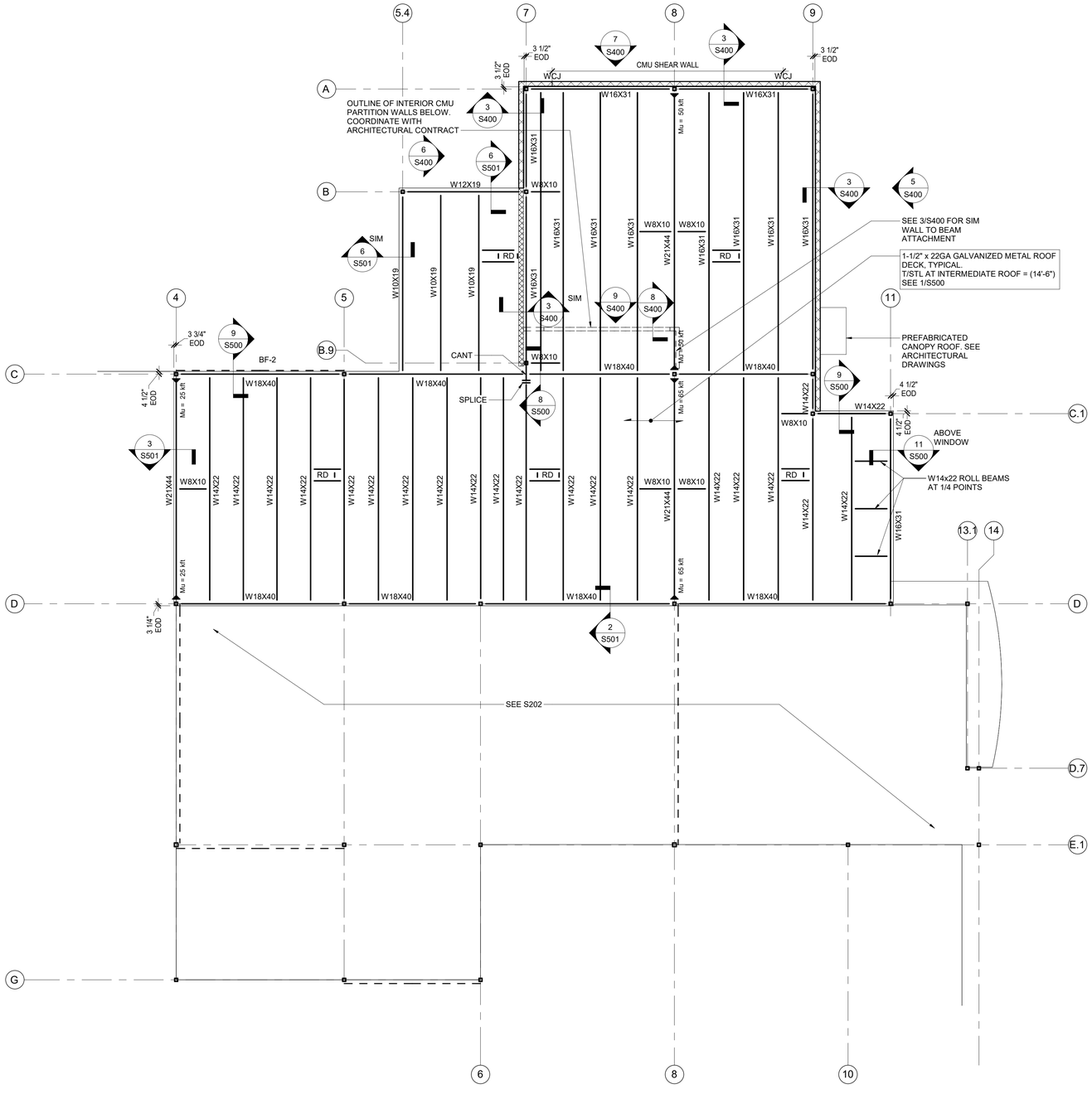
ORANGE COUNTY, NEW YORK

SHEET TITLE
MAIN ROOF FRAMING PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As Indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.	20071
CLIENT PROJ. NO.	

SHEET NUMBER
S200



1 S201 INTERMEDIATE ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. SEE S200 FOR FRAMING NOTES.

REVISION SCHEDULE

#	DESCRIPTION	DATE

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ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
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(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/E/P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fuss Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT	Governments Technologies
FF&E CONSULTANT	CLOSE CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-DEAN COMPANY

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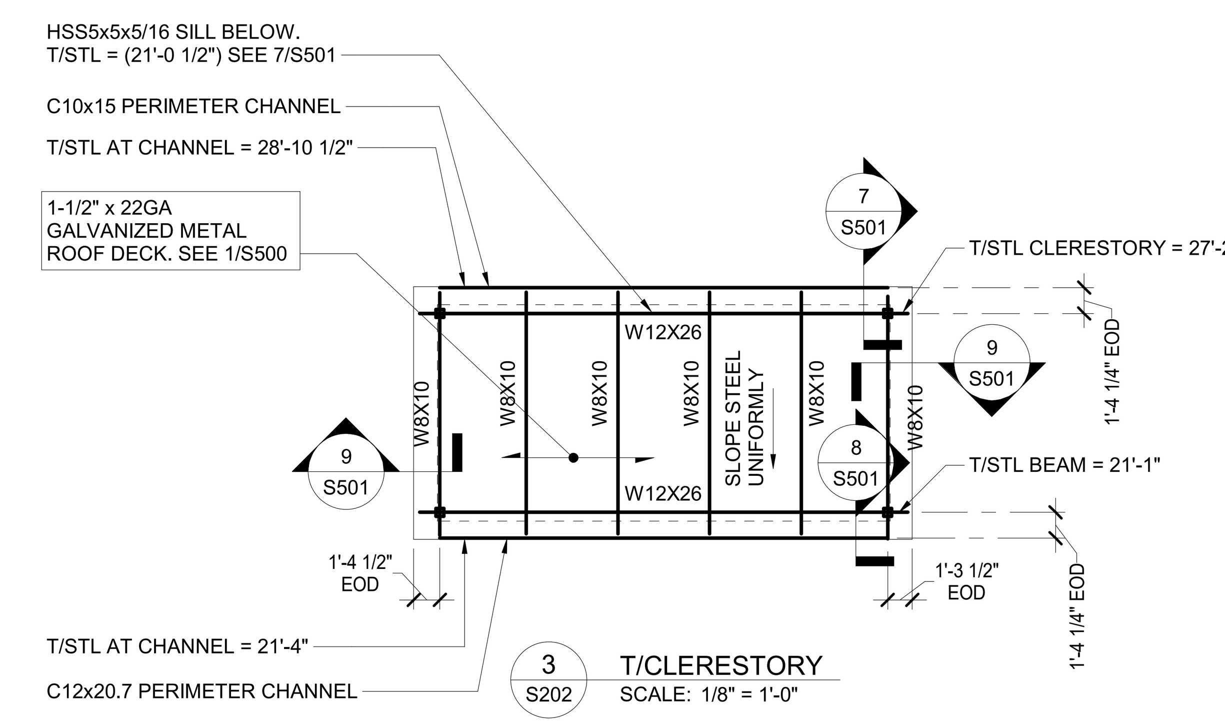
ORANGE COUNTY, NEW YORK

SHEET TITLE
INTERMEDIATE ROOF FRAMING PLAN

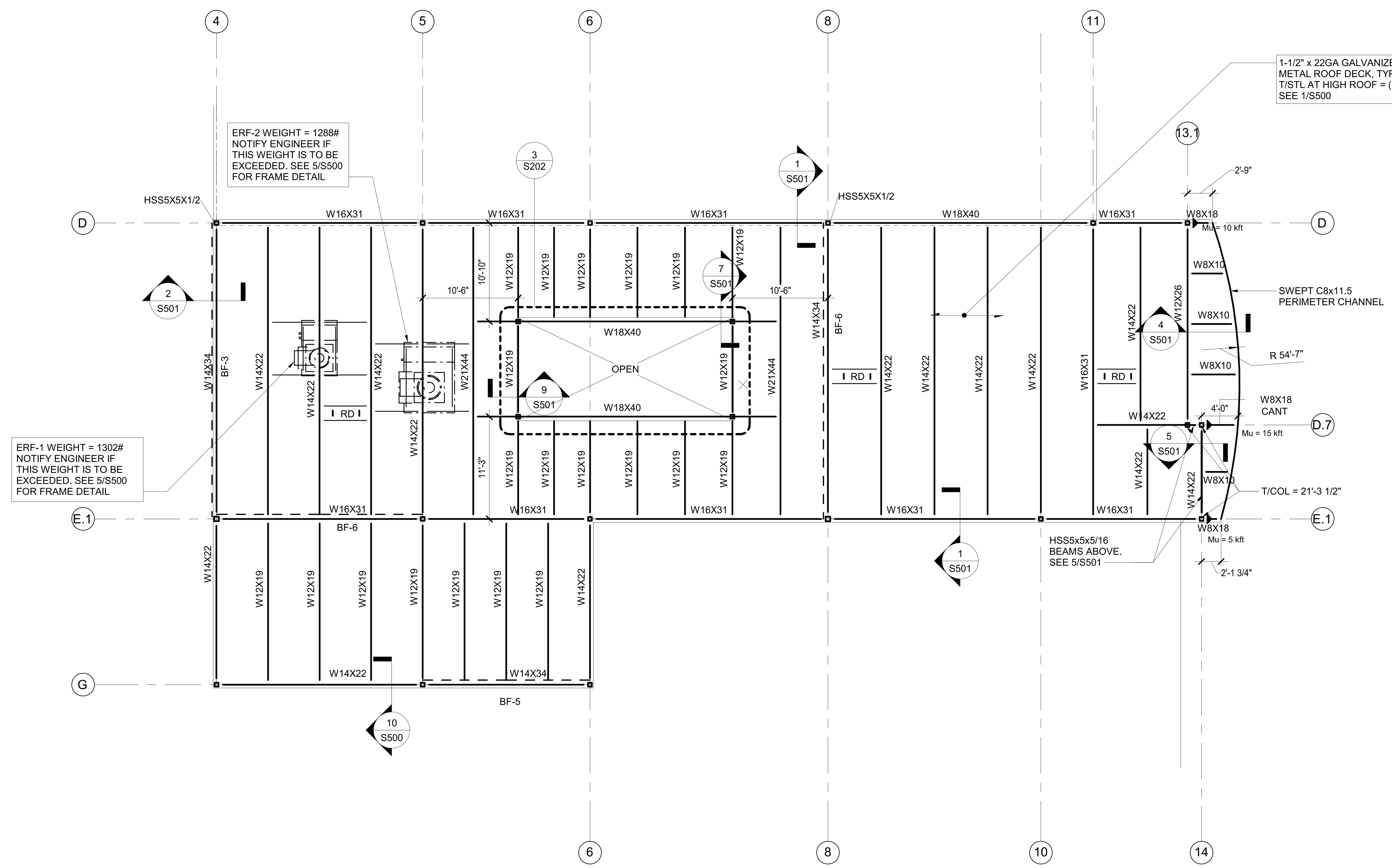
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

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DRAWN BY:	LK
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CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
S201



3 S202 T/CLERESTORY
SCALE: 1/8" = 1'-0"



1 S202 HIGH ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. SEE S200 FOR FRAMING NOTES.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECTURE/INTERIOR DESIGN/STRUCTURAL ENGINEER

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I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
MEP CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

SHEET TITLE

HIGH ROOF FRAMING PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

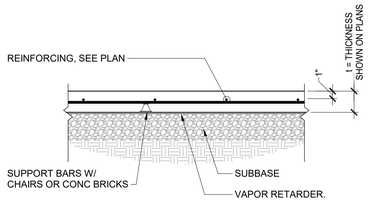
22 WELLS FARM RD.
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DATE:	11/18/2022
SCALE:	As indicated
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CHECKED BY:	JP
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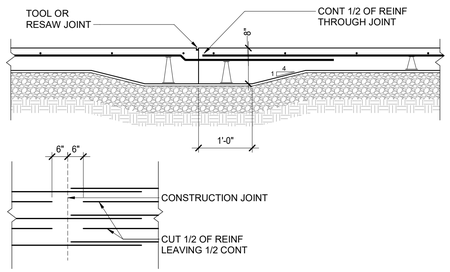
SHEET NUMBER

S202

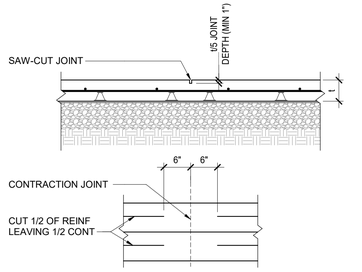
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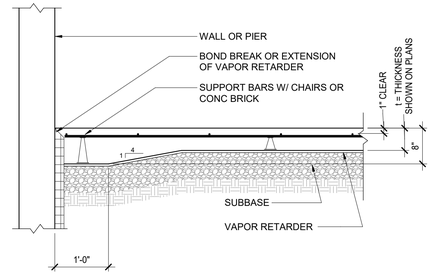
1 S300 SLAB ON GRADE TYPICAL SECTION
SCALE: 3/4" = 1'-0"



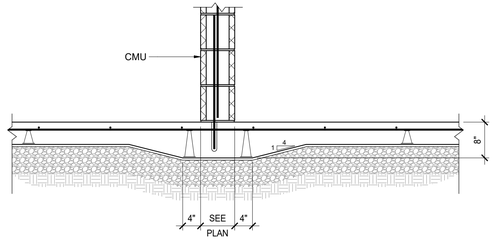
2 S300 SLAB ON GRADE TYPICAL CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"



3 S300 SLAB ON GRADE TYPICAL CONTRACTION JOINT
SCALE: 3/4" = 1'-0"

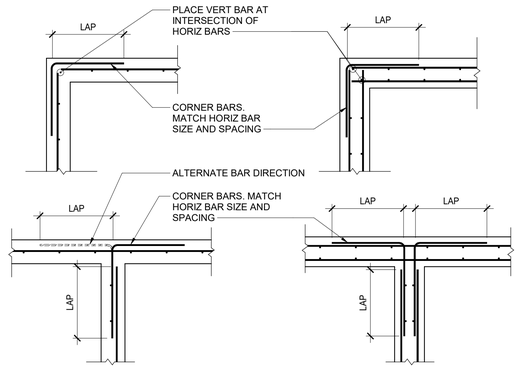


4 S300 SLAB ON GRADE TYPICAL EDGE SECTION
SCALE: 3/4" = 1'-0"



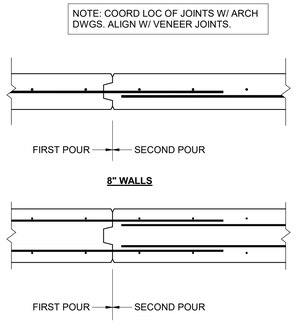
5 S300 SECTION AT THICKENED SLAB (WALL)
SCALE: 3/4" = 1'-0"

NOTE:
CONTRACTOR TO DRILL AND ADHESIVE ANCHOR BARS 6" MINIMUM INTO SLAB ON GRADE.



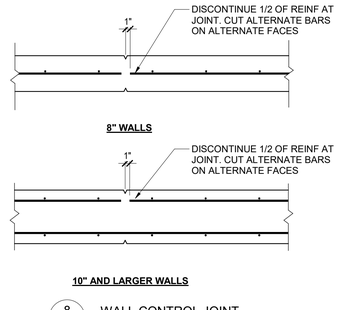
6 S300 TYPICAL WALL INTERSECTION REINFORCEMENT
SCALE: 1/2" = 1'-0"

NOTE:
LAPS ARE CLASS B BUT NOT LESS THAN 2'-0"



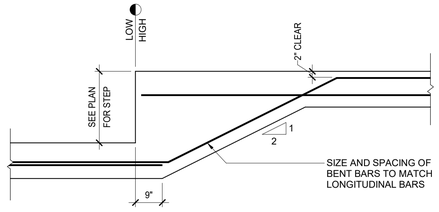
7 S300 WALL CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"

NOTE:
CONTRACTOR'S OPTION TO CAST PVC OR GALVANIZED STEEL CONDUIT SLEEVES INTO WALL IN LIEU OF "GREASE AND WRAP".



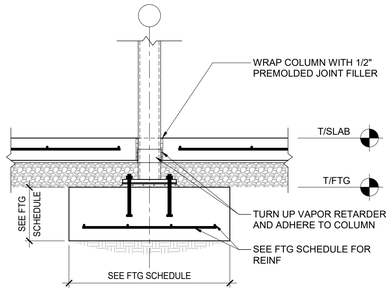
8 S300 WALL CONTROL JOINT
SCALE: 3/4" = 1'-0"

NOTE: COORD LOC OF JOINTS W/ ARCH DWGS. ALIGN W/ VENEER JOINTS.



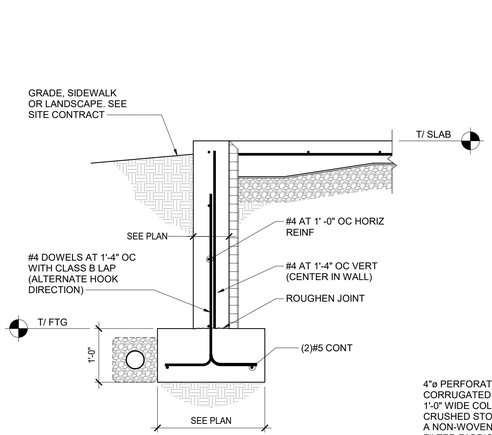
NOTE:
LAPS ARE CLASS B, BUT NOT LESS THAN 2'-0"

9 S300 TYPICAL FOOTING STEP DETAIL
SCALE: 1/2" = 1'-0"

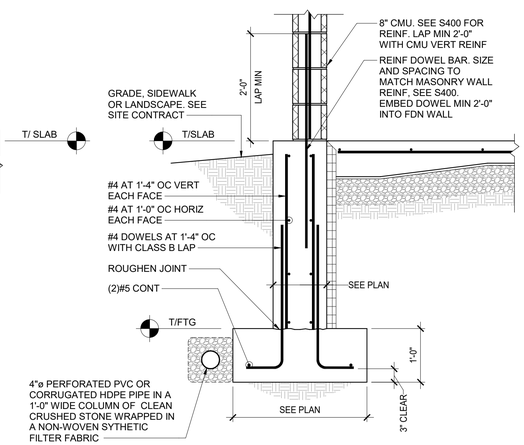


10 S300 SECTION AT INTERIOR FOOTING
SCALE: 3/4" = 1'-0"

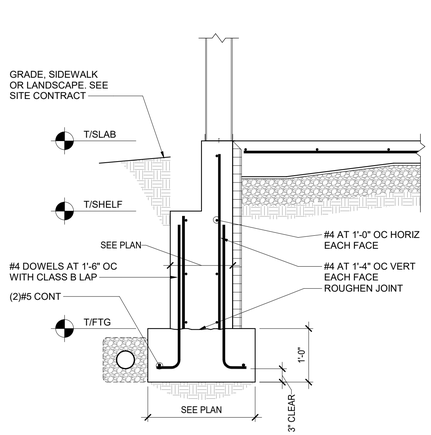
NOTE:
REQUIRES COLUMN BASE TO BE COATED WITH COAL TAR EPOXY.



11 S300 SECTION AT FOUNDATION WALL
SCALE: 3/4" = 1'-0"

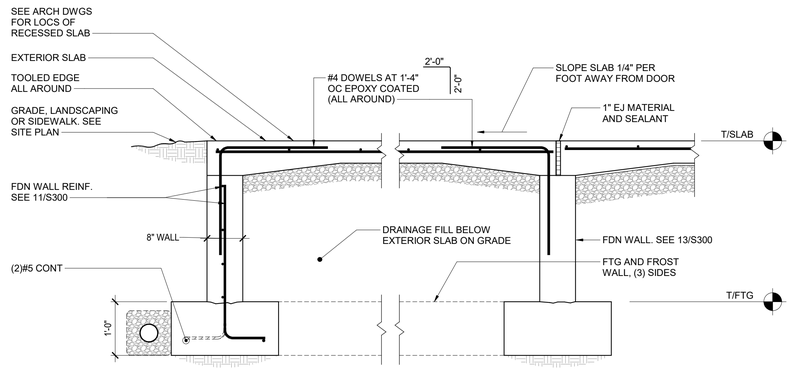


12 S300 FOUNDATION WALL SECTION
SCALE: 3/4" = 1'-0"



13 S300 FOUNDATION WALL SECTION
SCALE: 3/4" = 1'-0"

NOTE: COMBINED FOOTING AT SIM



14 S300 TYPICAL SECTION AT DOOR W/ FROST WALLS
SCALE: 3/4" = 1'-0"

NOTE:
CONTRACTOR'S OPTION TO PLACE MAT FOOTING IN LIEU OF INDIVIDUAL WALL FOOTINGS. REINFORCE MAT WITH #5 AT 1'-4" OC EACH WAY (BOTTOM) AND PROVIDE DRAIN HOLE AT CENTER OF MAT (6"ø OR 6" SQUARE).

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/E/P CONSULTANT	FELLENZER ENGINEERING
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I.T./SECURITY CONSULTANT	Convergent Technologies CONSULTING
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COST CONSULTANT	STUART-DEAN COMPANY

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ORANGE COUNTY, NEW YORK

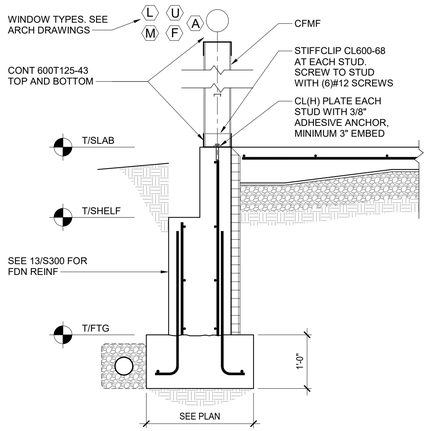
SHEET TITLE
FOUNDATION DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

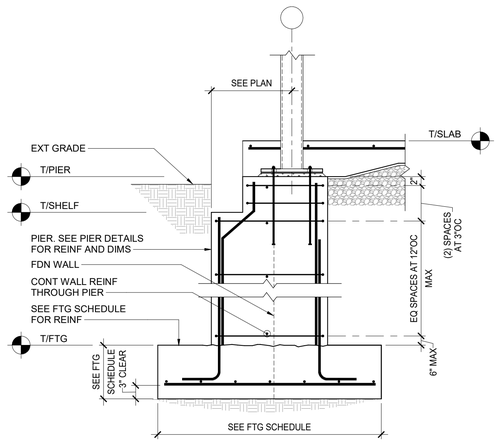
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SCALE:	As indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

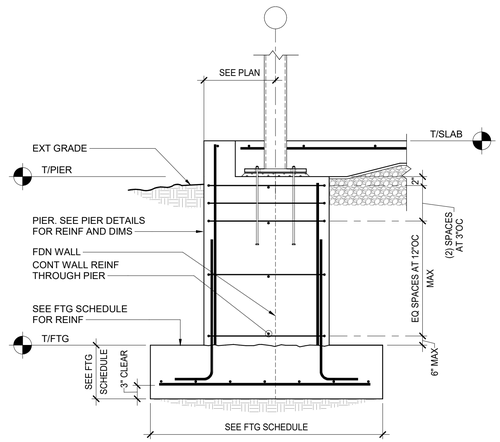
S300



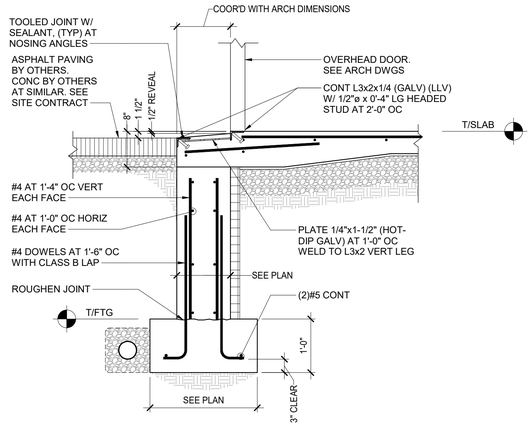
1 S301 FOUNDATION WALL SECTION
SCALE: 3/4" = 1'-0"



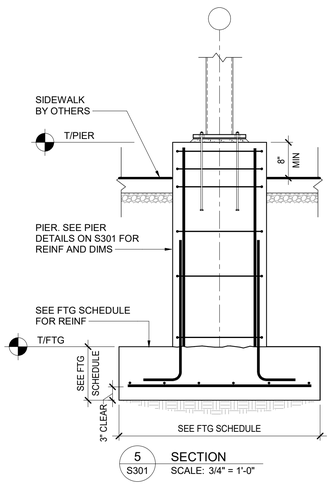
2 S301 SECTION AT EXTERIOR PIER
SCALE: 3/4" = 1'-0"



3 S301 SECTION AT EXTERIOR PIER
SCALE: 3/4" = 1'-0"

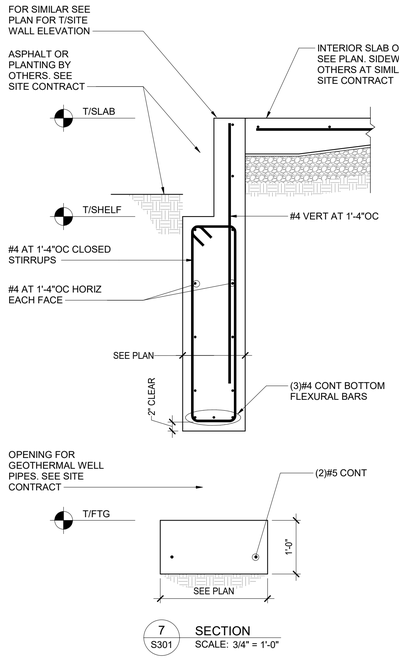


4 S301 SECTION AT FOUNDATION WALL
SCALE: 3/4" = 1'-0"

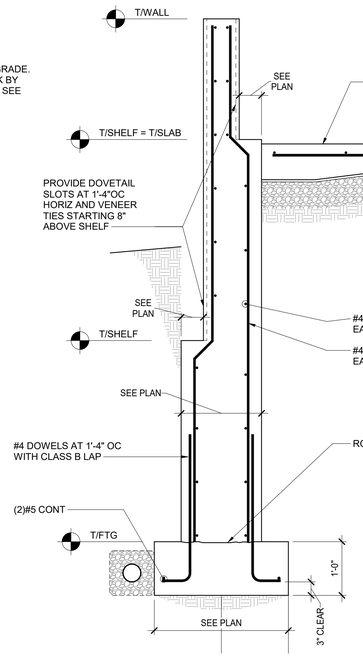


5 S301 SECTION
SCALE: 3/4" = 1'-0"

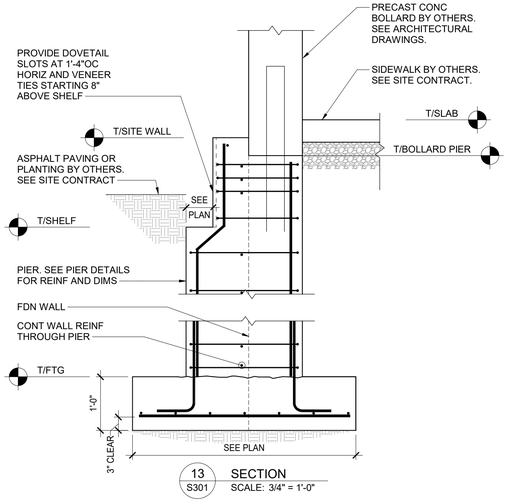
NOTE:
SEE 1/S301 FOR INFORMATION NOT SHOWN.



7 S301 SECTION
SCALE: 3/4" = 1'-0"

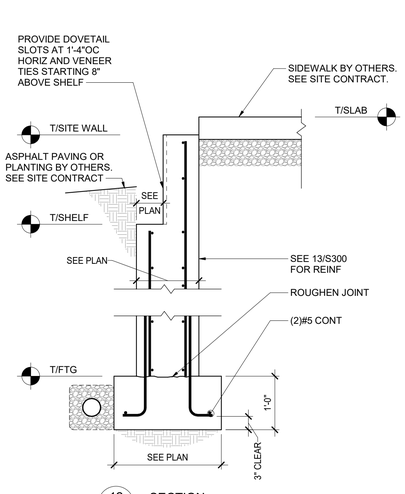


11 S301 SECTION
SCALE: 3/4" = 1'-0"

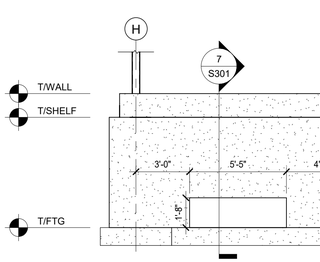


13 S301 SECTION
SCALE: 3/4" = 1'-0"

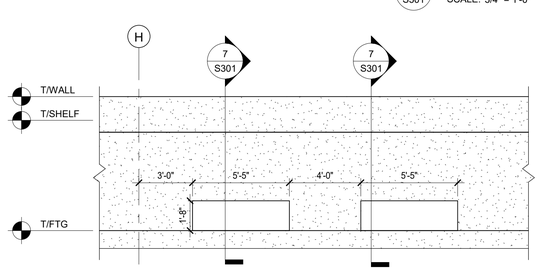
NOTE:
SEE 3/S301 FOR INFORMATION NOT SHOWN



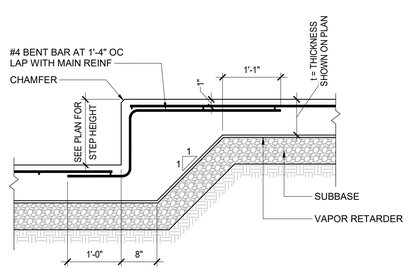
12 S301 SECTION
SCALE: 3/4" = 1'-0"



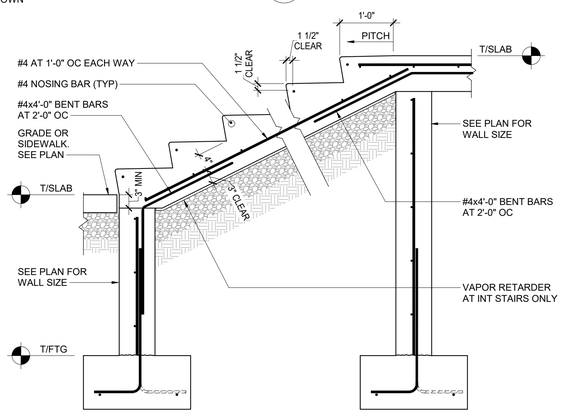
8 S301 CONCRETE WALL ELEVATION AT GEOTHERMAL WELL PENETRATIONS
SCALE: 1/4" = 1'-0"



9 S301 CONCRETE WALL ELEVATION AT GEOTHERMAL WELL PENETRATIONS - SITE WALL
SCALE: 1/4" = 1'-0"



6 S301 SLAB ON GRADE STEP
SCALE: 3/4" = 1'-0"



10 S301 SECTION AT STAIR ON GRADE
SCALE: 3/4" = 1'-0"

NOTE:
1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. USE EPOXY COATED REINF IN EXTERIOR STAIRS

REVISION SCHEDULE

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P.O. Box 12110
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FORENSIC. CONSULTANT: crime lab design
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I.T./SECURITY CONSULTANT: Convergent TECHNOLOGIES CONSULTING
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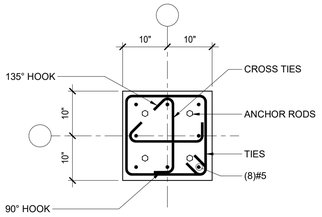
ORANGE COUNTY, NEW YORK

SHEET TITLE
FOUNDATION DETAILS CONT

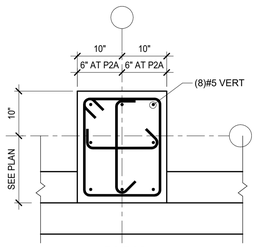
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As Indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.	20071
CLIENT PROJ. NO.	

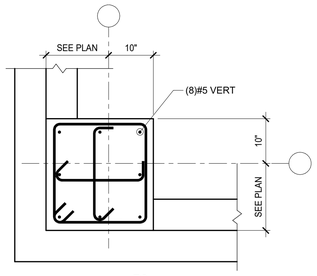
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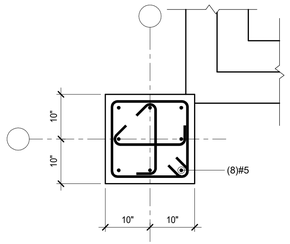
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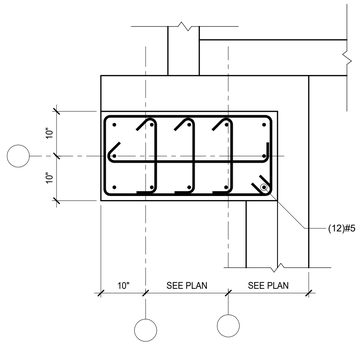
P2/P2A



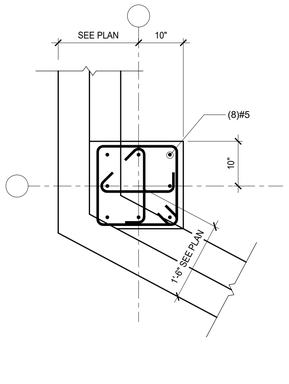
P3



P4



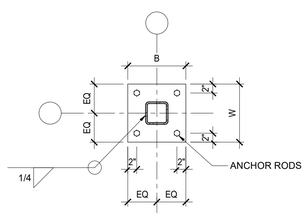
P5



P6

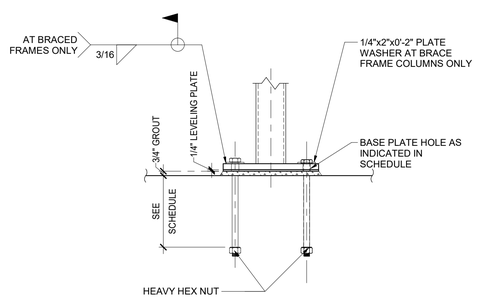
1 S302 PIER DETAILS
SCALE: 3/4" = 1'-0"

PIER NOTES:
1. TIES AND CROSS TIES ARE #4, TYPICAL UNLESS NOTED OTHERWISE. STAGGER HOOK LOCATION ON ALTERNATE TIES. STAGGER 90° HOOK LOCATION ON CROSS TIES.
2. SEE 2/S301, 3/S301, AND 5/S301 FOR TIE/CROSS TIES SPACING AND SECTION AT PIERS.
3. CONTINUE WALL REINFORCING THROUGH PIERS.
4. SEE THIS DRAWING FOR BASE PLATE DETAILS AND ANCHOR ROD INFORMATION. ALSO SEE BASE PLATE SCHEDULE.
5. WHERE VENEER SHELF IS LOWER THAN TOP OF PIER, BEND VERTICAL BARS AND PROVIDE TIES TO FIT THE REDUCED PLAN DIMENSIONS ABOVE THE SHELF. SEE 1/S301



TYPE 1/1A

2 S302 BASE PLATE DETAILS
SCALE: 3/4" = 1'-0"



3 S302 COLUMN BASE DETAILS
SCALE: 1" = 1'-0"

BASE PLATE SCHEDULE							
MARK	TYPE	W	B	THICKNESS	ANCHOR ROD	EMBEDMENT LENGTH	COMMENTS
BP1	1	1'-1"	1'-1"	3/4"	3/4"	1'-0"	
BP1A	1	1'-1"	1'-1"	3/4"	1"	1'-9"	AT BRACED FRAMES

COLUMN BASE, ANCHOR ROD HOLE AND WASHER SCHEDULE			
ANCHOR ROD DIAMETER	BASE PLATE HOLE DIAMETER	MINIMUM WASHER DIMENSIONS	MINIMUM WASHER THICKNESS
3/4"	1 5/16"	2"	1/4"
1"	1 13/16"	3"	3/8"
CIRCULAR OR SQUARE WASHERS MEETING ON THE SIZE SHOWN ARE ACCEPTABLE			

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

STATE OF NEW YORK · JUSTIN S PECHAR · 095080 · LICENSED PROFESSIONAL ENGINEER

HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
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Latham, NY 12110
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ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

FORENSIC CONSULTANT	M/E/P CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
crime lab design	FELLENZER ENGINEERING	Fagan Engineering & Land Surveying P.C.	Government Technologies	CLOSSIC COURTNEY INTERIORS, LLC	STUART-DEAN COMPANY

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SHEET TITLE
PIER, BASE PLATE AND ANCHOR ROD DETAILS

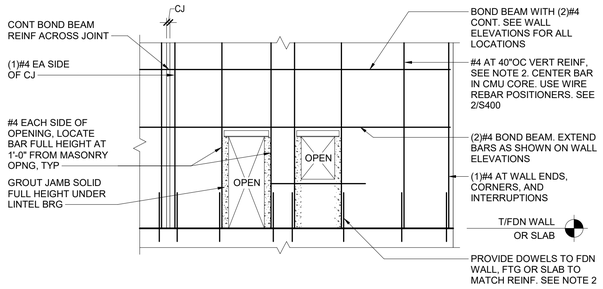
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
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DATE:	11/18/2022
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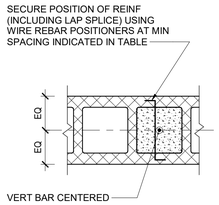
SHEET NUMBER

S302



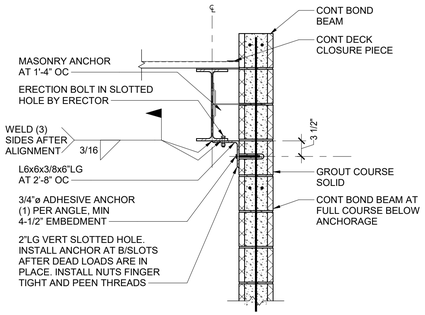
1 S400 MASONRY WALL REINFORCING ELEVATION
N.T.S

NOTES:
1. REINFORCING SHOWN IS TYPICAL UNLESS NOTED.
2. LAP REINFORCING BARS AS INDICATED IN THE MASONRY NOTES ON S001.
3. PROVIDE LADDER TYPE HORIZONTAL JOINT REINFORCING AT 1'-4" OC AND AT TOP TWO COURSES UNLESS NOTED OTHERWISE.
4. SEE LINTEL NOTES ON DRAWING S001 FOR SIZES OF LINTELS IN EXTERIOR VENEER.

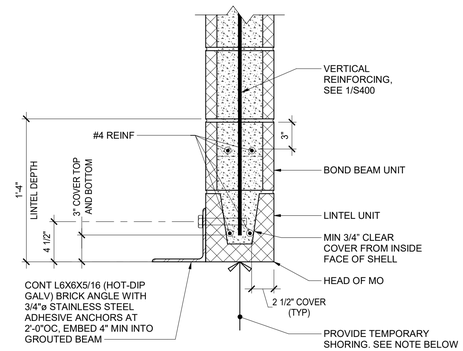


REBAR POSITIONER SPACING	
BAR SIZE	MAX VERTICAL SPACING
#4	56 INCHES
#5	64 INCHES

2 S400 PLAN DETAIL- REINFORCING IN CMU CORES
N.T.S

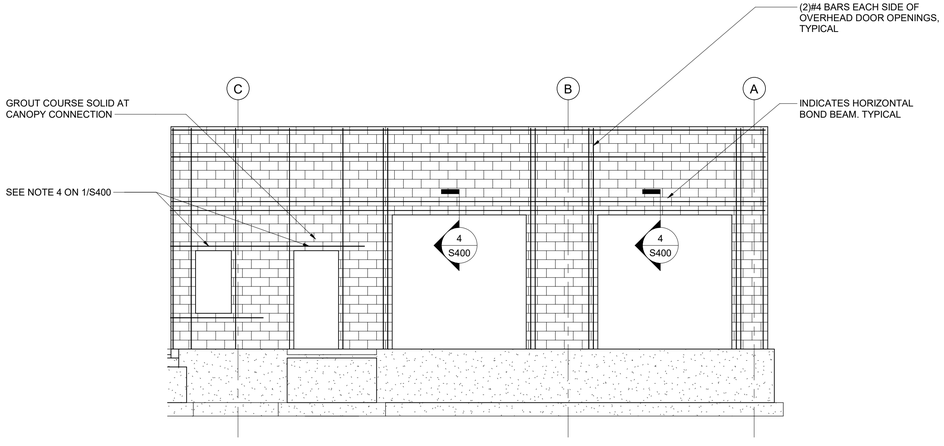


3 S400 CMU WALL ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"



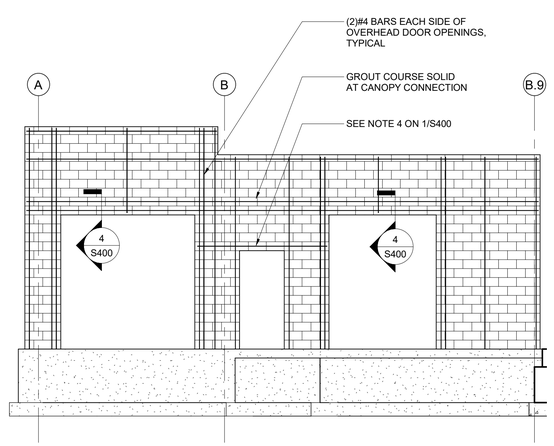
4 S400 REINFORCED CMU LINTEL
SCALE: 1 1/2" = 1'-0"

NOTE:
SHORE REINFORCED CMU LINTEL UNTIL MASONRY (INCLUDING GROUT) ABOVE LINTEL HAS CURED A MINIMUM OF 14 DAYS.



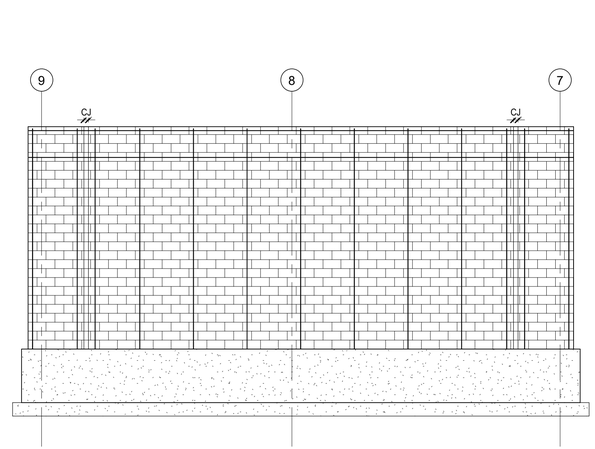
5 S400 EAST MASONRY WALL REINFORCING ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:
SEE 1/S400 FOR ADDITIONAL INFORMATION.



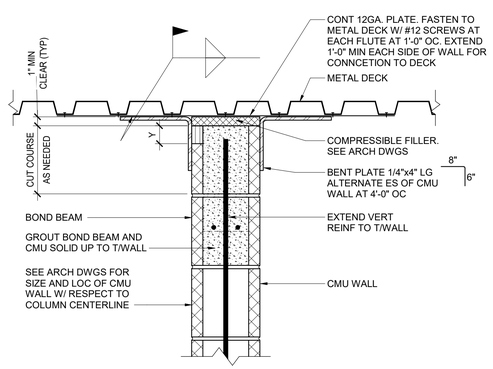
6 S400 WEST MASONRY WALL REINFORCING ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:
SEE 1/S400 FOR ADDITIONAL INFORMATION.



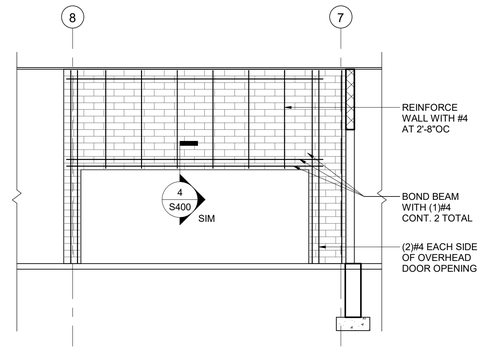
7 S400 SOUTH MASONRY SHEAR WALL REINFORCING ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:
SEE 1/S400 FOR ADDITIONAL INFORMATION.



8 S400 DETAIL AT TOP OF CMU WALL
N.T.S

NOTE:
Y (SHADED) INDICATES NOTCH FACE SHELL (4" MAXIMUM) AS REQUIRED FOR GROUTING. FILL SOLID WITH MORTAR ABOVE GROUT TO TOP OF CMU.



9 S400 INTERIOR MASONRY PARTITION WALL REINFORCING ELEVATION
SCALE: 3/16" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

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STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER 095080 MICHAEL S. PECHAR

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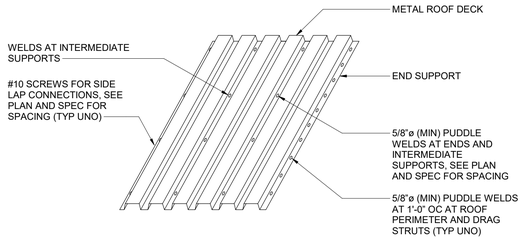
ORANGE COUNTY, NEW YORK

SHEET TITLE
MASONRY DETAILS

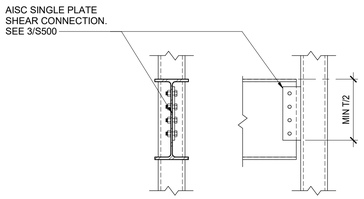
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
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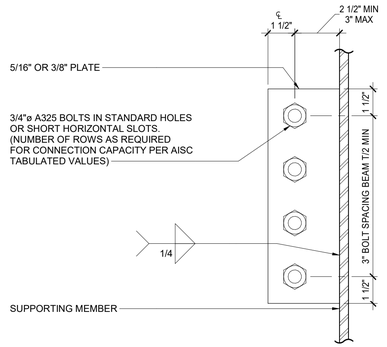
SHEET NUMBER
S400



1 S500 ROOF DECK ATTACHMENT DETAIL
N.T.S

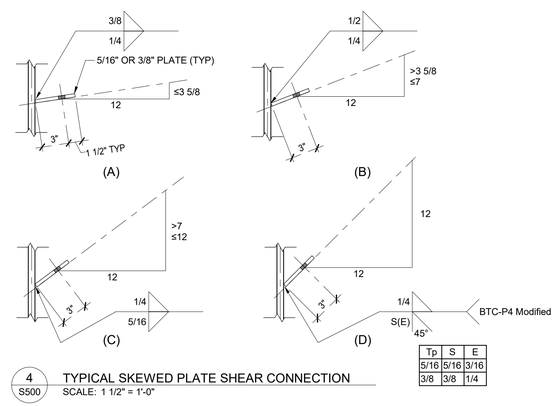


2 S500 CONNECTION DETAIL AT HSS COLUMN
SCALE: 3/4" = 1'-0"



3 S500 TYPICAL SINGLE-PLATE SHEAR CONNECTION
SCALE: 3" = 1'-0"

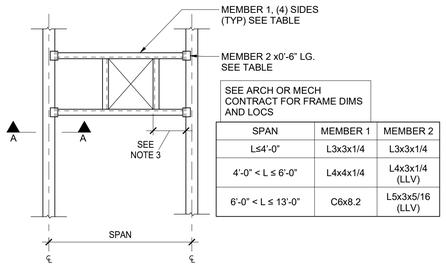
NOTES:
1. PROVIDE WASHERS IF SLOTS ARE USED. WASHER SHALL BE NOTED ON SHOP DRAWINGS.
2. SEE 4/S500 FOR TYPICAL SKEWED PLATE SHEAR CONNECTION.



Tp	S	E
5/16	5/16	3/16
3/8	3/8	1/4

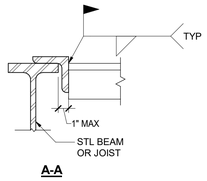
4 S500 TYPICAL SKEWED PLATE SHEAR CONNECTION
SCALE: 1 1/2" = 1'-0"

NOTES:
1. DETAILS SHOW A WELDED OPTION FOR SKEWED SHEAR CONNECTIONS. IF ALTERNATE SKEWED CONNECTION DETAIL IS DESIRED, IT SHALL BE SUBMITTED FOR REVIEW AND ACCEPTANCE PRIOR TO PRODUCING SHOP DRAWINGS



SPAN	MEMBER 1	MEMBER 2
L≤4'-0"	L3x3x1/4	L3x3x1/4
4'-0" < L ≤ 6'-0"	L4x4x1/4	L4x3x1/4 (LLV)
6'-0" < L ≤ 13'-0"	C6x8.2	L5x3x5/16 (LLV)

PLAN

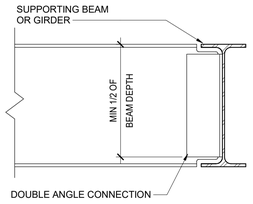


A-A

BEAM SHEAR CONNECTION SCHEDULE	
BEAM SIZE	MINIMUM CONNECTION SHEAR CAPACITIES; (FACTORED, Vu) (KIPS)
W8, W10, W12	10
W14	15
W16	25
W18	30
W21	35
W24	20

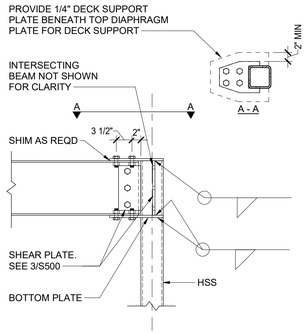
5 S500 WELDED ANGLE FRAME DETAIL
SCALE: 1/4" = 1'-0"

NOTES:
1. WHERE DIMENSION IS LESS THAN 8", OMIT MEMBER 1 PARALLEL TO EXISTING BEAM OR JOIST. TYPICAL (4) SIDES OF PENETRATION.



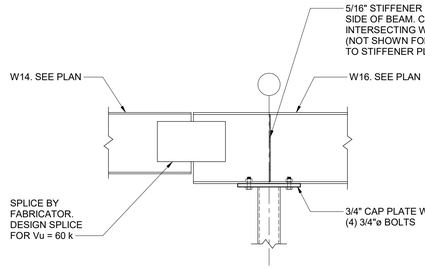
6 S500 DOUBLE ANGLE CONNECTION
SCALE: 1 1/2" = 1'-0"

NOTES:
1. DETAIL IS SCHEMATIC ONLY. SHEAR CONNECTION DESIGN IS REQUIRED BY FABRICATOR. SEE SPEC SECTION 051200

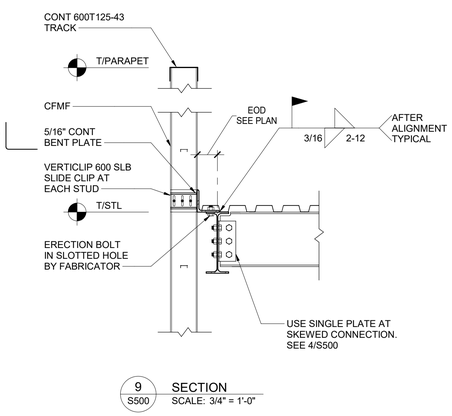


7 S500 MOMENT CONNECTION AT HSS COLUMN
SCALE: 3/4" = 1'-0"

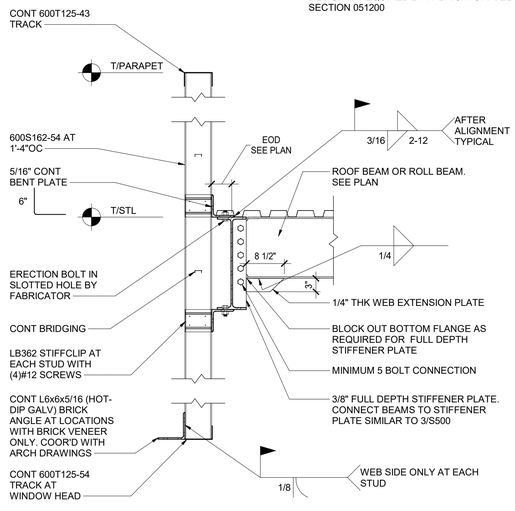
NOTES:
1. DETAIL IS SCHEMATIC ONLY. MOMENT CONNECTION DESIGN IS REQUIRED BY FABRICATOR. SEE SPEC SECTION 051200



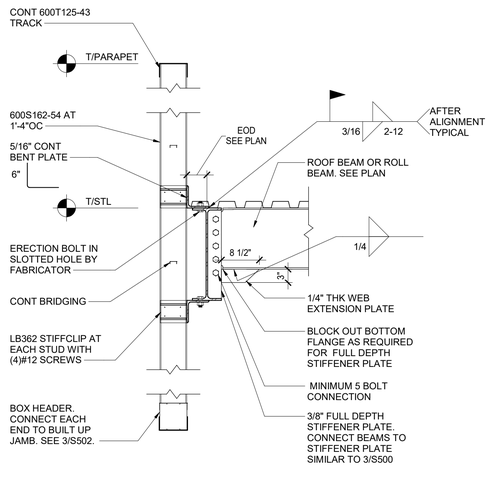
8 S500 BEAM CONTINUOUS OVER COLUMN
SCALE: 3/4" = 1'-0"



9 S500 SECTION
SCALE: 3/4" = 1'-0"



10 S500 SECTION AT STRIP WINDOW
SCALE: 3/4" = 1'-0"



11 S500 SECTION AT STRIP WINDOW
SCALE: 3/4" = 1'-0"

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

COST CONSULTANT: STUART-DEAN COMPANY
FP&E CONSULTANT: CLOUGH CONSTRUCTORS, LLC / INTERIORS, LLC
I.T./SECURITY CONSULTANT: Environmental Technologies
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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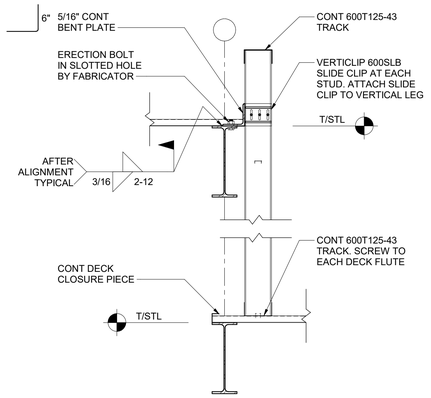
ORANGE COUNTY, NEW YORK

SHEET TITLE
STEEL FRAMING DETAILS

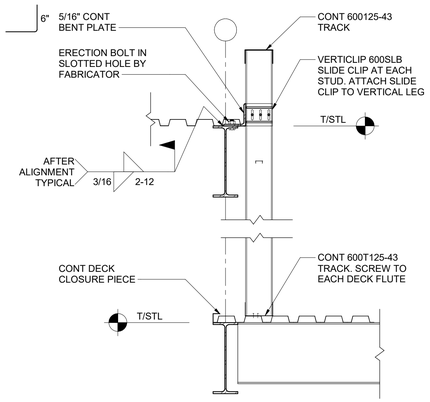
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

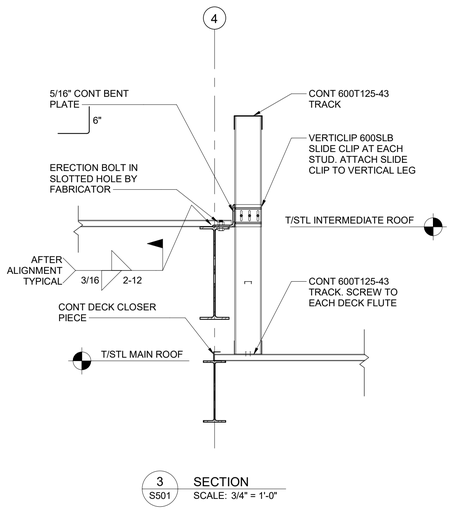
SHEET NUMBER
S500



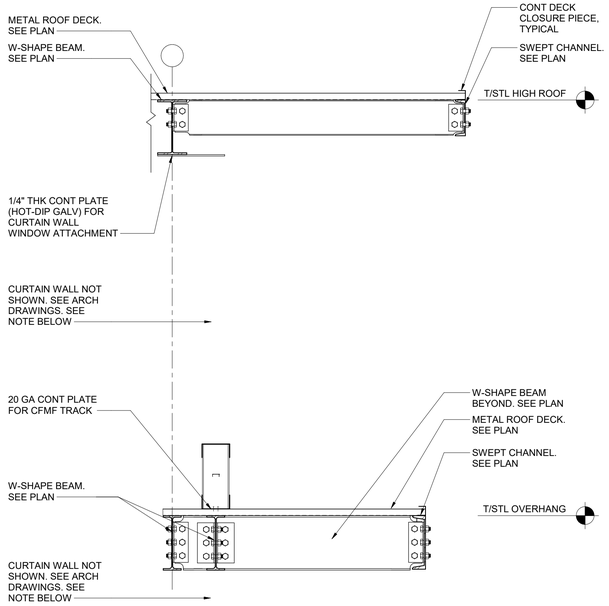
1 S501 SECTION
SCALE: 3/4" = 1'-0"



2 S501 SECTION
SCALE: 3/4" = 1'-0"

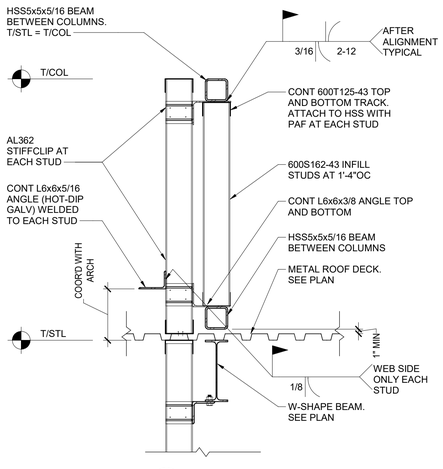


3 S501 SECTION
SCALE: 3/4" = 1'-0"



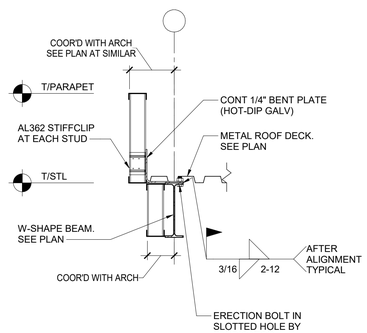
4 S501 SECTION
SCALE: 3/4" = 1'-0"

NOTE:
CONNECTION OF CURTAIN WALL TO STRUCTURE
BY CURTAIN WALL MANUFACTURER

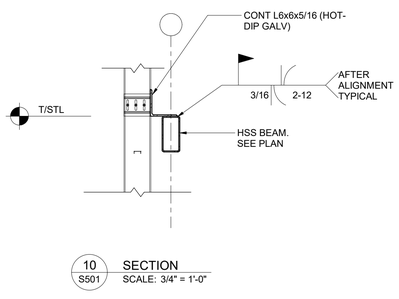


5 S501 SECTION
SCALE: 3/4" = 1'-0"

NOTE:
SEE DETAIL 9/S500 FOR INFO NOT SHOWN.

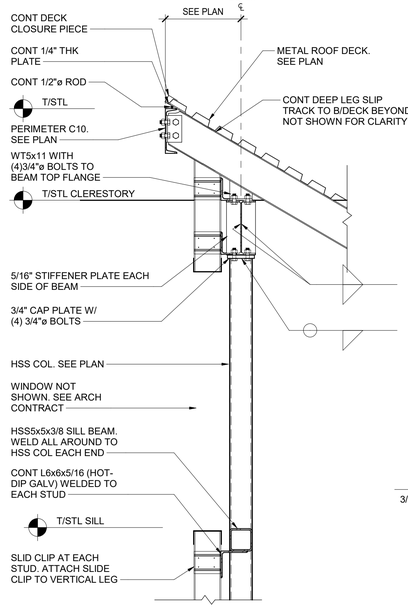


6 S501 SECTION
SCALE: 3/4" = 1'-0"



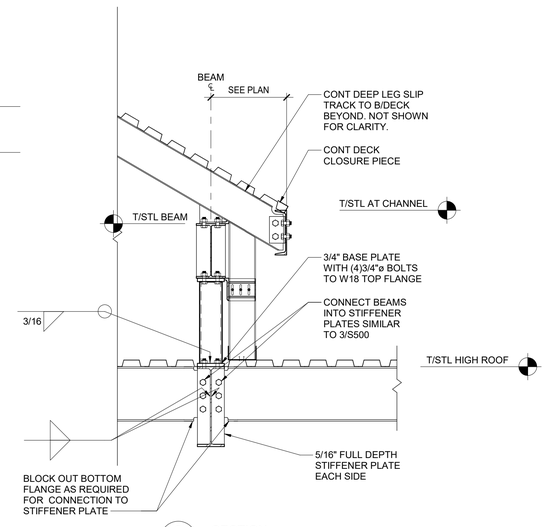
10 S501 SECTION
SCALE: 3/4" = 1'-0"

NOTE:
SEE DETAIL 9/S500 FOR INFO NOT SHOWN.



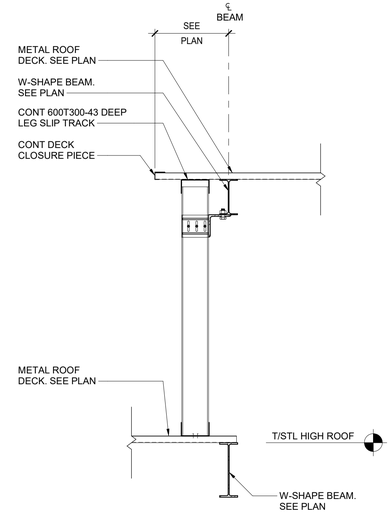
7 S501 SECTION
SCALE: 3/4" = 1'-0"

NOTE:
SEE DETAIL 10/S500 FOR INFO NOT SHOWN



8 S501 SECTION
SCALE: 3/4" = 1'-0"

NOTE:
SEE DETAIL 7/S501 AND 9/S500 FOR INFO NOT SHOWN



9 S501 SECTION
SCALE: 3/4" = 1'-0"

NOTE: SEE DETAIL 9/S500 FOR INFO NOT SHOWN

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

COST CONSULTANT: STUART-DEAN COMPANY
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: Government Technologies
CIVIL CONSULTANT: Faust Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

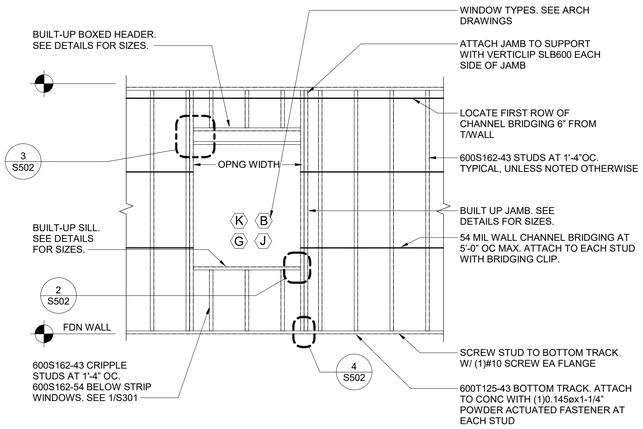
SHEET TITLE
STEEL FRAMING DETAILS CONT

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	3/4" = 1'-0"
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
S501

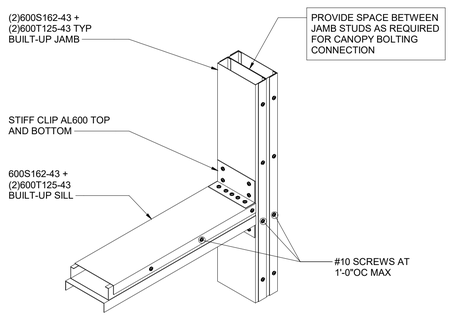
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1 S502 COLD-FORMED METAL FRAMING NON-BEARING WALL FRAMING ELEVATION

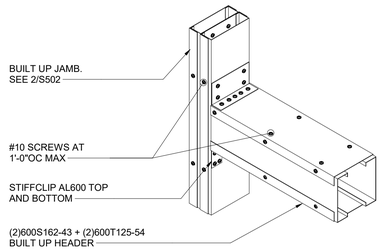
N.T.S

NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR OPENINGS SIZES AND LOCATIONS.
2. WINDOW OPENING SHOWN, PROVIDE THE SAME BUILT-UP JAMB STUDS AND BOXED HEADER AT DOORS AND WINDOWS.
3. WHERE REQUIRED, SUPPORT VENEER WITH LOOSE LINTEL. SEE LINTEL NOTES ON S001.



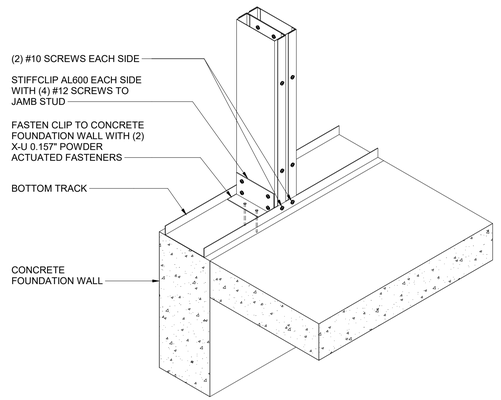
2 S502 SILL TO JAMB CONNECTION

N.T.S



3 S502 HEADER TO JAMB CONNECTION DETAIL

N.T.S



4 S502 JAMB CONNECTION DETAIL

N.T.S

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER 095080 JUSTIN S PECORA

HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 103
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Government Technologies
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

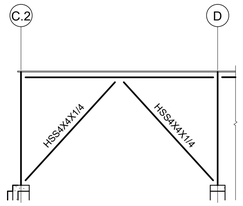
SHEET TITLE
COLD FORMED METAL FRAMING DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

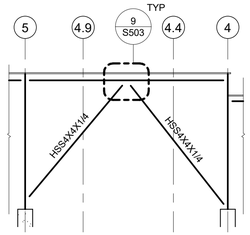
DATE:	11/18/2022
SCALE:	As Indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

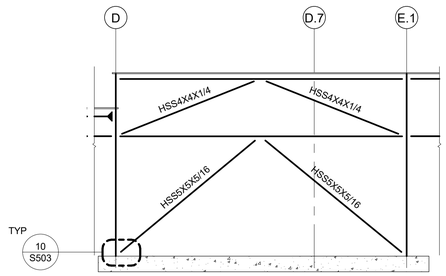
S502



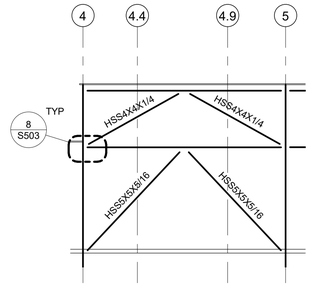
1 S503 BRACED FRAME BF-1
SCALE: 1/8" = 1'-0"



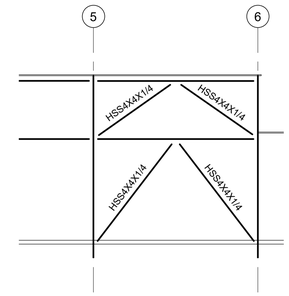
2 S503 BRACED FRAME BF-2
SCALE: 1/8" = 1'-0"



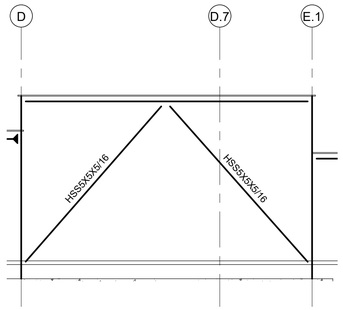
3 S503 BRACED FRAME BF-3
SCALE: 1/8" = 1'-0"



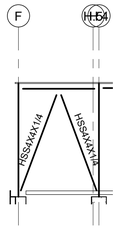
4 S503 BRACED FRAME BF-4
SCALE: 1/8" = 1'-0"



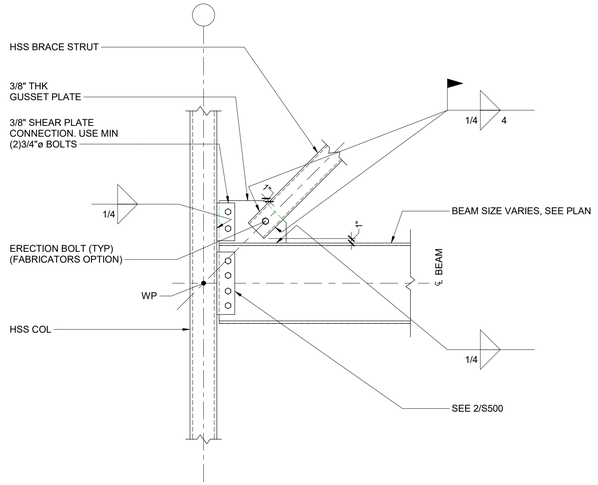
5 S503 BRACED FRAME BF-5
SCALE: 1/8" = 1'-0"



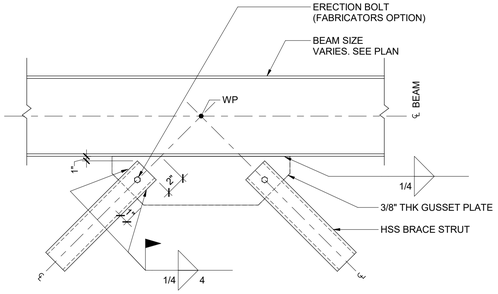
6 S503 BRACED FRAME BF-6
SCALE: 1/8" = 1'-0"



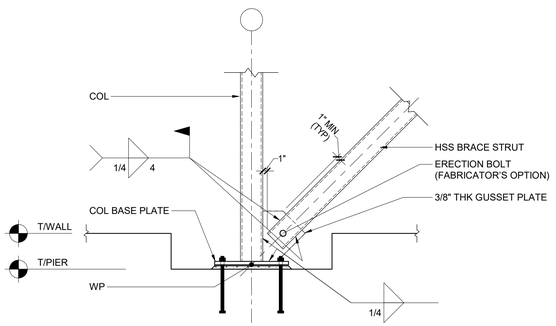
7 S503 BRACED FRAME BF-7
SCALE: 1/8" = 1'-0"



8 S503 TYPICAL BRACE CONNECTION DETAIL
N.T.S



9 S503 TYPICAL BRACE CONNECTION DETAIL
N.T.S



10 S503 COLUMN BASE/BRACE CONNECTION DETAIL
N.T.S

NOTES:
1. SLOT TUBE AND PROVIDE 4 LINES OF WELD. MINIMUM WELD LENGTH EQUALS WIDTH OF TUBE. PER AWS D1.1, SECTION 5.22.2, INCREASE WELD SIZE IF FIT-UP GAP EXCEEDS 1/16 INCH.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
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FF&E CONSULTANT	CLOSSIC COURSEY INTERIORS, LLC
COST CONSULTANT	STUART-DEAN COMPANY

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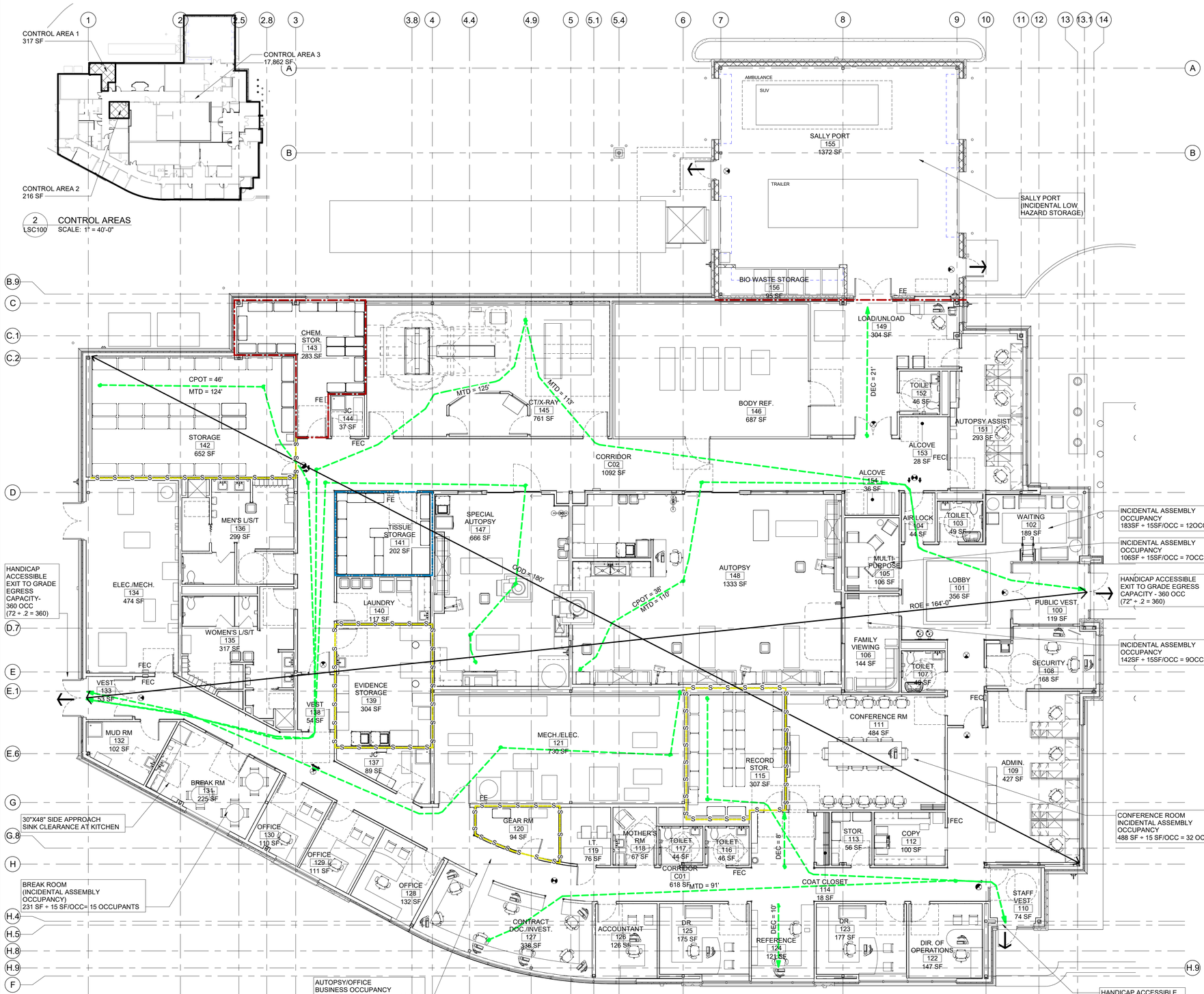
ORANGE COUNTY, NEW YORK

SHEET TITLE
BRACED FRAME ELEVATIONS AND DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	LK
CHECKED BY:	JP
APPROVED:	JP
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
S503



2 CONTROL AREAS
LSC100 SCALE: 1" = 40'-0"

1 LIFE SAFETY PLAN
LSC100 SCALE: 1/8" = 1'-0"

LIFE SAFETY SCHEDULE

PROJECT/BUILDING INFORMATION		
BUILDING SQUARE FOOTAGE: 17,839 SF		
BUILDING IS FULLY SPRINKLERED		
PROJECT IS LOCATED AT 22 WELLS FARM ROAD		
OCME BUILDING HAS 1 FLOOR AND NO BASEMENT		
CODE	INTERNATIONAL BUILDING CODE (2020 IBC AND IEBC)	ACTUAL / REMARKS (IF APPLICABLE)
OCCUPANCY	INCIDENTAL ASSEMBLY WITH BUSINESS	BUSINESS
CONSTRUCTION TYPE	IIB	IIB
ALLOWABLE STORIES & HEIGHT	75', 4 STORIES TABLES 504.3 & 504.4	18'-0"'
ALLOWABLE AREA	92,000 SF TABLE 506.2	17,839 SF
MAX. TRAVEL DISTANCE	300' TABLE 1017.2	125'-0"
COMMON PATH OF TRAVEL	100' 1006.2.1	38'-0"
MAXIMUM DEAD END CORRIDOR	50' 1020.4	21'-0"
REMOTENESS OF EXITS	NOT LESS THAN 1/3 MAX DISTANCE (180'-0"/3 = 60'-0") 107.1	164'-0"
REQUIRED NUMBER OF EXITS	2 1006.2.1 & 1006.3.2	(3) EXITS
MINIMUM CORRIDOR WIDTH	44" (3'-8") 1020.2	VARIES: 6'-0" TO 8'-6"
REQUIRED EGRESS WIDTH (PROJECT CORRIDOR)	44" 1020.2 .2"/186 - 37 1/2" 1005.1, 100.3.2	VARIES: 6'-0" TO 8'-6"
RATINGS - CORRIDORS	NO RATING REQUIRED 1020.1	0-HR RATED
RATING-WASTE	0-HR TABLE 509	(<100 SF) 0-HR RATING
RATING-STORAGE	0-HR TABLE 509	0-HR SMOKE LIMITING @ STORAGE, EVIDENCE AND GEAR ROOM 1-HR @ SALLY PORT
RATING-INSIDE LIQUID STORAGE ROOMS	2-HR (>150 FT² < 500 FT²) PER NFPA 30	2-HR @ TISSUE STORAGE
RATING- LIQUID STORAGE ROOM	1-HR (<300 FT²) PER NFPA 30	1-HR @ CHEM STORAGE CUTOFF ROOM
OCCUPANT LOAD		
BUSINESS	1 OCCUPANT/150 SF 111 (BUSINESS) 16689SF = 111	111 OCCUPANTS
ASSEMBLY	1 OCCUPANT/15 SF 1150SF = 75OCC	
BREAK ROOM	15 (ASSEMBLY)	15 OCCUPANTS
CONFERENCE	32 (ASSEMBLY)	32 OCCPANTS
FAMILY VIEWING	9 (ASSEMBLY)	9 OCCUPANTS
MULTI-PURPOSE	7 (ASSEMBLY)	7 OCCUPANTS
WAITING	12 (ASSEMBLY)	12 OCCUPANTS
		TOTAL OCC = 186

LIFE SAFETY LEGEND:

- EGRESS PATH
- NON FIRE RATED SMOKE LIMITING PARTITION
- 1 HR FIRE BARRIER (STAIR, SHAFT, EXIT ACCESS)(45 MINUTE DOOR AND 1 1/2 HR FIRE DAMPER)
- 2 HR FIRE RATED BARRIER (90 MINUTE DOOR AND 1 1/2 HR FIRE DAMPER)
- INDICATES EXIT ACCESS POINT
- EXIT SIGN
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER CABINET - SURFACE MOUNTED

LIFE SAFETY NOTES
CPOT- COMMON PATH OF TRAVEL
MTD- MAXIMUM TRAVEL DISTANCE
DEC- DEAD END CORRIDOR
ODD- OVERALL DIAGONAL DISTANCE
ROE- REMOTENESS OF EXITS

NOTE:

1. THE OVERALL PROJECT AREA IS 17,839 SF AND THE OVERALL FLOOR OCCUPANT LOAD = 186/3 EXIT DOORS =62. 62x.2 = 12 1/2" REQUIRED EGRESS WIDTH PER EXIT. 36" ACTUAL MINIMUM PROVIDED.
2. THE OVERALL FIRST FLOOR AREA IS 17,839 SF. INCIDENTAL SPACES CANNOT OCCUPY MORE THAN 10% OF THE FLOOR AREA OF THE STORY IN WHICH THEY ARE LOCATED; THEREFORE 1784 SF. THE OVERALL AGGREGATE ASSEMBLY FLOOR AREA IS 1150 SF WHICH IS 6% OF TOTAL FLOOR AREA.
3. PER NYS BUILDING CODE - IBS 303.1.2 AN ASSEMBLY SPACE WITH AN OCCUPANT LOAD OF LESS THAN 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A BUSINESS OCCUPANCY.

DAMPERS (NYS BUILDING CODE- 717.3.2.1)
(717.5.2) FIRE BARRIER (1 OR 2 HR) RATING - 1 1/2 HR FIRE DAMPER, DAMPER NOT REQ'D IF 1-HR OR LESS AND SPRINKLERED.
(717.3.2.4, 717.5.4, 717.5.4.1) FIRE PARTITION/CORRIDOR - 1-HR FIRE DAMPER, DAMPER NOT REQ'D IF 1-HR OR LESS AND SPRINKLERED.
(717.5.7) SMOKE LIMITING PARTITION - NO DAMPER REQ'D EXCEPT AT TRANSFER OPENING. SEAL AT DUCT PENETRATIONS W/ SAFING
(717.5.2.1) HORIZONTAL EXIT (2 HR RATING) - 1 1/2 HR FIRE / SMOKE DAMPER
(717.5.5) SMOKE BARRIER - SMOKE DAMPER, DAMPER NOT REQUIRED WHERE DUCT OPENINGS ARE LIMITED TO ONE SMOKE COMPARTMENT.
(717.5.3) SHAFT (1 OR 2 HR) RATING - 1 1/2 HR FIRE/SMOKE DAMPER

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
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COST CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
LT. SECURITY CONSULTANT: Convergent Technologies
CIVIL CONSULTANT: Fenn Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

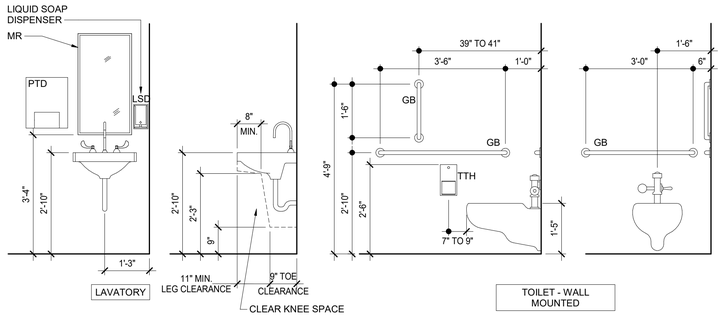
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
LIFE SAFETY PLAN

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	SWH
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

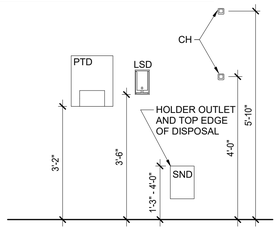
SHEET NUMBER
LSC100

TYPICAL MOUNTING HEIGHTS AT TOILET ROOMS UNLESS OTHERWISE NOTED.

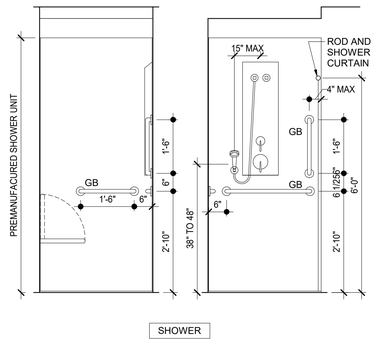


1 A001 TYPICAL TOILET ROOM MOUNTING DIMENSIONS
SCALE: 1/2" = 1'-0"

TYPICAL MOUNTING HEIGHTS, EXCLUDES TOILET ROOMS UNLESS OTHERWISE NOTED.



2 A001 TYPICAL TOILET ROOM MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"



3 A001 TYPICAL SHOWER FIXTURE MOUNTING DIMENSIONS
SCALE: 1/2" = 1'-0"

ACCESSORY LEGEND

CODE	ITEM
CL	CLOCK
CH	CLOTHING HOOK
DCS	DIAPER CHANGING STATION
GB	GRAB BAR
LSD	LIQUID SOAP DISPENSER
MR	MIRROR
PTD	PAPER TOWEL DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TTH	TOILET TISSUE DISPENSER
TEL	TELEPHONE
WB	WHITEBOARD

CONSTRUCTION NOTES:

1. LOCATE SIDE OF DOOR FRAMES 4" FROM PERPENDICULAR WALL UNLESS OTHERWISE INDICATED.
2. CONTRACTOR TO COORDINATE LOCATION OF ALL PARTITIONS ENCLOSING EQUIPMENT WITH APPROVED SHOP DRAWINGS.
3. PROVIDE 1/2" X 6" FIRE RETARDANT PLYWOOD BLOCKING OR 6" HIGH X 18 GA SHEET BLOCKING IN PARTITIONS AT ALL LOCATIONS WITH SURFACE APPLIED EQUIPMENT OR ACCESSORIES SUCH AS HANDRAILS, TOILET ACCESSORIES, WALL BUMPERS, WALL MOUNTED DOOR STOPS AND FOR SUPPORT OF WALL CABINETS, SHELVES, EQUIPMENT, ETC.
4. CONFIRM CHASE WALL DIMENSIONS WITH PLUMBING CONTRACTOR, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. MINOR ITEMS OF WORK SUCH AS, BLOCKING, TRIM, ETC. SHALL BE PERFORMED AS REQUIRED TO MAKE THE WORK COMPLETE WHETHER SHOWN OR NOTED ON THE CONTRACT DOCUMENTS OR NOT.

NOTE:
ALL ITEMS INDICATED ON THIS SHEET ARE FOR REFERENCE ONLY AND ARE N.I.C. UNLESS INDICATED ELSEWHERE IN DRAWINGS.

REVISION SCHEDULE

#	DESCRIPTION	DATE

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ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
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I.T./SECURITY CONSULTANT: Government Technologies
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
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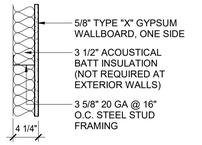
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
GENERAL NOTES, TYPICAL ELEVATIONS

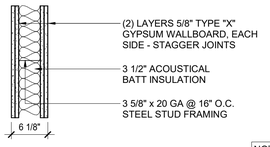
DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	JS
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A001



J08 PARTITION TYPE
SCALE: 1" = 1'-0"

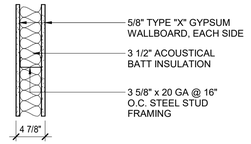
NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



J12 PARTITION TYPE
SCALE: 1" = 1'-0"

UL DESIGN No. U411 (WHERE 2 HR. RATING NOTED)

NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



J18 PARTITION TYPE
SCALE: 1" = 1'-0"

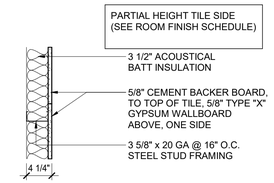
NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN

PARTITION TYPE NOTES

1. THE PARTITION TYPE SYMBOLS WILL KEY THE PARTITION TYPES ON PLANS.
2. ALL NEW PARTITIONS TO BE J18 UNLESS OTHERWISE NOTED. COORDINATE WITH PARTITION TYPE SCHEDULE.
3. APPLY 4" HIGH PAINTED STENCILED IDENTIFICATION LETTERING TO ALL FIRE RATED AND SMOKE PARTITIONS. SEE GYPSUM BOARD SPECIFICATION.

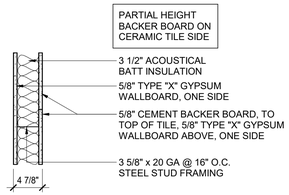
PARTITION TYPE SYMBOLS

- PARTITION TYPE
- HOURLY FIRE RATING: PARTITION EXTENDS TO BOTTOM OF STRUCTURE ABOVE.
- PARTITION TYPE
- PARTITION EXTENDS TO DECK ABOVE AND SEALED WITH SAFING.
- PARTITION TYPE
- FRAMING EXTENDS TO BOTTOM OF STRUCTURE ABOVE.
- FINISHES ONE SIDE EXTEND TO 6" ABOVE HIGHEST ADJACENT CEILING. FINISHES ONE SIDE EXTEND TO BOTTOM OF STRUCTURE ABOVE.
- --S — SUFFIX "S" INDICATES SMOKE BARRIER PARTITION - SEAL ONE SIDE TO DECK AND AROUND ALL PENETRATIONS.
- PARTITION TYPE
- PARTITION FRAMING EXTENDS TO STRUCTURE ABOVE. GYPSUM WALL BOARD TERMINATES 6" ABOVE HIGHEST ADJACENT CEILING.
- --PART — PARTIAL HEIGHT WALL TO UNDERSIDE OF COUNTER UNLESS OTHERWISE NOTED.



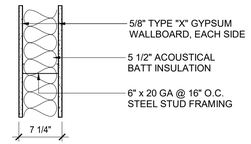
J32 PARTITION TYPE
SCALE: 1" = 1'-0"

NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



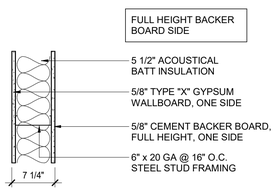
J35 PARTITION TYPE
SCALE: 1" = 1'-0"

NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



L18 PARTITION TYPE
SCALE: 1" = 1'-0"

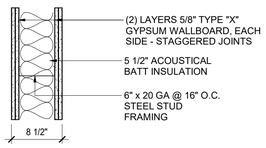
NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



L33 PARTITION TYPE
SCALE: 1" = 1'-0"

UL DESIGN No. U465 (WHERE 1 HR. RATING NOTED)

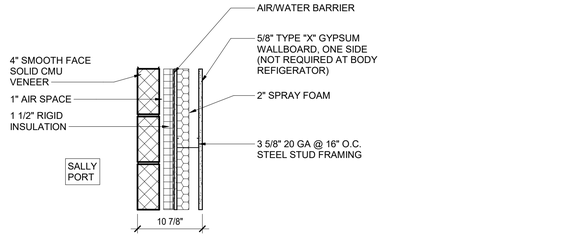
NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



L12 PARTITION TYPE
SCALE: 1" = 1'-0"

UL DESIGN No. U411 (WHERE 2 HR. RATING NOTED)

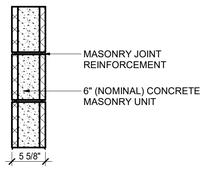
NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



D08 PARTITION TYPE
SCALE: 1" = 1'-0"

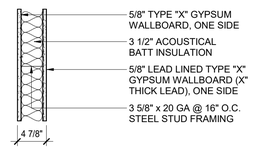
1 HR (FIRE RATING PROVIDED BY 4" SOLID CMU)

NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



E04 PARTITION TYPE
SCALE: 1" = 1'-0"

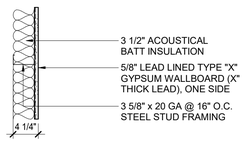
UL DESIGN No. U905 (WHERE 1 HR / 2 HR. RATING NOTED)



J40 PARTITION TYPE
SCALE: 1" = 1'-0"

UL DESIGN No. U465 (WHERE 1 HR. RATING NOTED)

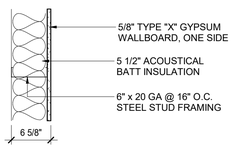
NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN



J43 PARTITION TYPE
SCALE: 1" = 1'-0"

UL DESIGN No. U465 (WHERE 1 HR. RATING NOTED)

NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN

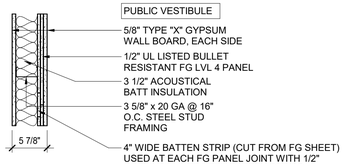


L08 PARTITION TYPE
SCALE: 1" = 1'-0"

NOTE: TYPE MMR GYPSUM WHERE INDICATED ON FINISH PLAN

SECURITY

PUBLIC VESTIBULE



JS18 PARTITION TYPE
SCALE: 1" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
P.O. Box 12110
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergent TECHNOLOGIES ENGINEERING
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

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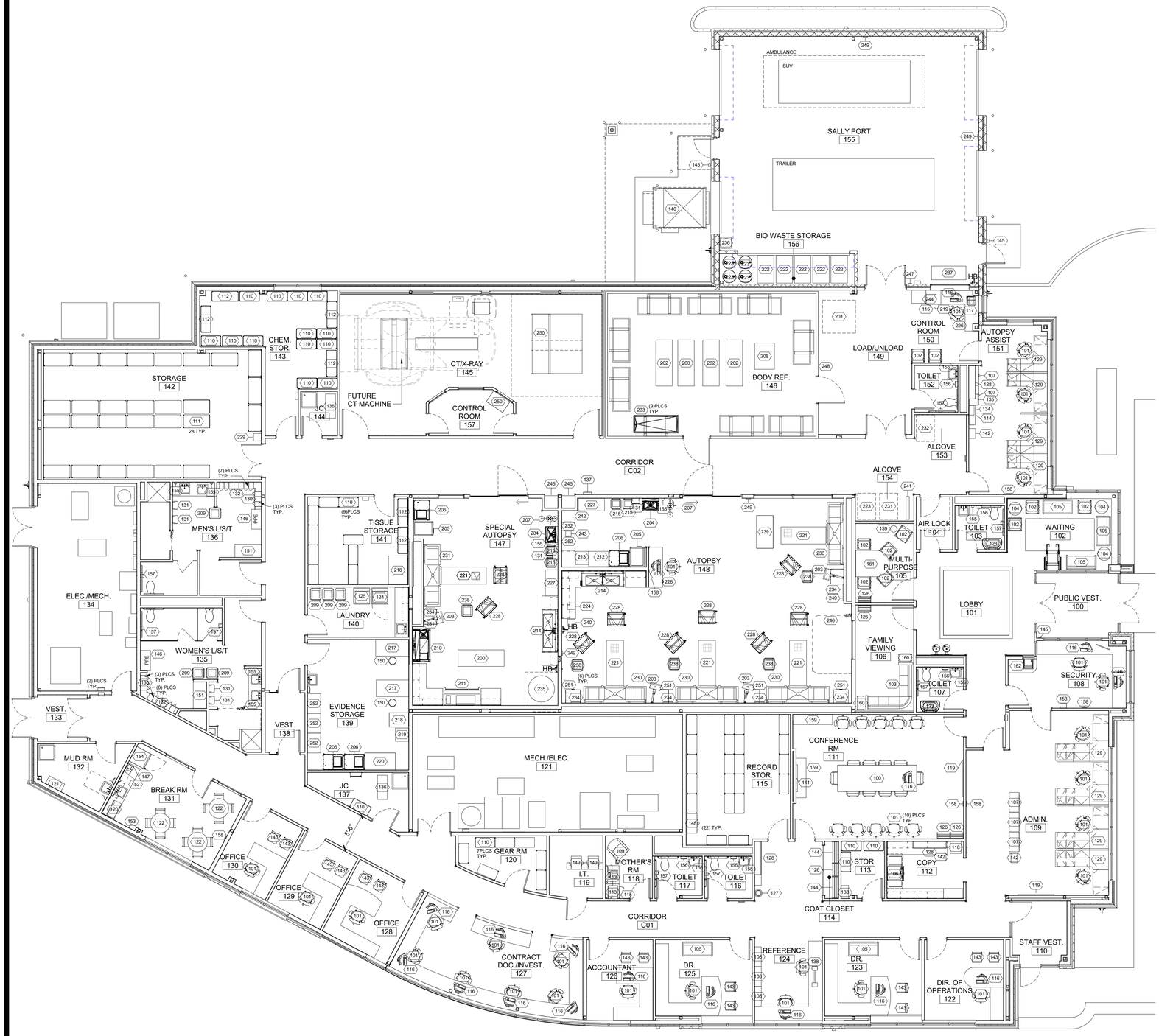
ORANGE COUNTY, NEW YORK

SHEET TITLE
WALL TYPES

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	JS
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A002



1 A100 EQUIPMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

CALLED NORTH

LEGEND:
O = OWNER OR OTHERS
C = GENERAL CONTRACTOR
EC = ELECTRICAL CONTRACT
PC = PLUMBING CONTRACT

NOTE: THIS DRAWING IS ISSUED FOR INFORMATION AND COORDINATION PURPOSES ONLY. ITEMS PROVIDED AND/OR INSTALLED BY CONTRACTOR ARE INDICATED AS "C" IN THE EQUIPMENT LEGEND. SEE REMAINDER OF ARCHITECTURAL DRAWINGS FOR MORE INFORMATION AND COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING TRADES WHERE REQUIRED FOR INSTALLATION.

EQUIPMENT LEGEND

EQPM NO.	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY
100 - GENERAL			
100	CONFERENCE TABLE AND CHAIRS	O	O
101	OFFICE CHAIR	O	O
102	WAITING CHAIR	O	O
103	SECTIONAL COUCH	O	O
104	LARGE CIRCLE END TABLE	O	O
105	SOFA (54")	O	O
106	COPIER	O	O
107	3 DRAWER LATERAL FILE CABINET	O	O
108	FULL HEIGHT BOOKCASE	O	O
109	ROCKING CHAIR	O	O
110	METRO WIRE STORAGE SHELVING (18"X36")	O	O
111	METRO WIRE STORAGE SHELVING (24"X48")	O	O
112	METRO WIRE STORAGE SHELVING (18"X48")	O	O
113	SMALL MICROWAVE	O	O
114	BOOKCASE (3) SHELVES	O	O
115	UNDERCOUNTER REFRIGERATOR	O	O
116	COMPUTER WITH DESKTOP AND PHONE	O	O
117	DESKTOP PRINTER	O	O
118	SHREDDER	O	O
119	WHITEBOARD (66"X42")	C	C
120	MICROWAVE	O	O
121	BOOT TRAY	O	O
122	BREAK ROOM TABLE AND CHAIRS	O	O
123	DIAPER CHANGING STATION	C	C
124	DRYER	O	O
125	WASHER	O	O
126	WALL MOUNTED COAT RACK	O	O
127	WATER BUBBLER	O	O
128	MAIL ORGANIZER	O	O
129	MODULAR FURNITURE WORK STATION	O	O
130	DOUBLE TIER LOCKERS	C	C
131	TOUCHLESS PAPER TOWEL DISPENSER	C	C
132	FULL HEIGHT LOCKERS	C	C
133	WATER BOTTLE STAND	O	O
134	TISSUE CASSETTE BLOCK STORAGE CABINET (EXISTING)	O	O
135	SLIDE STORAGE CABINET (EXISTING)	O	O
136	JANITOR CART	O	O
137	RECESSED WASTE RECEPTACLE	C	C
138	TWO HEAD MICROSCOPE (EXISTING)	O	O
139	SMALL CIRCLE END TABLE	O	O
140	SCISSOR LIFT	C	C
141	WALL MONITOR	O	C
142	RECYCLING BIN	O	O
143	OFFICE WAITING CHAIR	O	O
144	WALL MOUNTED COAT RACK WITH 24 HANGERS	C	C
145	INTERCOM - BY EC	EC	EC
146	PPE CABINET	C	C
147	COFFEE MAKER	O	O
148	LATERAL FILE CABINET - 5 DRAWER (36" WIDE)	O	O
149	IT EQUIPMENT - BY EC	EC	EC
150	STOOL	O	O
151	BENCH	C	C
152	TOASTER	O	O
153	AUTOMATED EXTERNAL DEFIBRILLATOR (AED)	O	C
154	REFRIGERATOR	O	O
155	LIQUID SOAP DISPENSER	C	C
156	PAPER TOWEL DISPENSER	C	C
157	TOILET PAPER DISPENSER	C	C
158	WALL CLOCK	O	O
159	CREDENZA	O	O
160	END TABLE	O	O
161	MULTI-PURPOSE TABLE	O	O
162	PASS-THRU SECUITY DRAWER	C	C
200 - CLINICAL (SPECIFICATION SECTION 117800 TYP. UNO)			
200	BARIATRIC TRANSFER CARRIER	C	C
201	FLOOR SCALE	C	C
202	TRANSPORT CARRIER	C	C
203	WALL MOUNTED COMPUTER/MONITOR/KEYBOARD	C	C
204	STAINLESS STEEL HANDWASH SINK	PC	PC
205	REFIGERATOR/FREEZER COMBO (SECTION 117000)	C	C
206	DRYING CABINET (SECTION 117000)	C	C
207	EYEWASH/SHOWER SAFETY SYSTEM	PC	PC
208	BATTERY POWERED HYDRAULIC FORK LIFT	C	C
209	SOILED LINEN BIN (SECTION 102800)	C	C
210	GROSSING STATION	C	C
211	BIOSAFETY CABINET (SECTION 117000)	C	C
212	VENTILATED STORAGE CABINET	C	C
213	TALL STORAGE CABINET (24"X84")	C	C
214	S.S. 2 BAY WASH SINK	PC	PC
215	WASTE RECEPTACLE (SECTION 102800)	C	C
216	REFIGERATOR - DOUBLE DOOR	C	C
217	S.S. EVIDENCE TABLE	C	C
218	REFIGERATOR	C	C
219	SAFE - AS MANUFACTURED BY MESA MBF2620E OR EQUAL	C	C
220	LARGE DRYING CABINET (SECTION 117000)	C	C
221	AUTOPSY TABLE	C	C
222	MEDICAL WASTE CONTAINER (SECTION 102800)	C	C
223	TISSUE WASTE DRUM	C	C
224	CENTRIFUGE (EXISTING)	O	O
225	NOT USED	-	-
226	FILE CABINET	C	C
227	JANITORS CLOSET CABINET	C	C
228	UTILITY CART	C	C
229	BAG ROLL HOLDER (EXISTING)	O	O
230	AUTOPSY HEADWALL SYSTEM	C	C
231	ROLLING LADDER (EXISTING)	O	O
232	PORTABLE X-RAY MACHINE (EXISTING)	O	O
233	5 TIER CANTILEVER RACK WITH TRAYS	C	C
234	WHITEBOARD (18"X24")	C	C
235	BONE BOILING KETTLE WITH HOOD	C	C
236	SCISSOR LIFT POWER UNIT (SECTION 11319)	C	C
237	BODY LIFT (EXISTING)	O	O
238	HAZARDOUS WASTE RECEPTACLE	C	C
239	S.S. WORK TABLE	C	C
240	BONE VACUUM (EXISTING)	O	O
241	FOLDING PHOTO SCREEN PSS-3CC/AML AS MANUFACTURED BY R&B WIRE OR APPROVED EQUAL	C	C
242	BABY SCALE (EXISTING)	O	O
243	SMALL SCALE (EXISTING)	O	O
244	LAB SPECIMEN PICKUP BOX (EXISTING)	O	O
245	S.S. PPE CABINET (24"X24")	C	C
246	PRIVACY CURTAIN	C	C
247	RADIATION DETECTOR - AS MANUF. BY P-TECT SYSTEMS, RAD-D OR EQUAL	C	C
248	BODY REFIGERATOR	C	C
249	BUG ZAPPER - AS MANUF. BY FLOWTRON FC7800 OR EQUAL	C	C
250	X-RAY WITH EQUIPMENT CABINET	C	C
251	MOBILE STORAGE CABINET	C	C
252	TALL STORAGE CABINET (36"X84")	C	C

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN: HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 310
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

M/EP CONSULTANT: FELLENZER
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT: Environmental Technologies
FF&E CONSULTANT: CLOSES CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY
FORENSIC CONSULTANT: crime lab design

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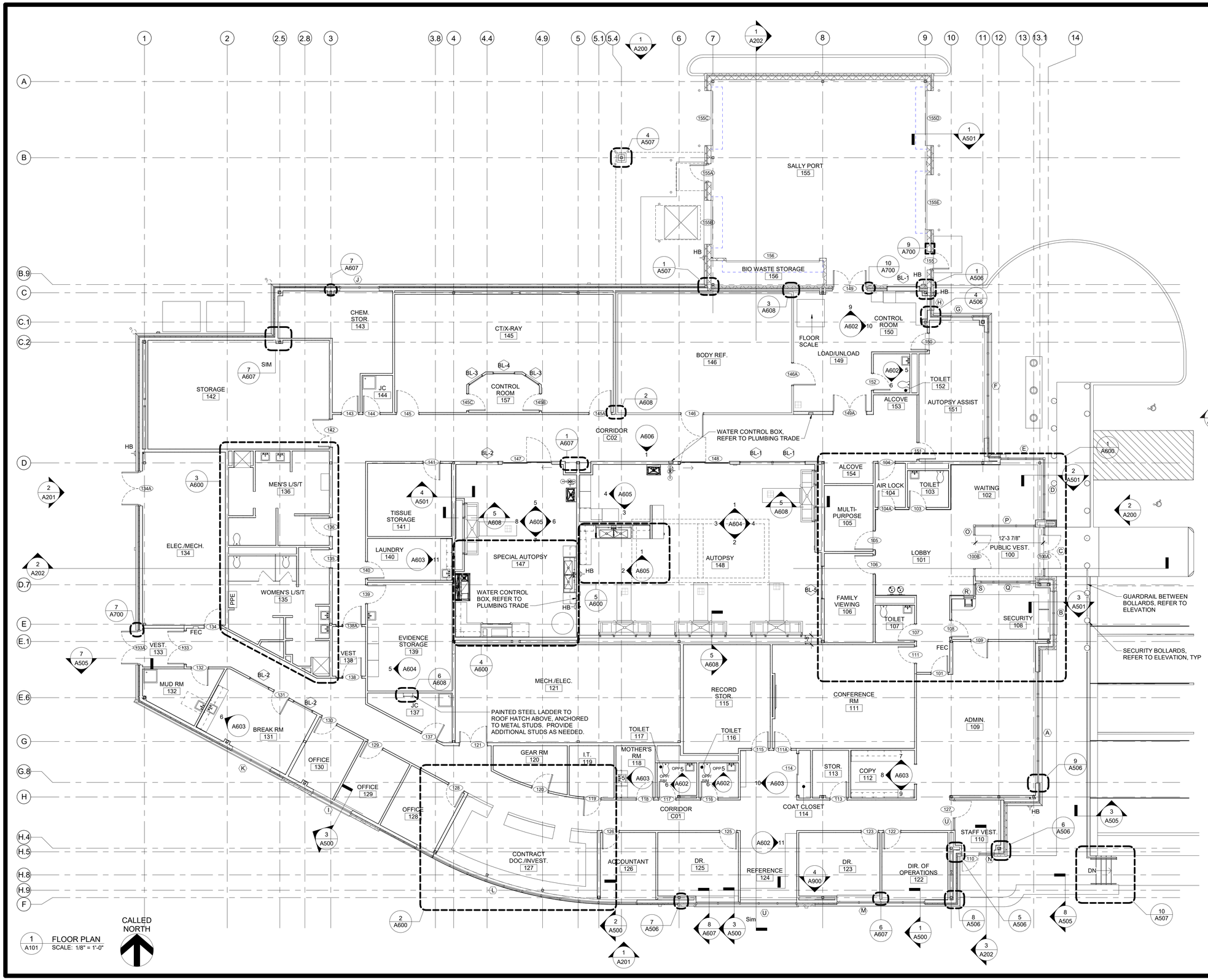
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE: FURNITURE & EQUIPMENT PLAN

DATE: 11/18/2022
SCALE: As indicated
DRAWN BY: JMK
CHECKED BY: MD
APPROVED: MD
CLIENT APPROVAL:
HHA PROJ. NO.: 20071
CLIENT PROJ. NO.:

SHEET NUMBER
A100



REVISION SCHEDULE

#	DESCRIPTION	DATE

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800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/E/P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fuss Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT	Government Technologies
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

SHEET TITLE
FLOOR PLAN

DATE:	11/18/2022
SCALE:	1/8" = 1'-0"
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	22 WELLS FARM RD. GOSHEN NY 10924

SHEET NUMBER
A101

FLOOR PLAN LEGEND:

STEEL BOLLARDS. SEE DETAIL 1 / A505

CONCRETE BOLLARDS. SEE DETAIL 2 / A505

1 A102 DIMENSION PLAN
SCALE: 1/8" = 1'-0"

CALLED NORTH

NOTE: ALL INDICATED DIMENSIONS ARE TO CENTERLINE OF STEEL, FACE OF STUD AT GWB PARTITIONS, OR FACE OF CMU UNLESS NOTED OTHERWISE ON DRAWINGS

NOTE: SEE DRAWING A101 FOR LEGEND

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
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Latham, NY 12110
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www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/EP CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fuss Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT	Convergent TECHNOLOGIES
FF&E CONSULTANT	CLOSES CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

SHEET TITLE
DIMENSION PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/8" = 1'-0"
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20271
CLIENT PROJ. NO.:	

SHEET NUMBER
A102

ROOF PLAN GENERAL NOTES

1. PROVIDE WEATHER-TIGHT CONSTRUCTION AT ALL TIMES. PROVIDE TEMPORARY DRAINS, MEMBRANE, FLASHING AND ALL OTHER MEASURES NECESSARY TO AVOID WATER DAMAGE TO SPACES BELOW ROOF. PHASE ROOF REMOVALS AND REPLACEMENT AS NECESSARY TO ENSURE WEATHER-TIGHT CONSTRUCTION.
2. DRAWING INDICATES APPROXIMATE LOCATIONS OF ROOF PENETRATIONS AND SIZE OF ROOF. FIELD VERIFY PRIOR TO START OF WORK.
3. PROVIDE CRICKETS AT ALL CURBS AND CONSTRUCTIONS AS REQUIRED TO DIRECT WATER TO NEAREST ROOF DRAIN.
4. COORDINATE SIZE, NUMBER, AND LOCATION OF ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTS.
5. PROVIDE WALKWAY PADS COMPLETELY AROUND ALL ROOF TOP EQUIPMENT.

LEGEND:

- RD — ROOF DRAIN BY PLUMBING CONTRACT.
- RD — DUAL PRIMARY AND SECONDARY ROOF DRAIN UNIT BY PLUMBING CONTRACT. PROVIDE 3" COLLAR EXTENSION AT ALL SECONDARY ROOF DRAINS.
- ROOF CRICKET AND DIRECTION OF SLOPE
- EF — EXHAUST FAN, COORDINATE WITH ELECTRICAL CONTRACT
- ERV / CDU / RV — ROOF TOP MECHANICAL EQUIPMENTCOORDINATE WITH MECHANICAL CONTRACT

1 A103 ROOF PLAN
SCALE: 1/8" = 1'-0"

2 A103 INTERMEDIATE ROOF - AT ENTRY
SCALE: 1/8" = 1'-0"

CALLED NORTH

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COST CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
LT. SECURITY CONSULTANT: Governments Technologies
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

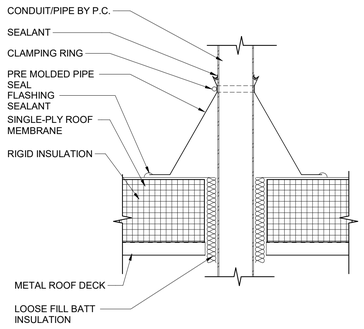
SHEET TITLE: ROOF PLAN

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JS/JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20371
CLIENT PROJ. NO.:	

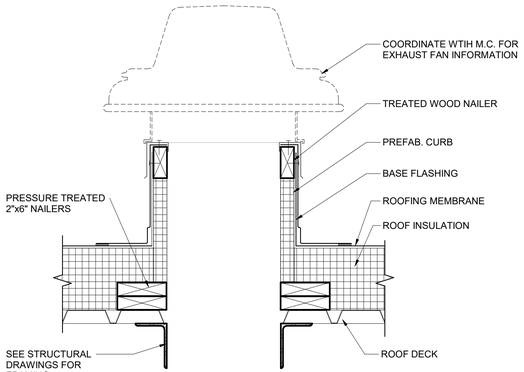
20 WELLS FARM RD.
GOSHEN, NY 10924

SHEET NUMBER

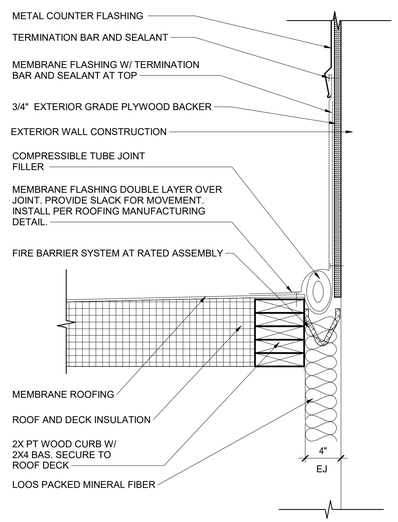
A103



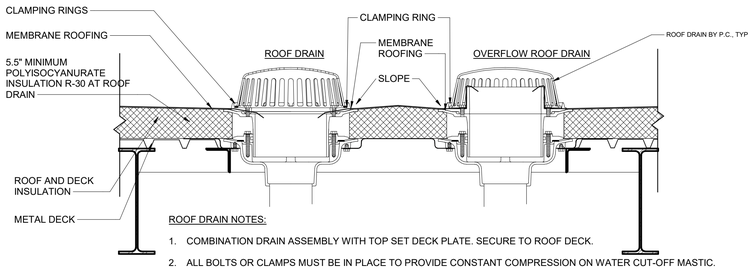
1 A104 DETAIL - ROOF CONDUIT/PIPE PENETRATION
SCALE: 1 1/2" = 1'-0"



2 A104 DETAIL - ROOF PENETRATION FOR FAN
SCALE: 1 1/2" = 1'-0"



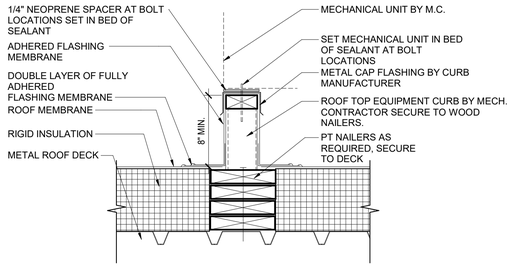
3 A104 DETAIL - EXPANSION JOINT AT WALL
SCALE: 1 1/2" = 1'-0"



ROOF DRAIN NOTES:

1. COMBINATION DRAIN ASSEMBLY WITH TOP SET DECK PLATE. SECURE TO ROOF DECK.
2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
3. CUT THE MEMBRANE SO IT EXTENDS A MINIMUM OF 1/2" FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RINGS.
4. FIELD SPLICES MUST BE LOCATED AT LEAST 6 INCHES OUTSIDE THE DRAIN SUMP.

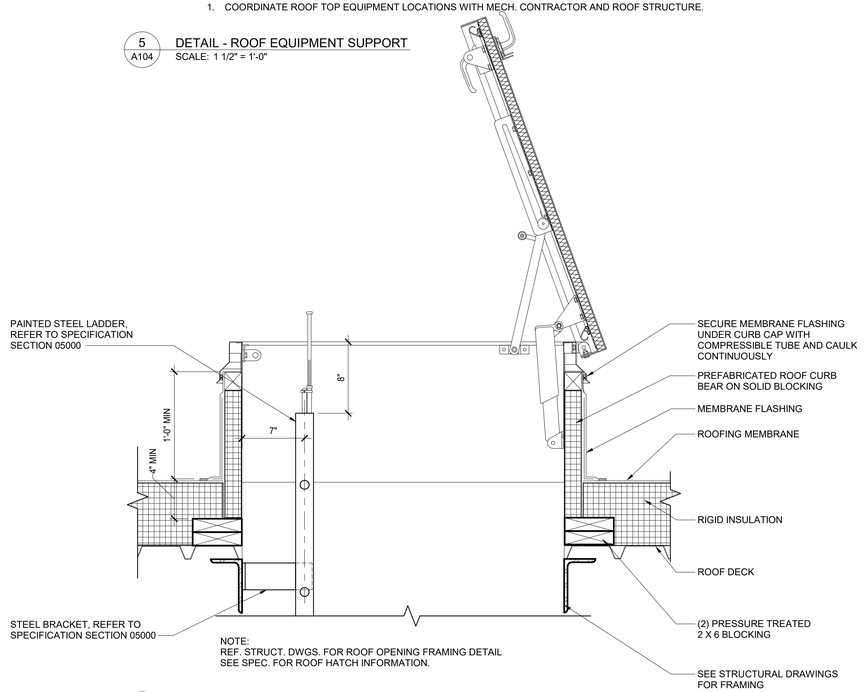
4 A104 DETAIL - ROOF DRAINS AT STEEL FRAMING
SCALE: 1" = 1'-0"



NOTE:

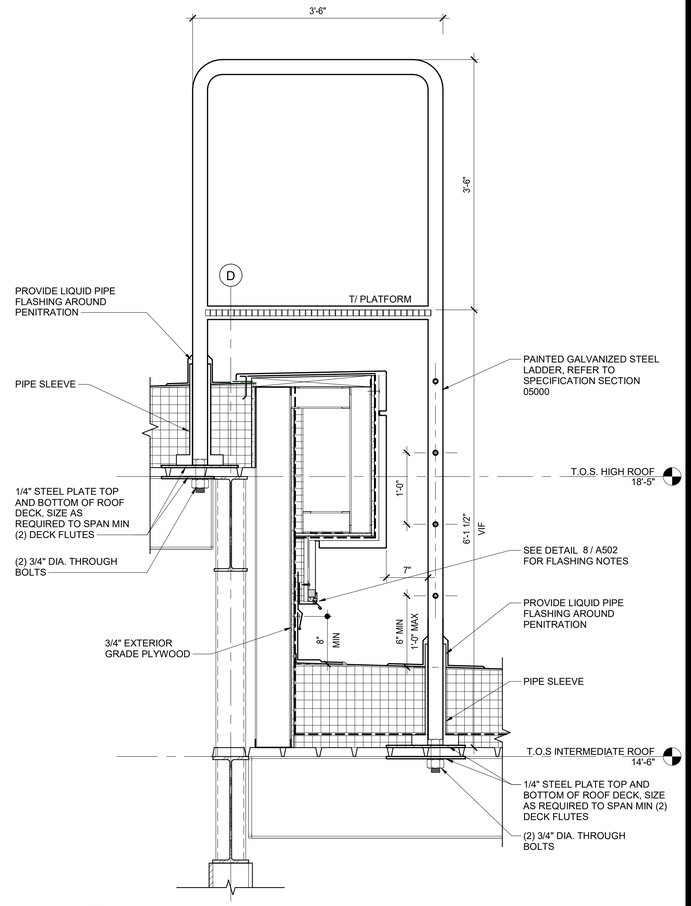
1. COORDINATE ROOF TOP EQUIPMENT LOCATIONS WITH MECH. CONTRACTOR AND ROOF STRUCTURE.

5 A104 DETAIL - ROOF EQUIPMENT SUPPORT
SCALE: 1 1/2" = 1'-0"



NOTE:
REF. STRUCT. DWGS. FOR ROOF OPENING FRAMING DETAIL
SEE SPEC. FOR ROOF HATCH INFORMATION.

6 A104 DETAIL ROOF HATCH
SCALE: 1 1/2" = 1'-0"



7 A104 WALL SECTION AT ROOF LADDER
SCALE: 1" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

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800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FP&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergent Technologies
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

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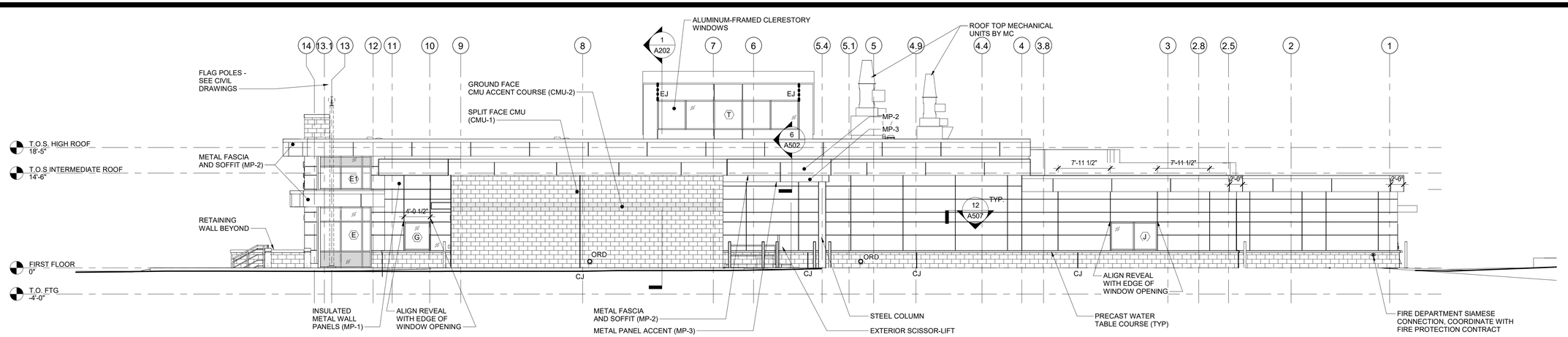
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

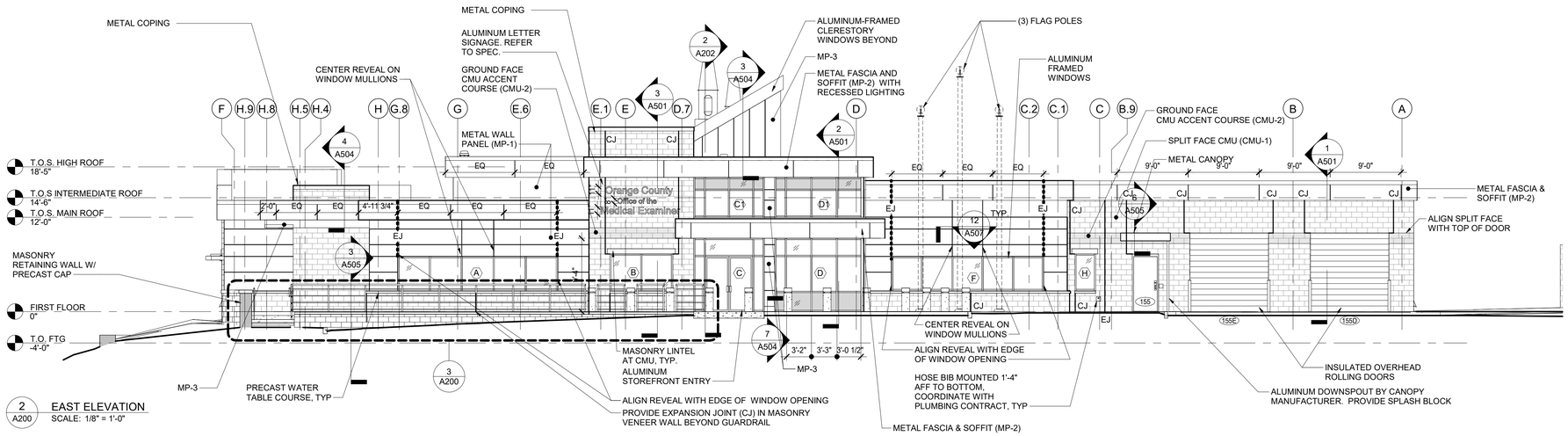
SHEET TITLE
ROOF DETAILS

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

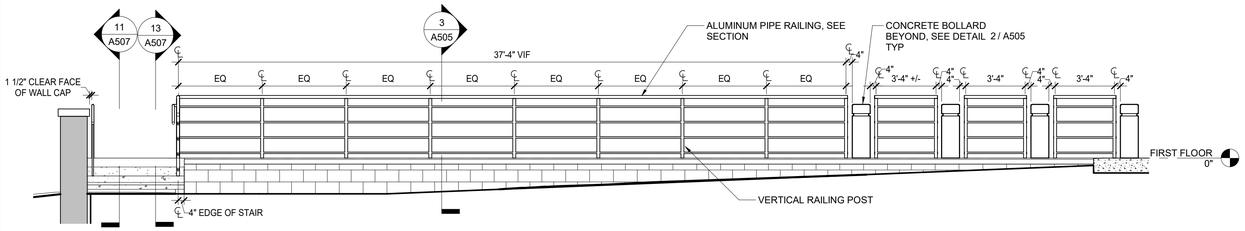
SHEET NUMBER
A104



1 A200 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



2 A200 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"



3 A200 **PARTIAL ELEVATION - ENTRY GUARDRAIL**
SCALE: 1/4" = 1'-0"

EXTERIOR ELEVATION LEGEND	
CJ	CONTROL JOINT, REFER TO DETAIL 7 / A507
EJ	EXPANSION JOINT, REFER TO DETAIL 8 / A507
ORD	OVERFLOR ROOF DRAIN OUTLET, COORDINATE WITH PLUMBING CONTRACT
MP-X	METAL PANEL. SEE SPEC SECTION 074213.16.
CMU-X	CONCRETE MASONRY UNIT. SEE SPEC SECTION 042200.

EXTERIOR ELEVATION NOTES

1. ALL METAL WALL PANEL REVEALS TO BE 1/2" WIDE.
2. PROVIDE WATER REPELENT COATING TYP., AT ALL EXPOSED MASONRY UNLESS NOTED OTHERWISE.
3. FINISHED FLOOR ELEVATION 0'-0" = ELEVATION 509.5' AS INDICATED ON CIVIL DRAWINGS. TYP THROUGHOUT

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
P.O. Box 12110
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergent Technologies ENGINEERING
CIVIL CONSULTANT	Fava Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

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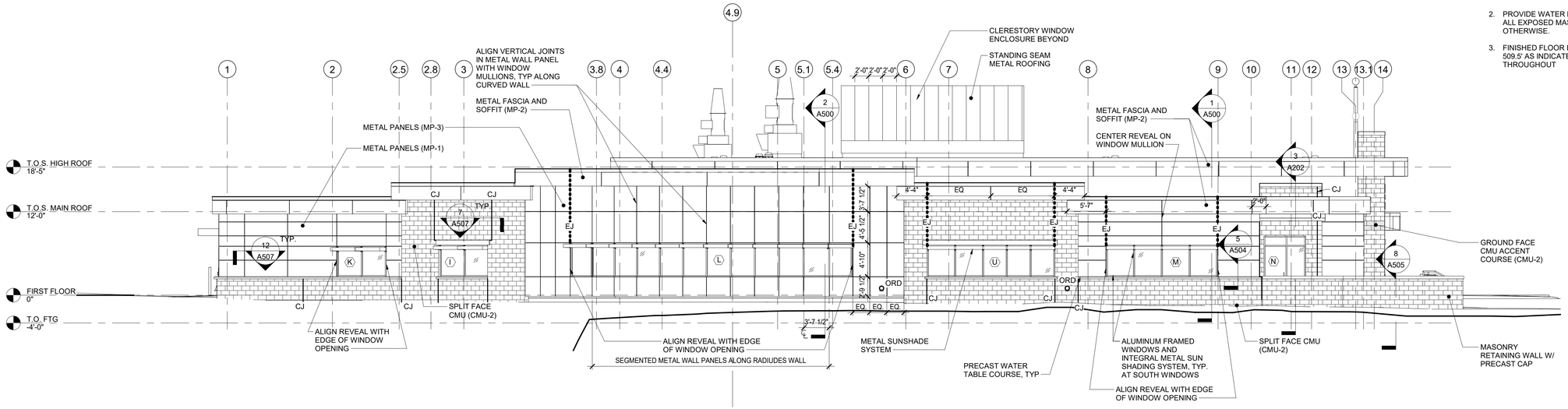
ORANGE COUNTY, NEW YORK

SHEET TITLE
EXTERIOR ELEVATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A200

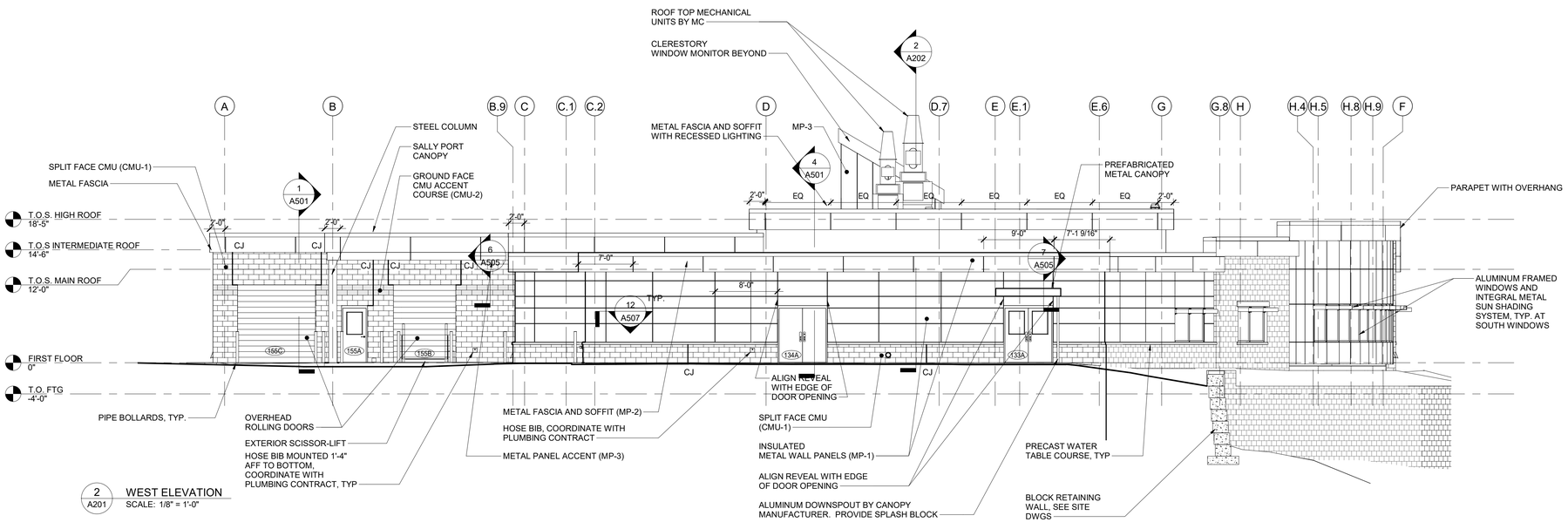


1 A201 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

1. ALL METAL WALL PANEL REVEALS TO BE 1/2" WIDE.
2. PROVIDE WATER REPELENT COATING TYP., AT ALL EXPOSED MASONRY UNLESS NOTED OTHERWISE.
3. FINISHED FLOOR ELEVATION 0'-0" = ELEVATION 509.5' AS INDICATED ON CIVIL DRAWINGS. TYP THROUGHOUT

EXTERIOR ELEVATION LEGEND	
CJ	CONTROL JOINT, REFER TO DETAIL 7 / A507
EJ	EXPANSION JOINT, REFER TO DETAIL 8 / A507
ORD	OVERFLOR ROOF DRAIN OUTLET, COORDINATE WITH PLUMBING CONTRACT
MP-X	METAL PANEL. SEE SPEC SECTION 074213.16.
CMU-X	CONCRETE MASONRY UNIT. SEE SPEC SECTION 042200.



2 A201 WEST ELEVATION
SCALE: 1/8" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

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Suite 101
Latham, NY 12110
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FORENSIC CONSULTANT	crime lab design
M&P CONSULTANT	FELLENZER
CIVIL CONSULTANT	Fuss Engineering & Land Surveying P.C.
LT.SECURITY CONSULTANT	Convergent Technologies
FF&E CONSULTANT	CLIENTS CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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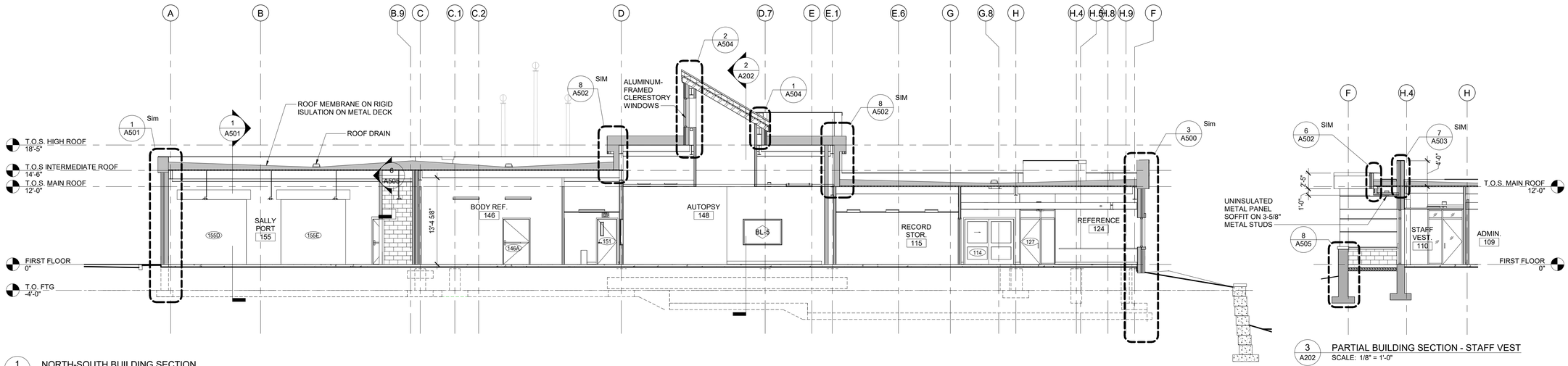
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

SHEET TITLE
EXTERIOR ELEVATIONS

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JS/JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

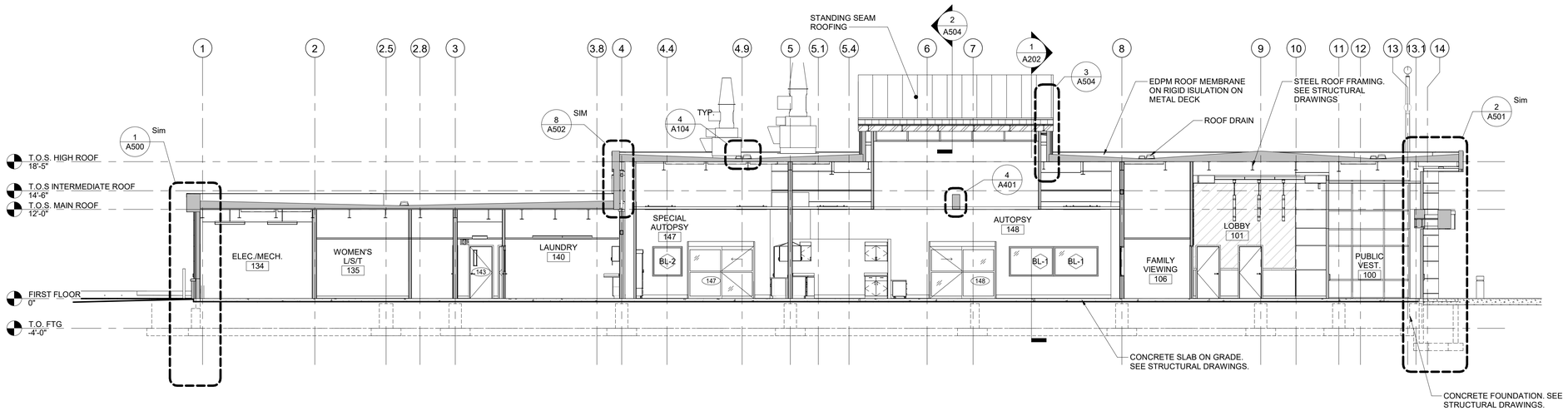
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET NUMBER
A201



1 A202 NORTH-SOUTH BUILDING SECTION
SCALE: 1/8" = 1'-0"

3 A202 PARTIAL BUILDING SECTION - STAFF VEST
SCALE: 1/8" = 1'-0"



2 A202 EAST-WEST BUILDING SECTION
SCALE: 1/8" = 1'-0"

NOTE:

FINISHED FLOOR ELEVATION 0'-0" = ELEVATION 509.5' AS INDICATED ON CIVIL DRAWINGS. TYP THROUGHOUT

REVISION SCHEDULE

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FORENSIC CONSULTANT: crime lab design
M/E/P CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT: Government Technologies
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
BUILDING SECTIONS

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A202

CEILING LEGEND:

- ACOUSTICAL PANEL CEILING
- GYPSUM BOARD CEILING, BULKHEAD, SOFFIT AND FASCIA
- 6"x48" LINEAR METAL CEILING
- 12"x48" LINEAR METAL CEILING
- 2'x4' RECESSED LIGHT FIXTURE BY ELECTRICAL CONTRACT.
- 2'x4' RECESSED LIGHT FIXTURE BY ELECTRICAL CONTRACT.
- 2'x2' RECESSED LIGHT FIXTURE BY ELECTRICAL CONTRACT.
- RECESSED LINEAR LIGHT FIXTURE (LENGTH VARIES) BY ELECTRICAL CONTRACT.
- RECESSED LIGHT FIXTURE BY ELECTRICAL CONTRACT.
- DECORATIVE PENDANT LIGHT BY ELECTRICAL CONTRACTOR.
- SUPPLY GRILLE - COORDINATE WITH MECHANICAL CONTRACTOR.
- EXHAUST/ RETURN GRILLE - COORDINATE WITH MECHANICAL CONTRACTOR.
- CT — PRIVACY CURTAIN TRACK
- CEILING GRID START POINT
- WALL / CEILING MOUNTED EXIT SIGN
- X — CEILING MATERIAL TAG
- WS — WINDOW SHADE

1 A400 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

2 A400 INTERMEDIATE RCP
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. VERIFY FINAL LOCATION OF ALL CEILING FIXTURES WITH MECHANICAL AND ELECTRICAL CONTRACTORS PRIOR TO INSTALLATION OF CEILING SYSTEM.
2. SOFFITS ARE TO BE 5/8" GYPSUM WALL BOARD ON 3 5/8" METAL STUDS AT 1'-0" O.C. UNLESS OTHERWISE NOTED.
3. ALL SOFFITS AT WALL CABINETS TO OVERHANG EXPOSED CABINET SIDES 1". BOTTOM OF ALL SUCH SOFFITS TO BE 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS ON REFLECTED CEILING PLAN ARE TO FACE OF FINISHED SURFACE UNLESS NOTED OTHERWISE.
5. LIGHT FIXTURES, SPRINKLER HEADS, ETC. TO BE LOCATED CENTERED ON CEILING TILE UNLESS OTHERWISE INDICATED.
6. ALL SUSPENDED CEILING SYSTEMS ARE TO BE CENTERED WITHIN THE OVERALL DIMENSIONS OF THE ROOM UNLESS NOTED OTHERWISE.
7. REFER TO FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
8. ALL CEILING HEIGHTS TO BE 8'-0" A.F.F. UNLESS NOTED OTHERWISE.
9. SEE SPECIFICATION SECTION 083113 FOR ACCESS DOORS TO BE LOCATED IN FIELD.

NOTE: ALL CEILINGS TO BE APC-1 UNLESS NOTED OTHERWISE.

NOTE:

FINISHED FLOOR ELEVATION 0'-0" = ELEVATION 509.5' AS INDICATED ON CIVIL DRAWINGS. TYP THROUGHOUT

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

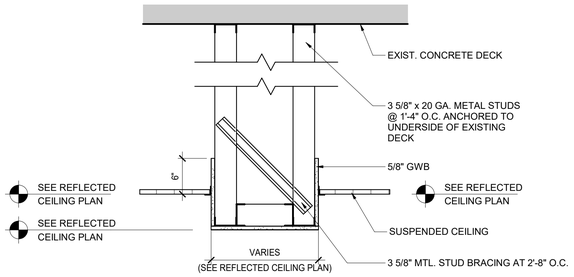
SHEET TITLE
REFLECTED CEILING PLAN

DATE:	11/18/2022
SCALE:	As indicated
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ NO.:	

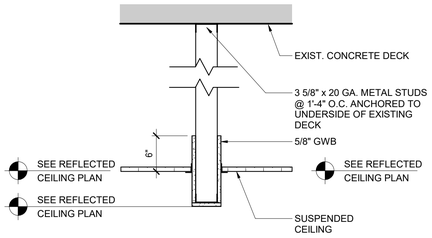
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET NUMBER
A400

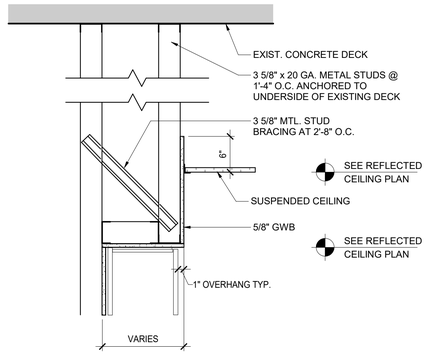
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



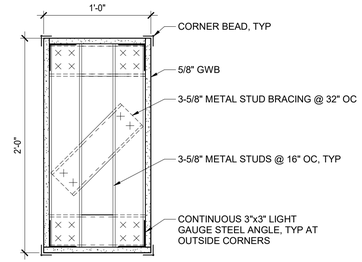
1 A401 TYPICAL SOFFIT DETAIL
SCALE: 1" = 1'-0"



2 A401 TYPICAL BULKHEAD DETAIL
SCALE: 1" = 1'-0"



3 A401 DETAIL - GYPSUM WALLBOARD SOFFIT AT WALL
SCALE: 1" = 1'-0"



4 A401 DETAIL - SOFFIT AT AUTOPSY
SCALE: 1 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/E/P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Faust Engineering & Land Surveying P.C.
LT SECURITY CONSULTANT	Government Technologies
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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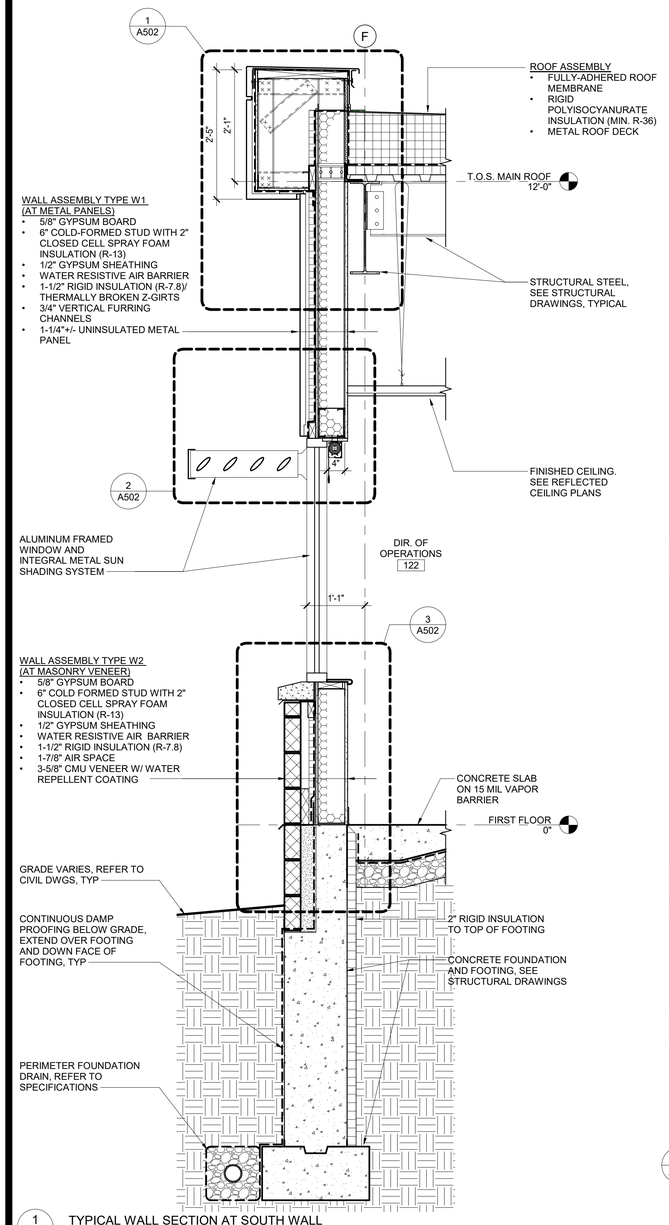
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

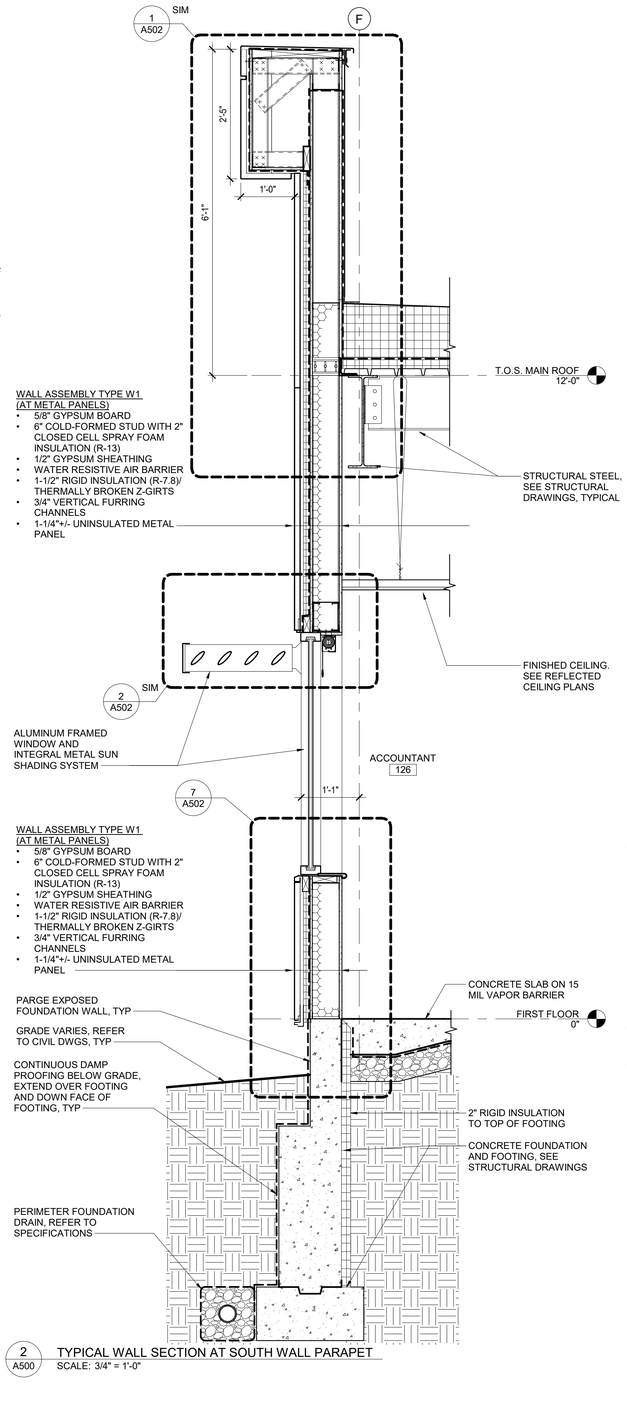
SHEET TITLE
CEILING DETAILS

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

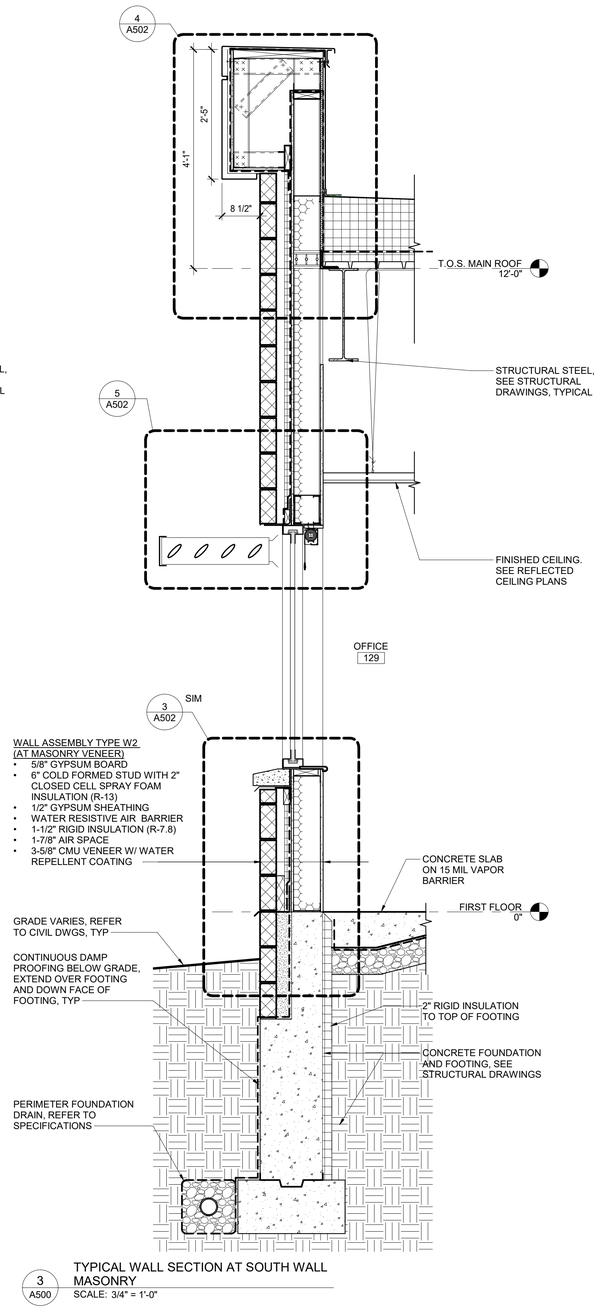
SHEET NUMBER
A401



1 A500 TYPICAL WALL SECTION AT SOUTH WALL
SCALE: 3/4" = 1'-0"



2 A500 TYPICAL WALL SECTION AT SOUTH WALL PARAPET
SCALE: 3/4" = 1'-0"



3 A500 TYPICAL WALL SECTION AT SOUTH WALL MASONRY
SCALE: 3/4" = 1'-0"

NOTE:

FINISHED FLOOR ELEVATION 0'-0" = ELEVATION 509.5' AS INDICATED ON CIVIL DRAWINGS. TYP THROUGHOUT

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FORENSIC CONSULTANT	M/EP CONSULTANT	CIVIL CONSULTANT	LT. SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
crime lab design	FELLENZER ENGINEERING	Fuss Engineering & Land Surveying P.C.	Convergent TECHNOLOGIES CONSULTING	CLOSED CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

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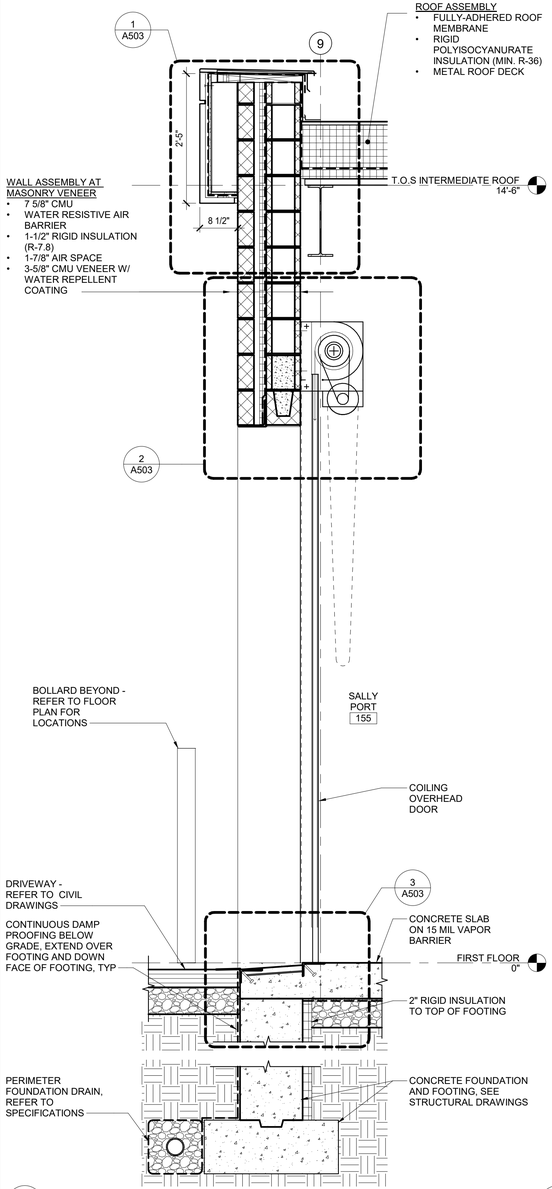
ORANGE COUNTY, NEW YORK

SHEET TITLE:
WALL SECTIONS

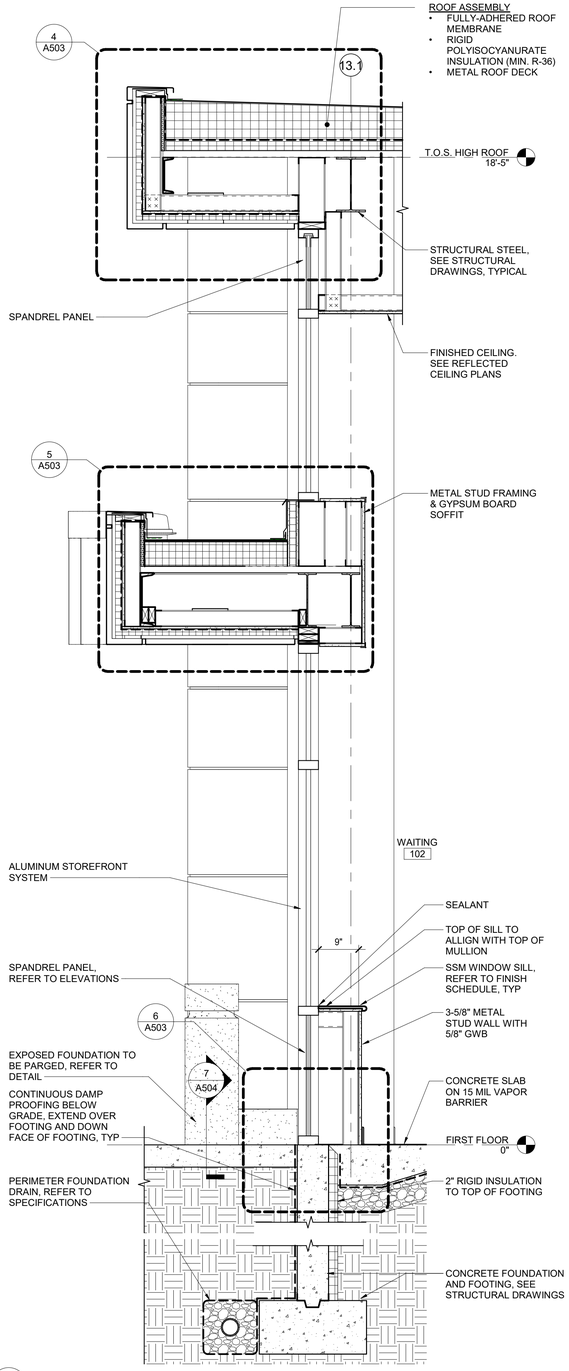
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
20 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
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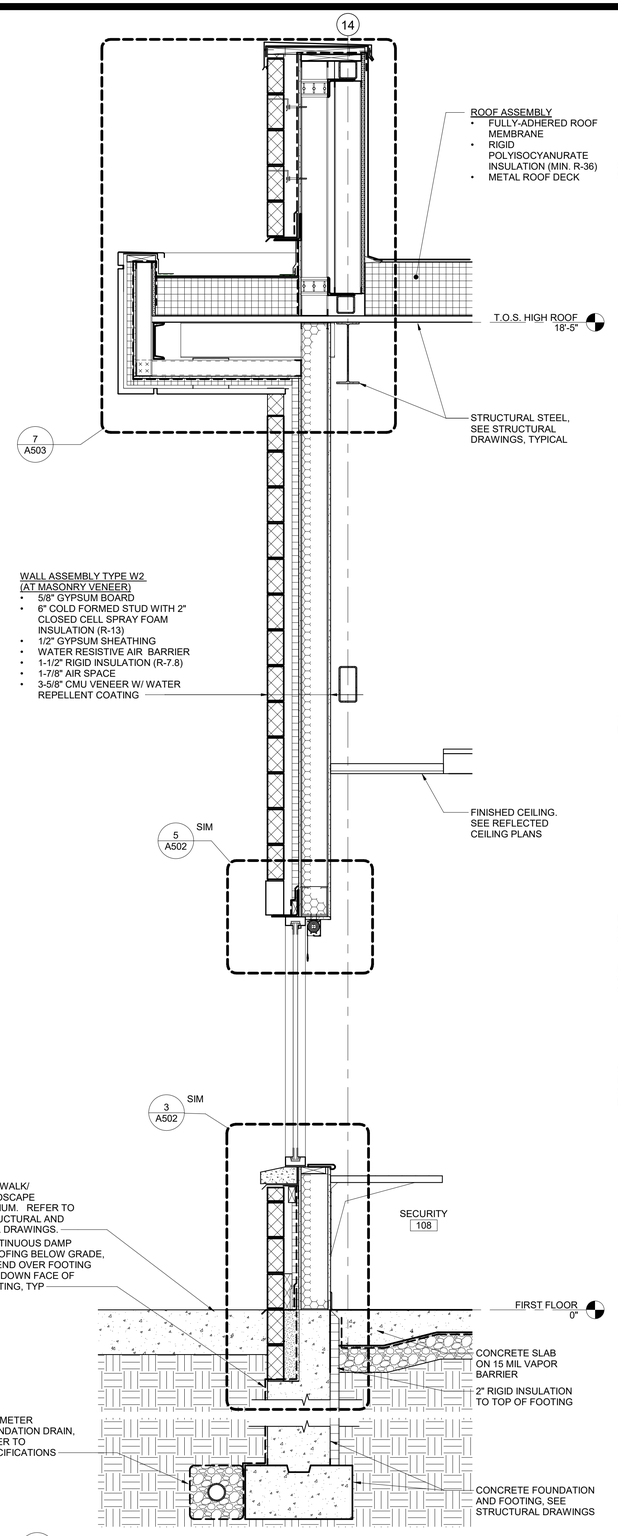
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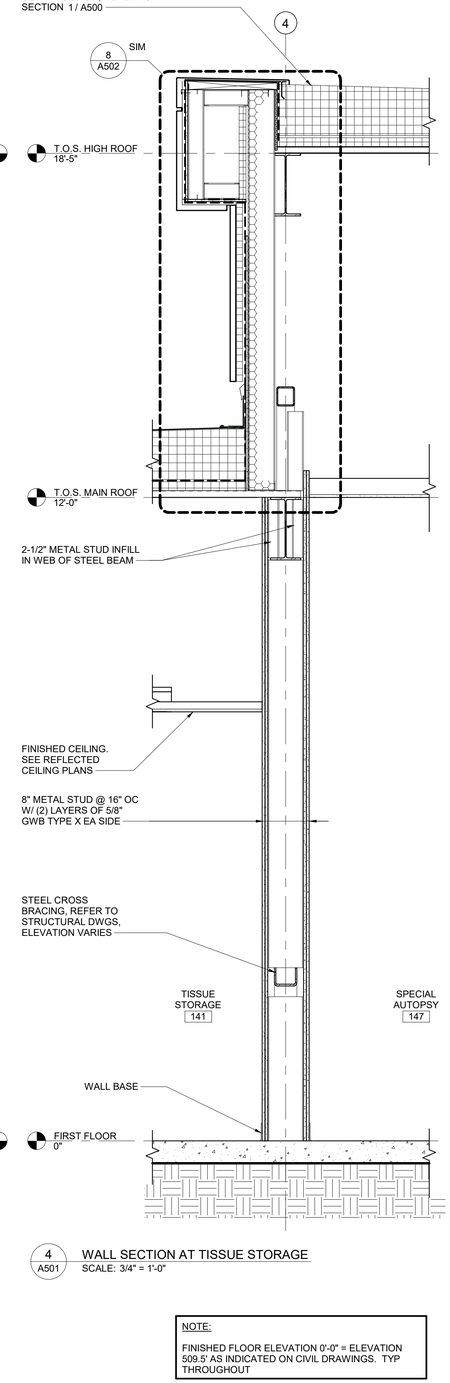
1 A501 WALL SECTION AT OH DOORS
SCALE: 3/4" = 1'-0"



2 A501 WALL SECTION AT WAITING
SCALE: 3/4" = 1'-0"



3 A501 WALL SECTION AT MASONRY TOWER
SCALE: 3/4" = 1'-0"



4 A501 WALL SECTION AT TISSUE STORAGE
SCALE: 3/4" = 1'-0"

NOTE:

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COST CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: Convergent Technologies
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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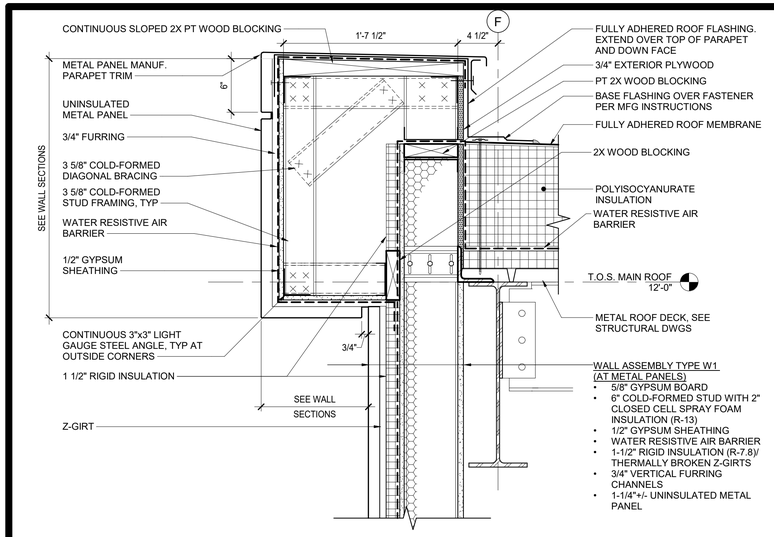
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

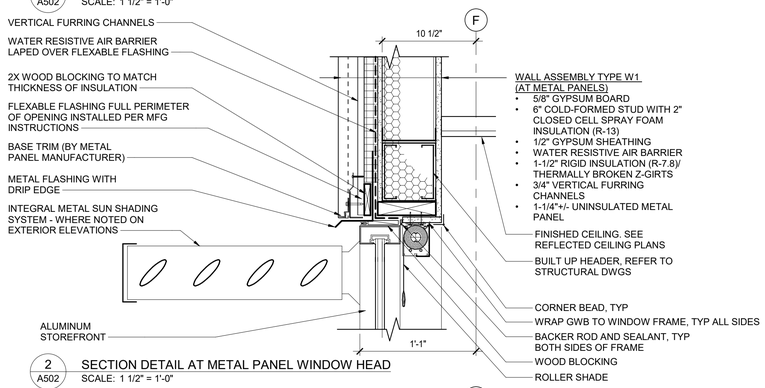
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SCALE:	As indicated
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

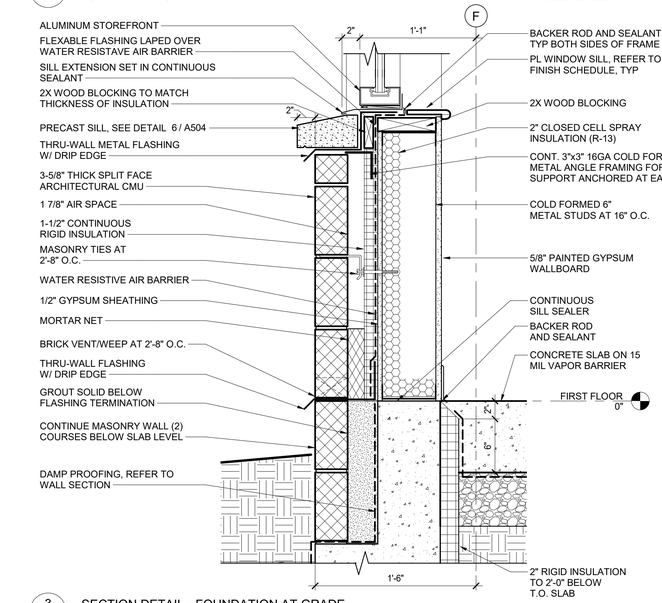
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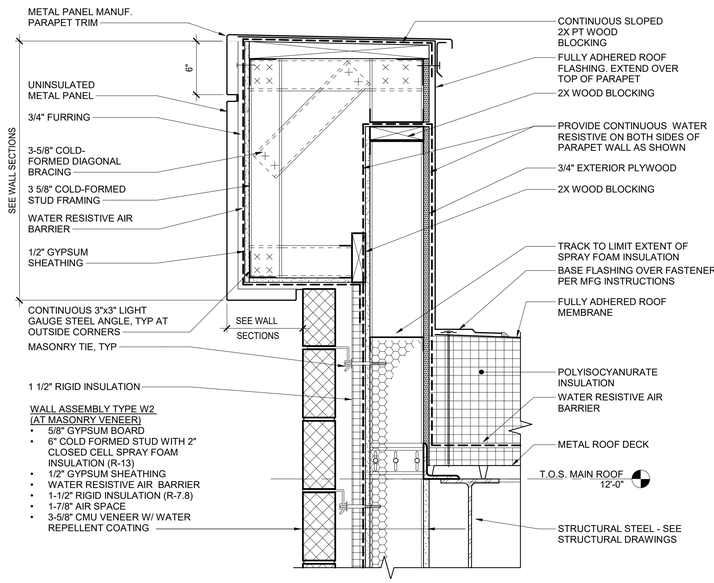
1 A502 SECTION DETAIL - TYPICAL ROOF EDGE OVERHANG
SCALE: 1 1/2" = 1'-0"



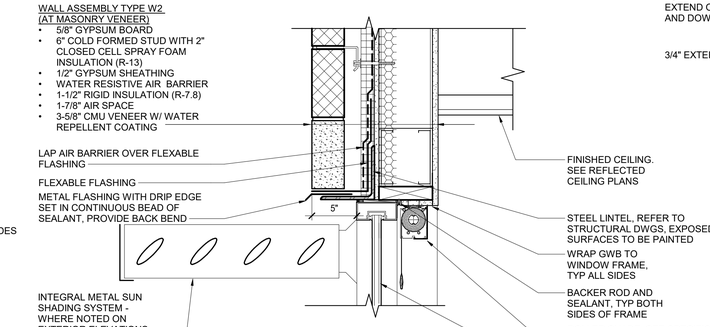
2 A502 SECTION DETAIL AT METAL PANEL WINDOW HEAD
SCALE: 1 1/2" = 1'-0"



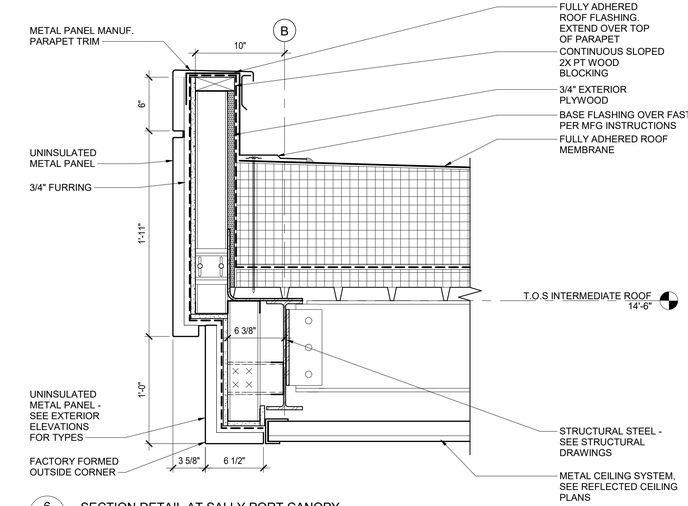
3 A502 SECTION DETAIL - FOUNDATION AT GRADE
SCALE: 1 1/2" = 1'-0"



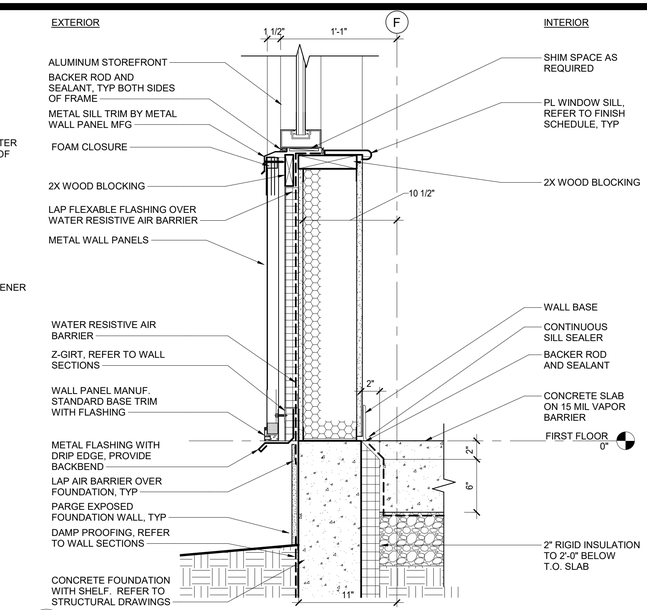
4 A502 SECTION DETAIL - ROOF EDGE OVERHEAD AT MASONRY WALL
SCALE: 1 1/2" = 1'-0"



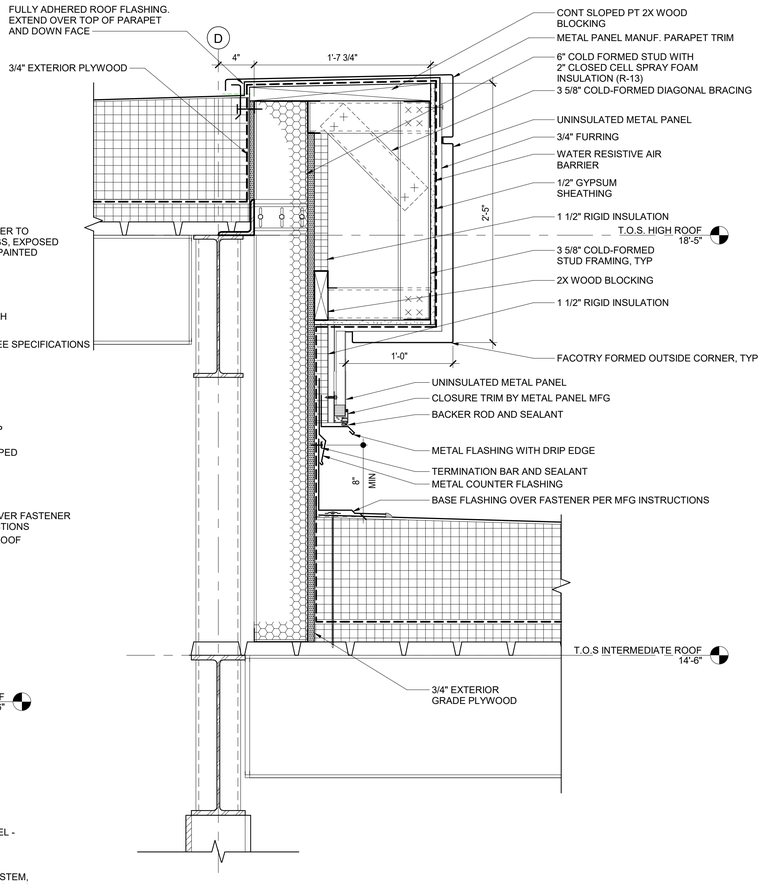
5 A502 SECTION DETAIL - WINDOW HEAD AT MASONRY WALL
SCALE: 1 1/2" = 1'-0"



6 A502 SECTION DETAIL AT SALLY PORT CANOPY
SCALE: 1 1/2" = 1'-0"



7 A502 SECTION DETAIL AT SOUTH WALL METAL PANEL BASE
SCALE: 1 1/2" = 1'-0"



8 A502 SECTION DETAIL AT HIGH ROOF
SCALE: 1 1/2" = 1'-0"

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M/E/P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

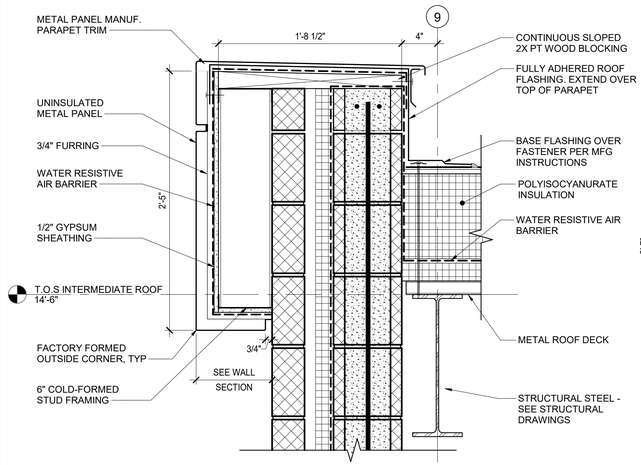
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

SHEET TITLE
EXTERIOR DETAILS

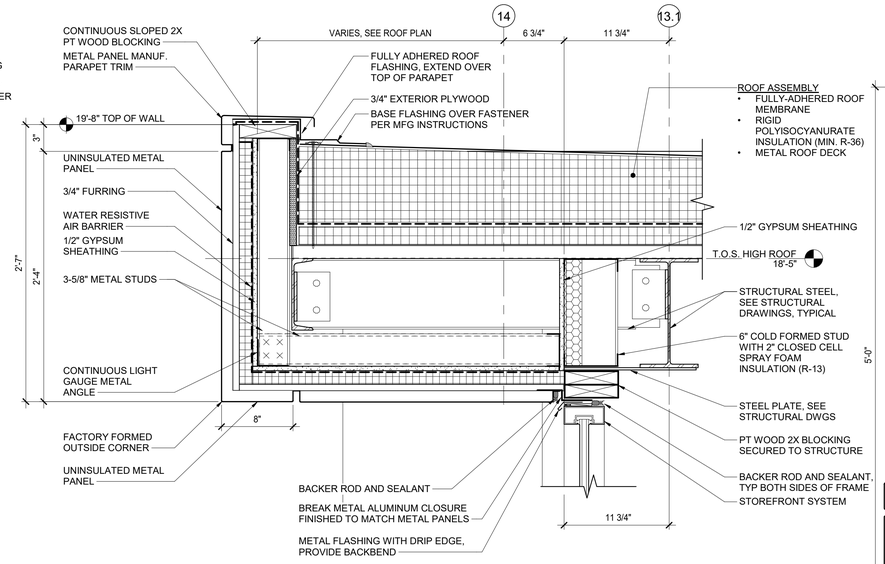
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

22 WELLS FARM RD.
GOSHEN, NY 10924

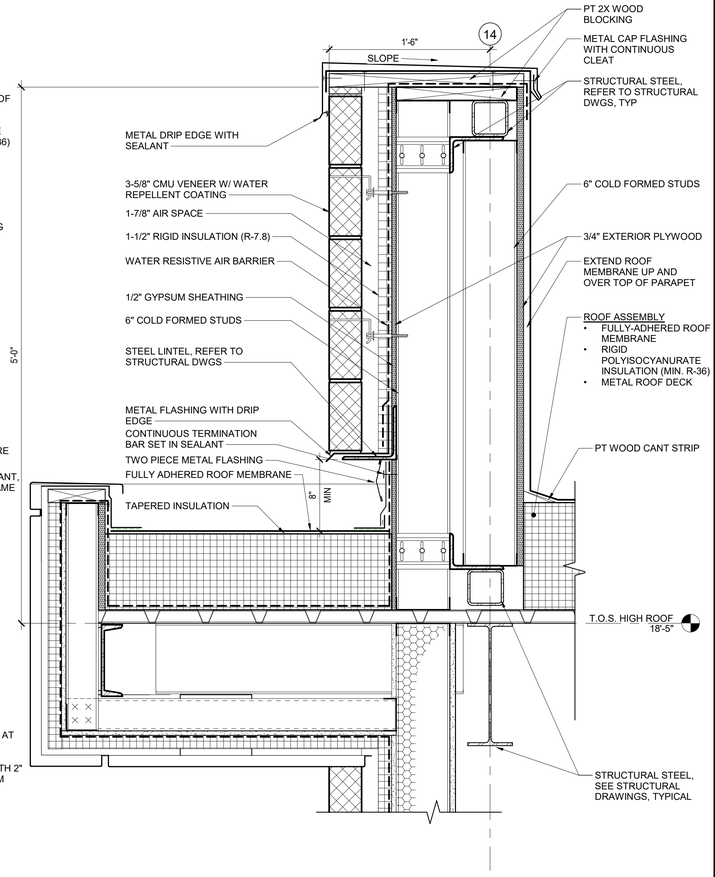
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A502



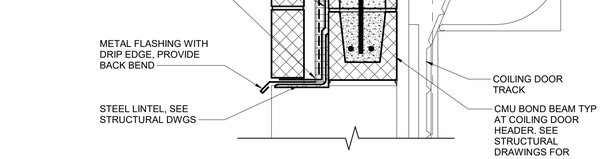
1 A503 SECTION DETAIL AT OH DOORS - PARAPET
SCALE: 1 1/2" = 1'-0"



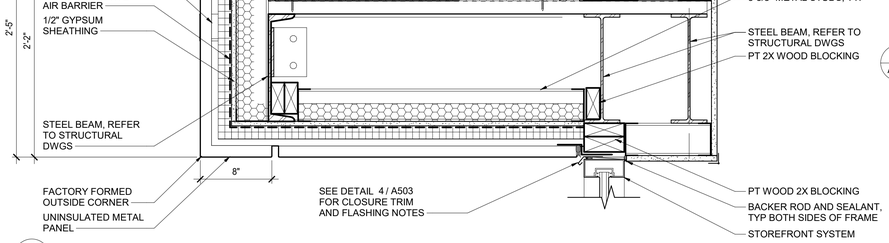
4 A503 SECTION DETAIL AT WAITING - TOP OF WALL
SCALE: 1 1/2" = 1'-0"



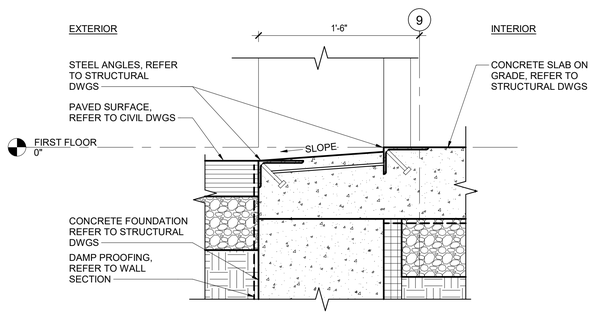
7 A503 SECTION DETAIL AT MASONRY TOWER - TOP OF WALL
SCALE: 1 1/2" = 1'-0"



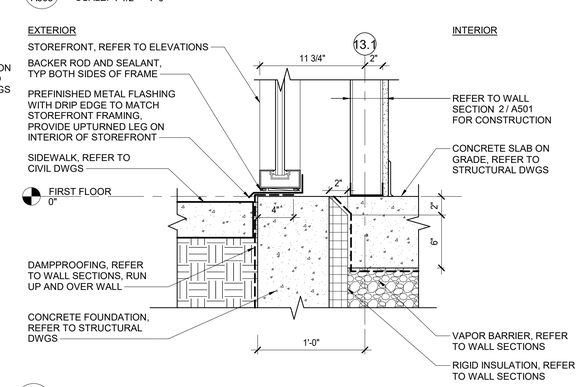
2 A503 SECTION DETAIL AT OH DOORS - DOOR HEAD
SCALE: 1 1/2" = 1'-0"



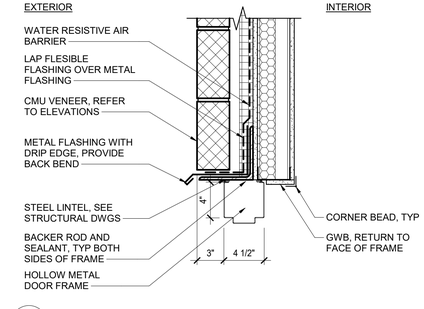
5 A503 SECTION DETAIL AT WAITING - INTERMEDIATE CANOPY
SCALE: 1 1/2" = 1'-0"



3 A503 SECTION DETAIL AT OH DOORS - FOUNDATION
SCALE: 1 1/2" = 1'-0"



6 A503 SECTION DETAIL AT WAITING - BASE OF WALL
SCALE: 1 1/2" = 1'-0"



8 A503 HEAD DETAIL - METAL STUD DOOR FRAME
SCALE: 1 1/2" = 1'-0"

REVISION SCHEDULE

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SEAL

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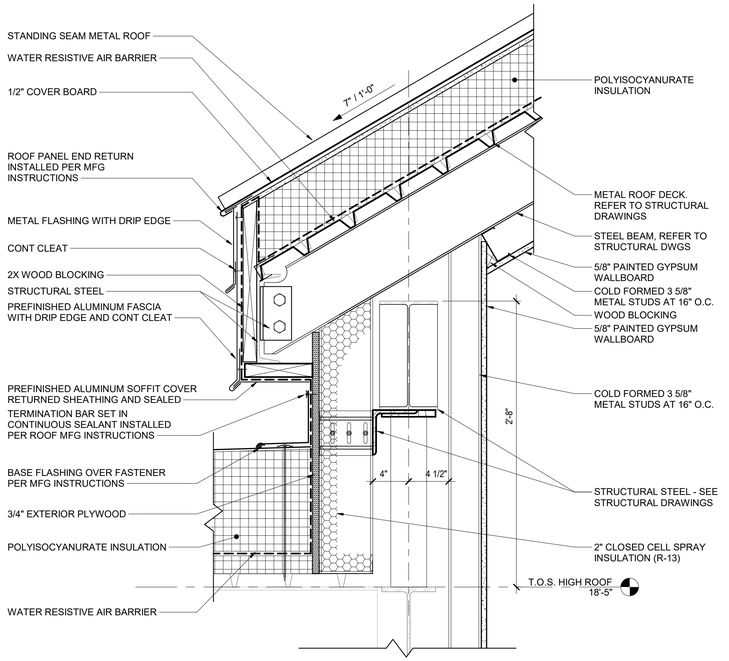
ORANGE COUNTY, NEW YORK

SHEET TITLE
EXTERIOR DETAILS

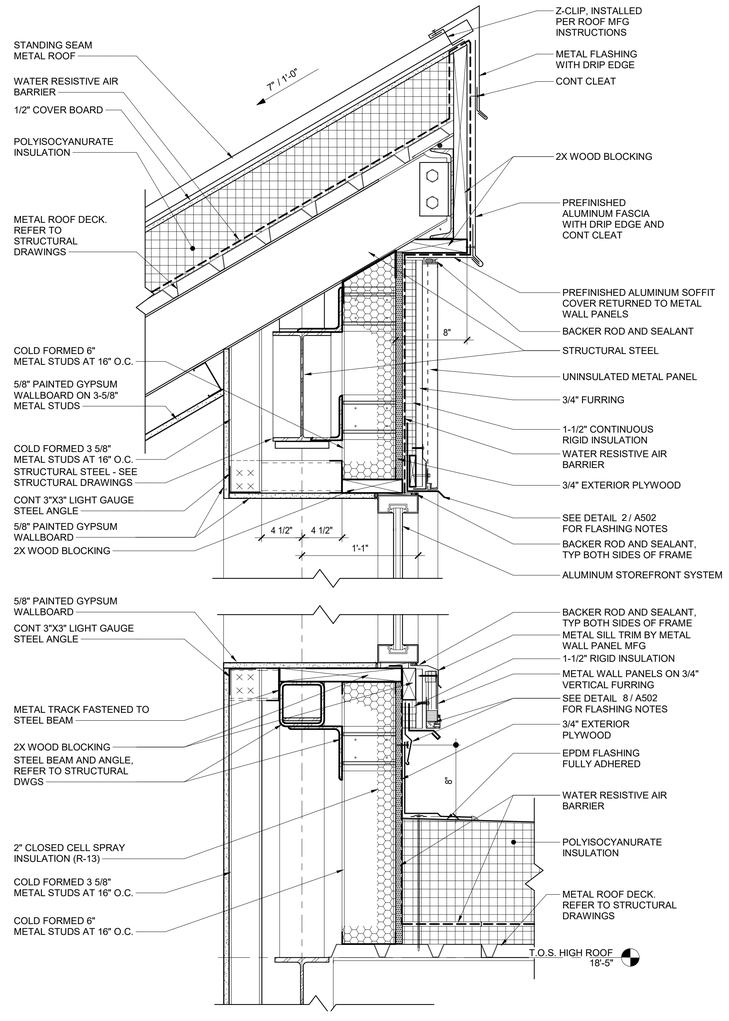
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1 1/2" = 1'-0"
DRAWN BY:	RWA
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
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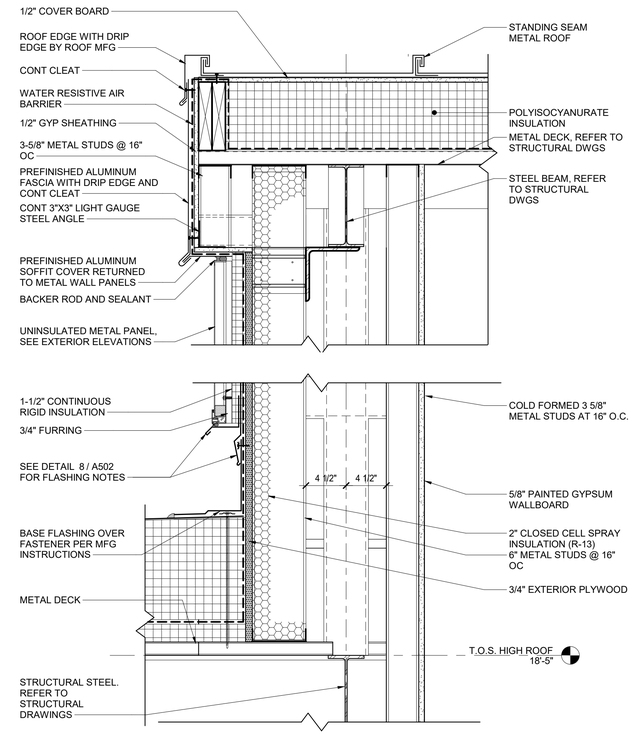
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A503



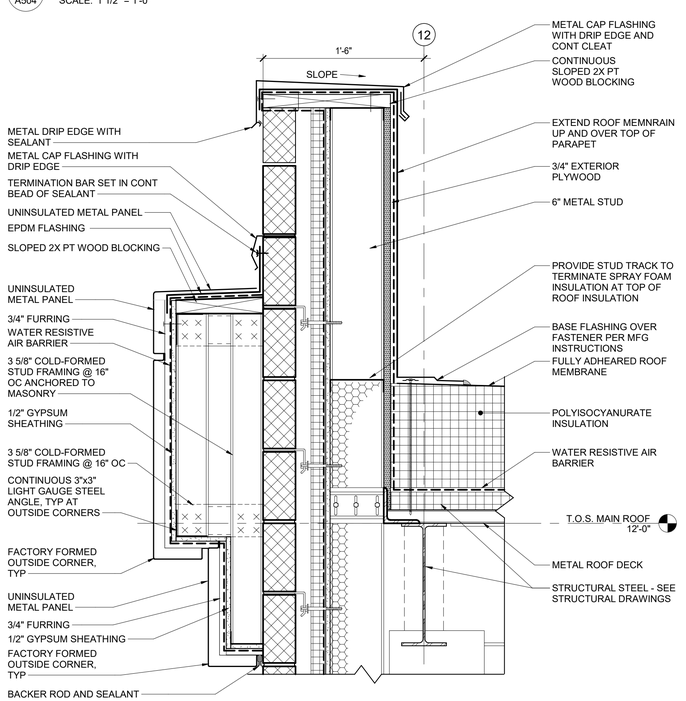
1 A504 SECTION DETAIL AT ROOF MONITOR - REAR WALL
SCALE: 1 1/2" = 1'-0"



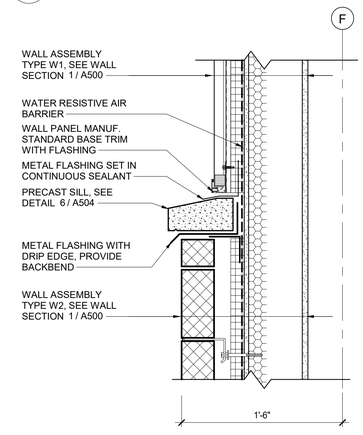
2 A504 SECTION DETAIL AT ROOF MONITOR - CLERESTORY WALL
SCALE: 1 1/2" = 1'-0"



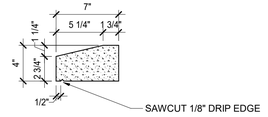
3 A504 SECTION DETAIL AT ROOF MONITOR - SIDE WALL
SCALE: 1 1/2" = 1'-0"



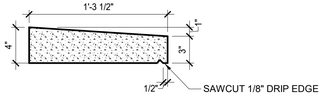
4 A504 SECTION DETAIL AT EAST WALL
SCALE: 1 1/2" = 1'-0"



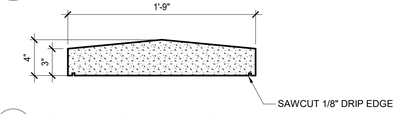
5 A504 SECTION DETAIL AT METAL PANEL/ MASONRY TRANSITION
SCALE: 1 1/2" = 1'-0"



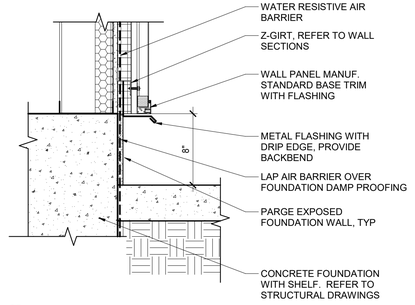
6 A504 TYPICAL DETAIL - PRECAST SILL
SCALE: 1 1/2" = 1'-0"



8 A504 TYPICAL DETAIL - PRECAST SILL AT ENTRY
SCALE: 1 1/2" = 1'-0"



9 A504 TYPICAL DETAIL - PRECAST CAP
SCALE: 1 1/2" = 1'-0"



7 A504 DETAIL - METAL PANEL BASE AT SIDEWALK
SCALE: 1 1/2" = 1'-0"

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M/E/P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

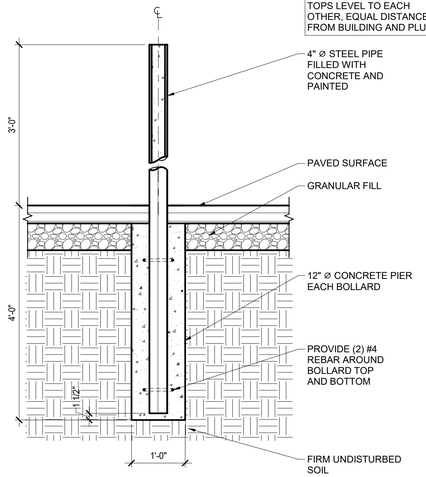
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
EXTERIOR DETAILS

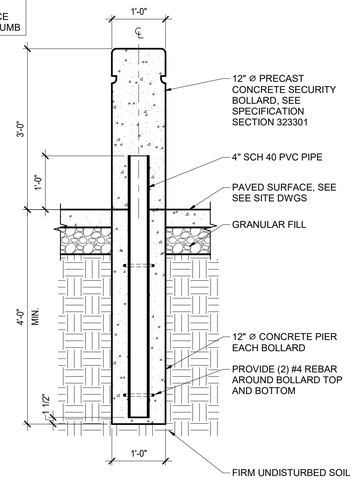
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SHEET NUMBER
A504

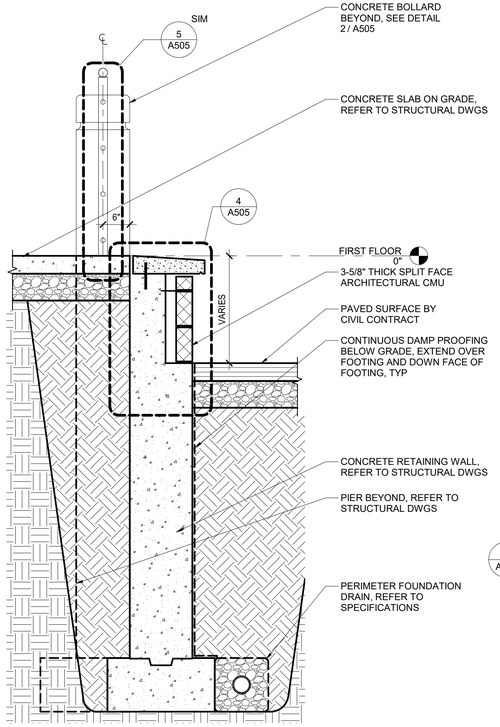
NOTE:
INSTALL BOLLARD WITH ALL TOPS LEVEL TO EACH OTHER, EQUAL DISTANCE FROM BUILDING AND PLUMB



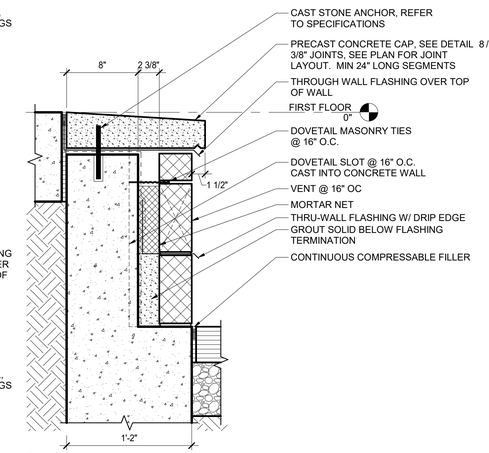
1 A505 DETAIL - TYPICAL STEEL BOLLARD
SCALE: 3/4" = 1'-0"



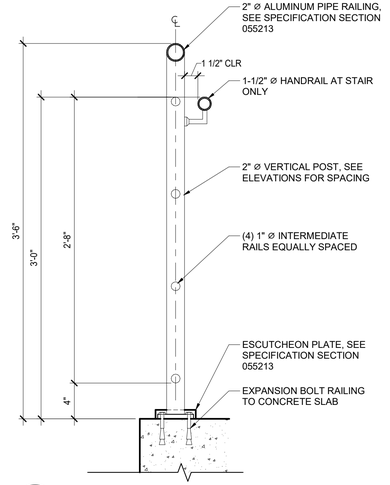
2 A505 DETAIL - CONCRETE BOLLARD SECTION
SCALE: 3/4" = 1'-0"



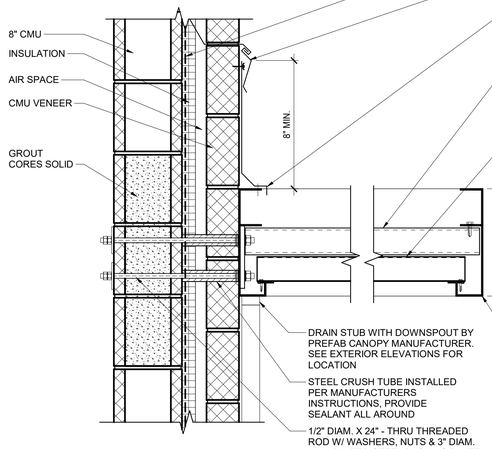
3 A505 WALL SECTION - RETAINING WALL AT ENTRY
SCALE: 3/4" = 1'-0"



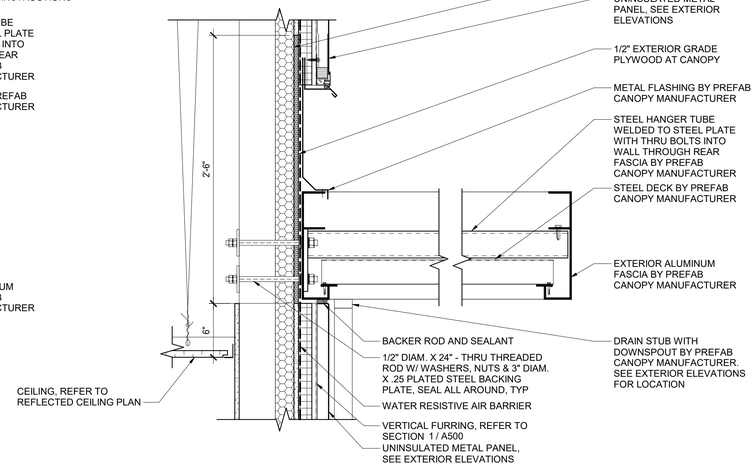
4 A505 PARTIAL SECTION - RETAINING WALL AT ENTRY
SCALE: 1 1/2" = 1'-0"



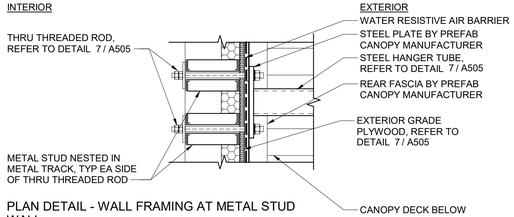
5 A505 TYPICAL DETAIL - GUARDRAIL
SCALE: 1 1/2" = 1'-0"



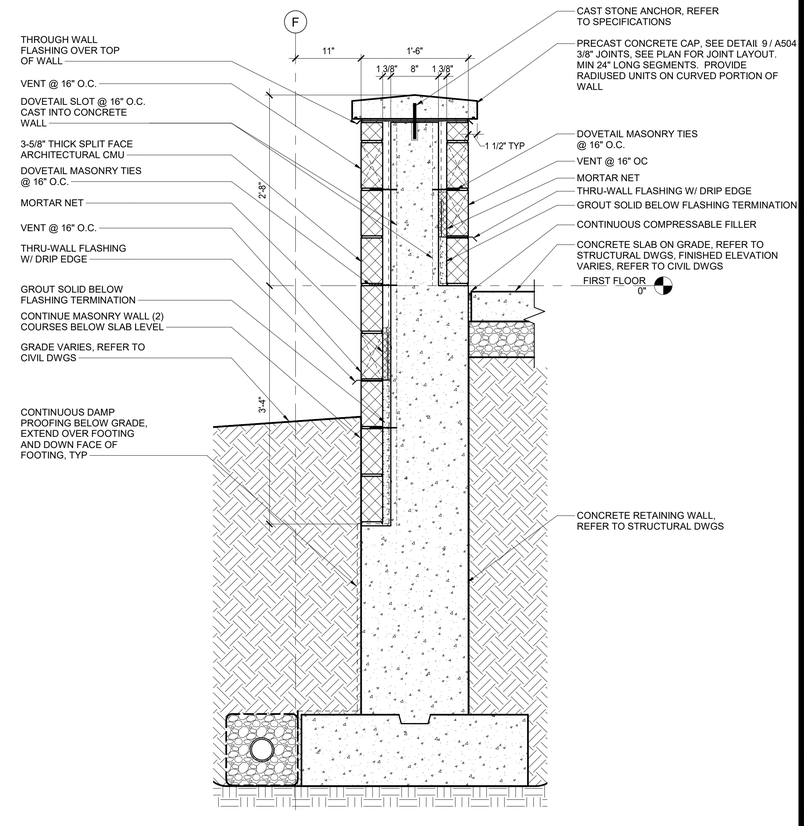
6 A505 DETAIL - PRE-FABRICATED CANOPY CONNECTION AT CMU
SCALE: 1 1/2" = 1'-0"



7 A505 DETAIL - PRE-FABRICATED CANOPY CONNECTION AT METAL PANEL
SCALE: 1 1/2" = 1'-0"



9 A505 PLAN DETAIL - WALL FRAMING AT METAL STUD WALL
SCALE: 1 1/2" = 1'-0"



8 A505 WALL SECTION - RETAINING WALL
SCALE: 1" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

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ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
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M/E/P CONSULTANT	FELLENZER
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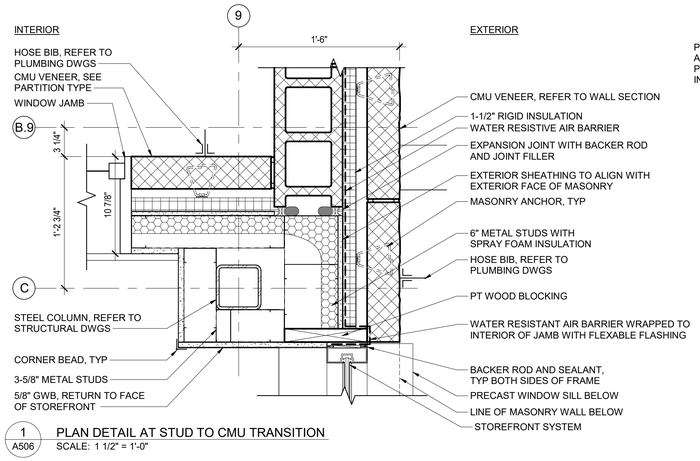
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

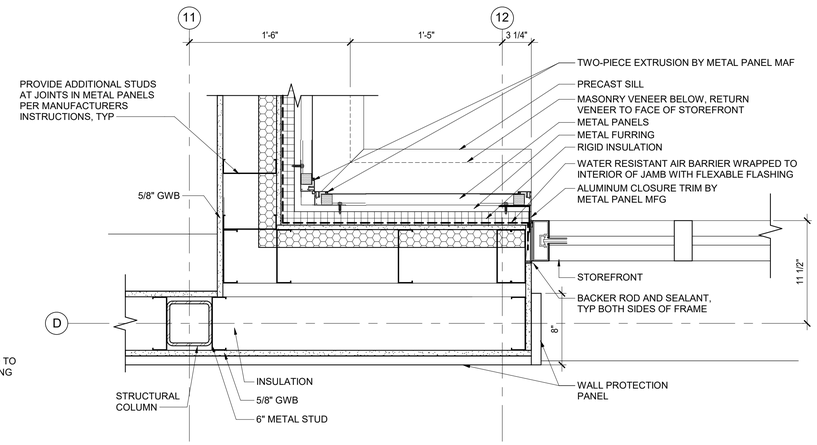
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EXTERIOR DETAILS

DATE:	11/18/2022
SCALE:	As indicated
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
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CLIENT PROJ. NO.:	

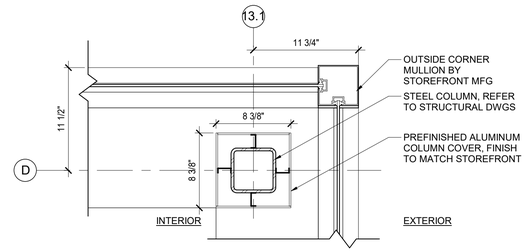
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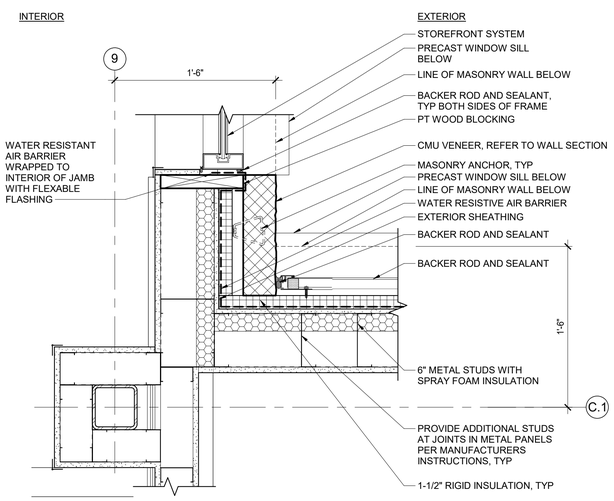
1 A506 PLAN DETAIL AT STUD TO CMU TRANSITION
SCALE: 1 1/2" = 1'-0"



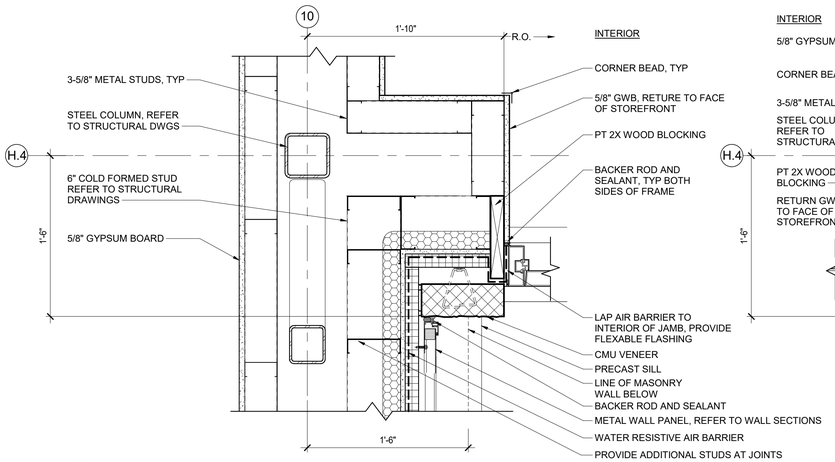
2 A506 DETAIL - PARTITION AT WAITING
SCALE: 1 1/2" = 1'-0"



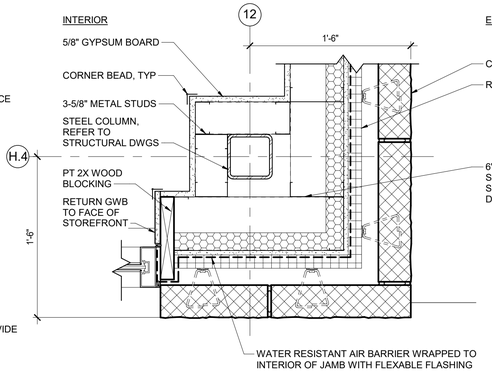
3 A506 PLAN DETAIL AT STOREFRONT CORNER
SCALE: 1 1/2" = 1'-0"



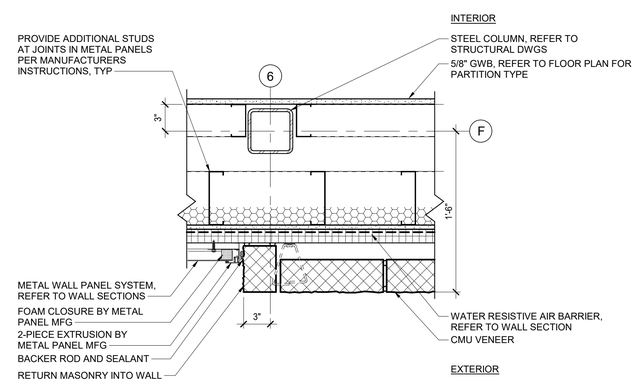
4 A506 PLAN DETAIL AT AUTOPSY ASSIST CORNER
SCALE: 1 1/2" = 1'-0"



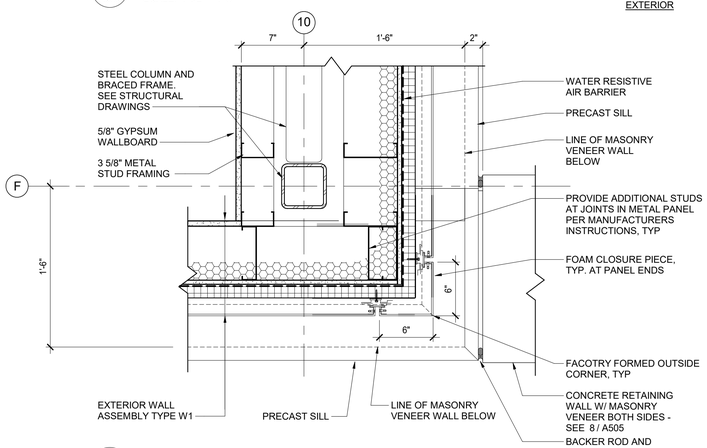
5 A506 PLAN DETAIL - STAFF VEST DOOR JAMB
SCALE: 1 1/2" = 1'-0"



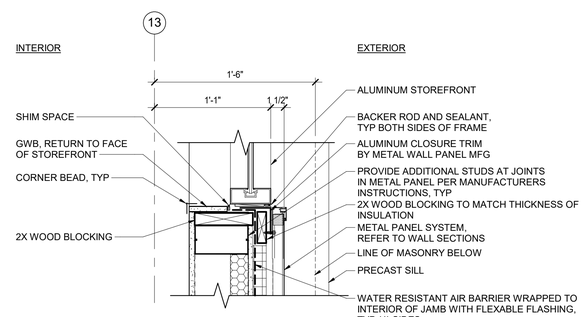
6 A506 PLAN DETAIL - STAFF VEST OUTSIDE CORNER
SCALE: 1 1/2" = 1'-0"



7 A506 PLAN DETAIL - METAL PANEL TO MASONRY TRANSITION
SCALE: 1 1/2" = 1'-0"



8 A506 PLAN DETAIL AT METAL PANEL CORNER
SCALE: 1 1/2" = 1'-0"



9 A506 PLAN DETAIL - TYPICAL STOREFRONT JAMB AT METAL PANELS
SCALE: 1 1/2" = 1'-0"

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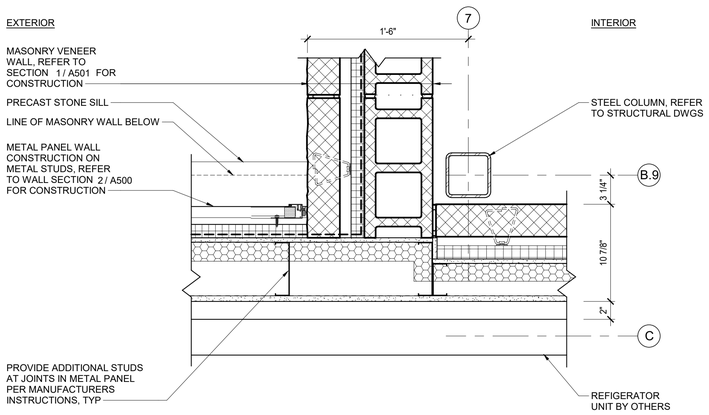
ORANGE COUNTY, NEW YORK

SHEET TITLE
EXTERIOR PLAN DETAILS

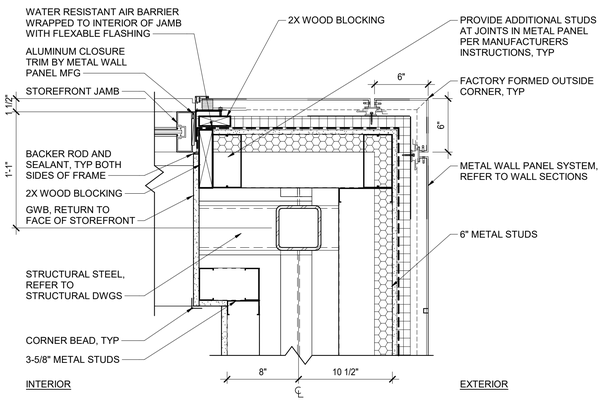
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

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SCALE:	1 1/2" = 1'-0"
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HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

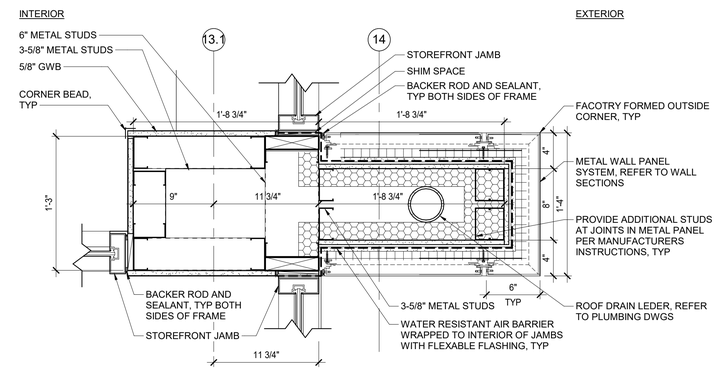
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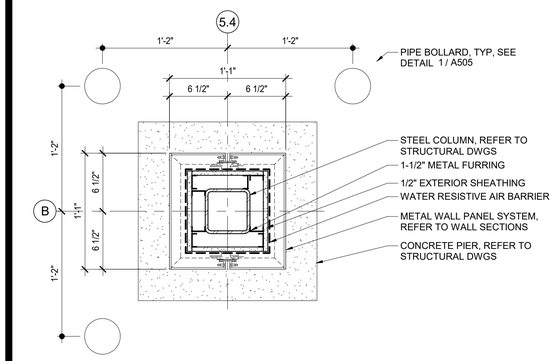
1 A507 PLAN DETAIL - METAL PANEL TO MASONRY TRANSITION AT SALLY PORT
SCALE: 1 1/2" = 1'-0"



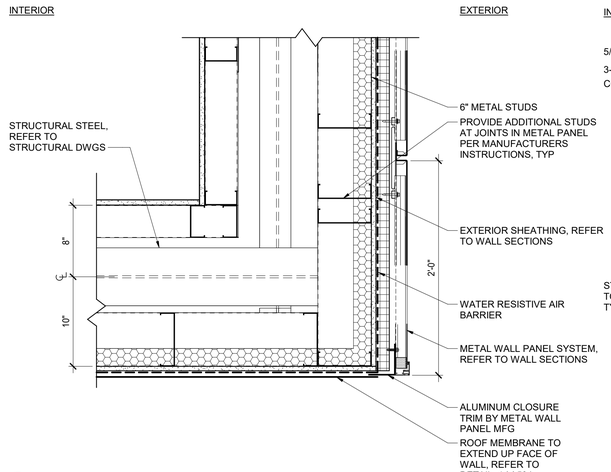
2 A507 PLAN DETAIL AT ROOF MONITOR FRONT CORNER
SCALE: 1 1/2" = 1'-0"



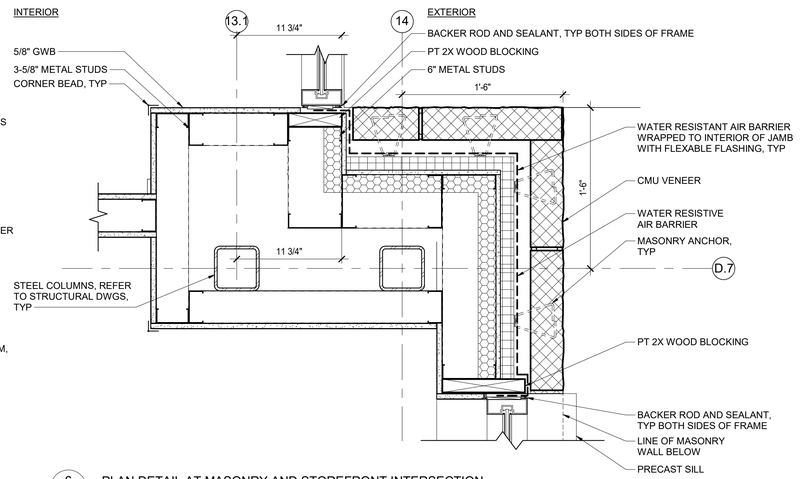
3 A507 PLAN DETAIL AT PUBLIC ENTRY
SCALE: 1 1/2" = 1'-0"



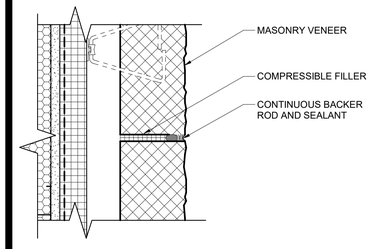
4 A507 PLAN DETAIL AT SALLY PORT COLUMN ENCLOSURE
SCALE: 1 1/2" = 1'-0"



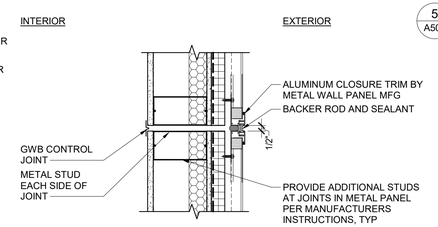
5 A507 PLAN DETAIL AT ROOF MONITOR REAR CORNER
SCALE: 1 1/2" = 1'-0"



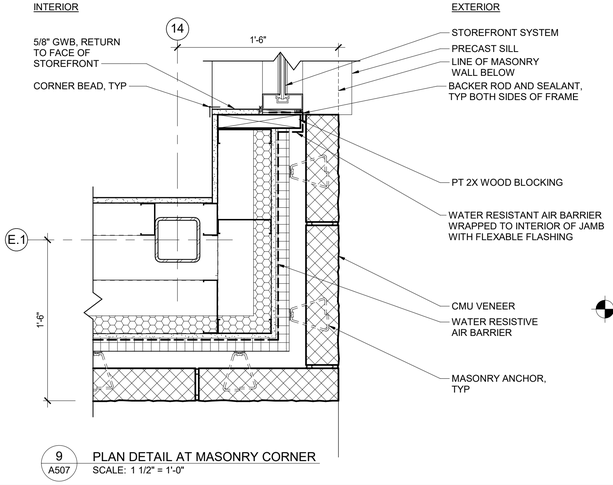
6 A507 PLAN DETAIL AT MASONRY AND STOREFRONT INTERSECTION
SCALE: 1 1/2" = 1'-0"



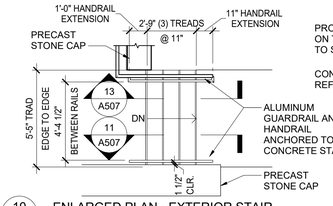
7 A507 TYPICAL MASONRY CONTROL JOINT
SCALE: 3" = 1'-0"



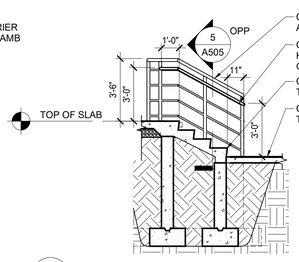
8 A507 TYPICAL EXPANSION JOINT AT METAL WALL PANELS
SCALE: 1 1/2" = 1'-0"



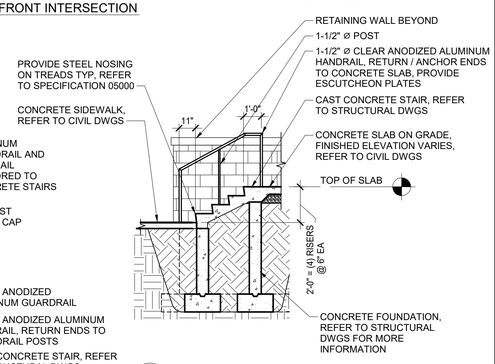
9 A507 PLAN DETAIL AT MASONRY CORNER
SCALE: 1 1/2" = 1'-0"



10 A507 ENLARGED PLAN - EXTERIOR STAIR
SCALE: 1/4" = 1'-0"



13 A507 SECTION - EXTERIOR STAIR - NORTH
SCALE: 1/4" = 1'-0"



11 A507 SECTION - EXTERIOR STAIR - SOUTH
SCALE: 1/4" = 1'-0"

REVISION SCHEDULE
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FORENSIC CONSULTANT: crime lab design
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CIVIL CONSULTANT: Focus Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT: Environments TECHNOLOGIES
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

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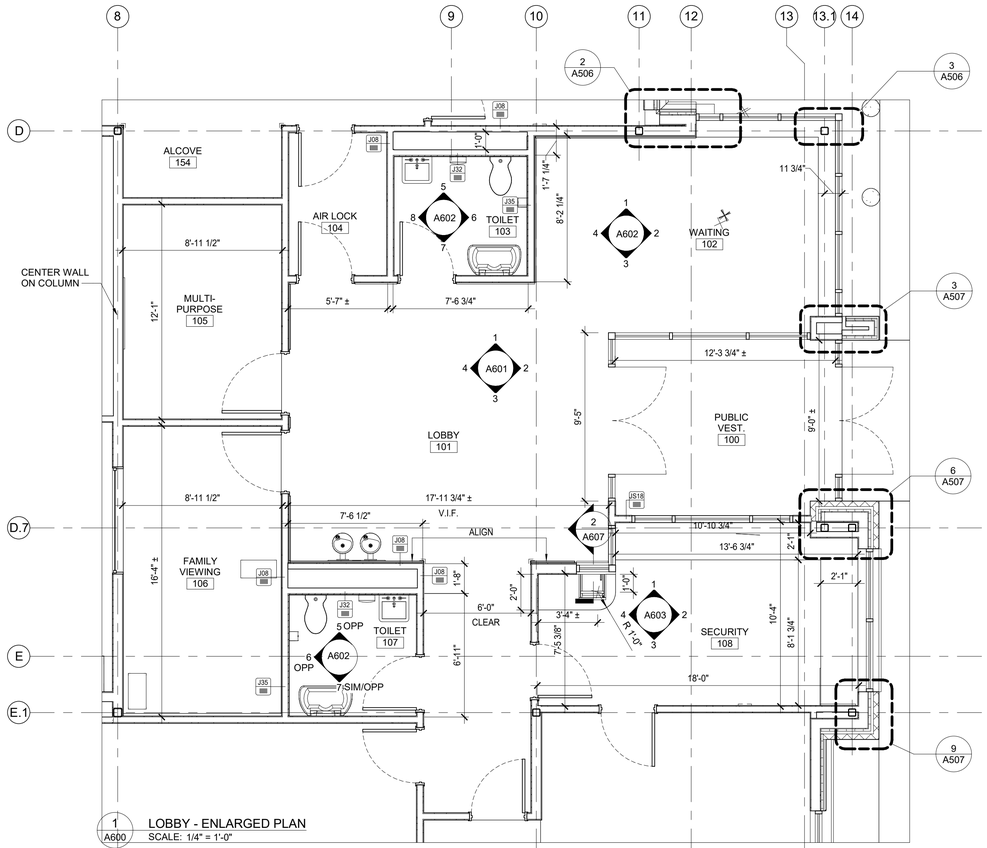
ORANGE COUNTY, NEW YORK

SHEET TITLE
EXTERIOR PLAN DETAILS

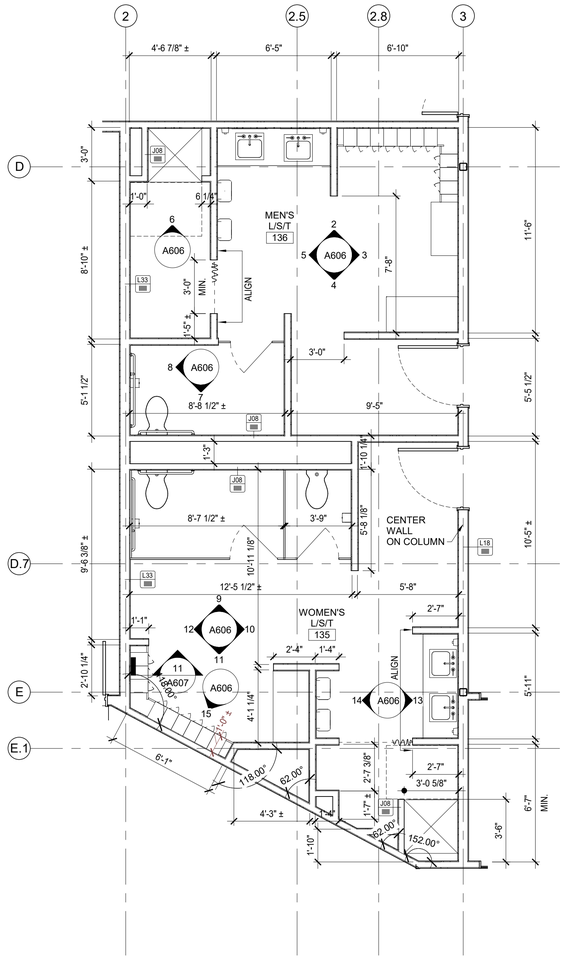
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22 WELLS FARM RD.
GOSHEN, NY 10924

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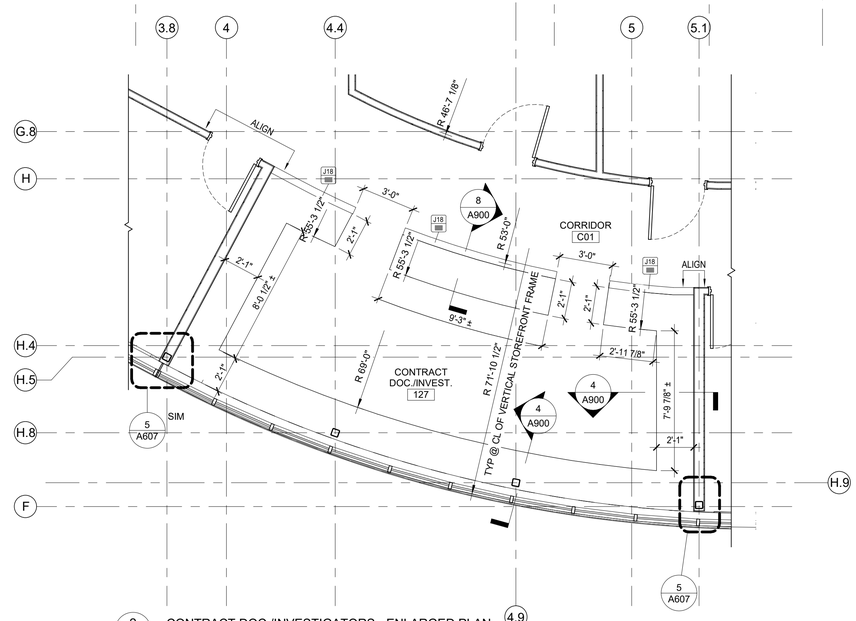
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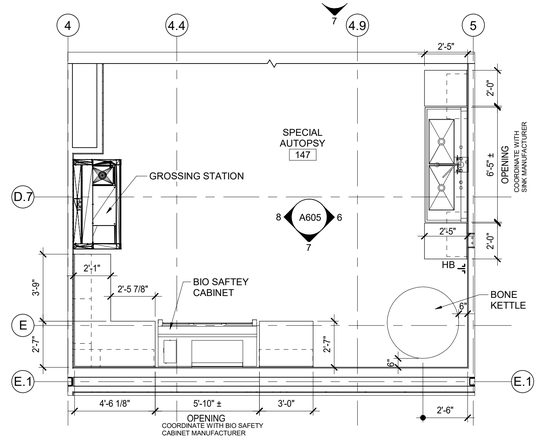
1 A600 LOBBY - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



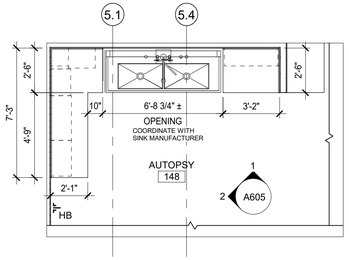
3 A600 WOMEN'S AND MEN'S LOCKER ROOMS - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



2 A600 CONTRACT DOC./INVESTIGATORS - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



4 A600 SPECIAL AUTOPSY - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



5 A600 AUTOPSY - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

FLOOR PLAN LEGEND:

- EXISTING WALL
- NEW PARTITION
- NEW DOOR AND FRAME
- EXISTING DOOR AND FRAME
- XXXX — RELOCATED DOOR
- XXXX — DOOR NUMBER
- FEC — FIRE EXTINGUISHER CABINET
- CG — CORNER GUARD
- DIMENSION TO CENTERLINE OF OBJECT
- ALIGN — ALIGN KEY
- X — WINDOW TAG/ DESIGNATION
- Room name XXXX — ROOM TAG
- X / AX.XX — SECTION KEY
- X / AX.XX — DETAIL/CALLOUT KEY
- X / AX.XX — AX.XX — ELEVATION KEY
- HB — HOSE BIB, COORDINATE WITH PLUMBING CONTRACT. SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS
- -- / - — WALL TYPE. SEE DRAWING A002.

REVISION SCHEDULE

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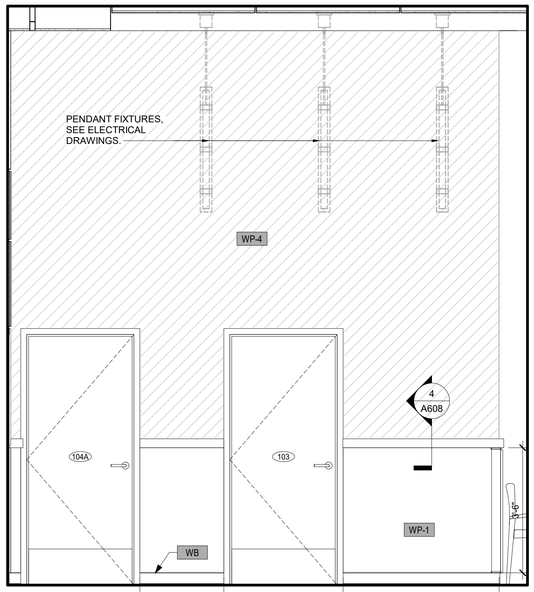
ORANGE COUNTY, NEW YORK

SHEET TITLE
ENLARGED FLOOR PLANS

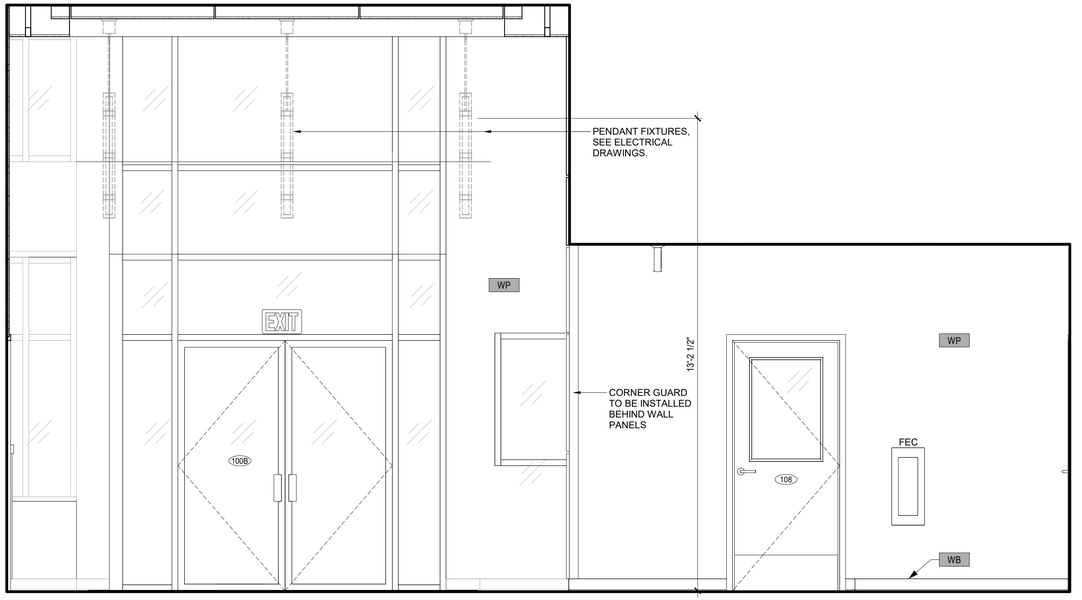
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DRAWN BY:	JMK
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CLIENT APPROVAL	
HHA PROJ. NO.:	20271
CLIENT PROJ. NO.:	

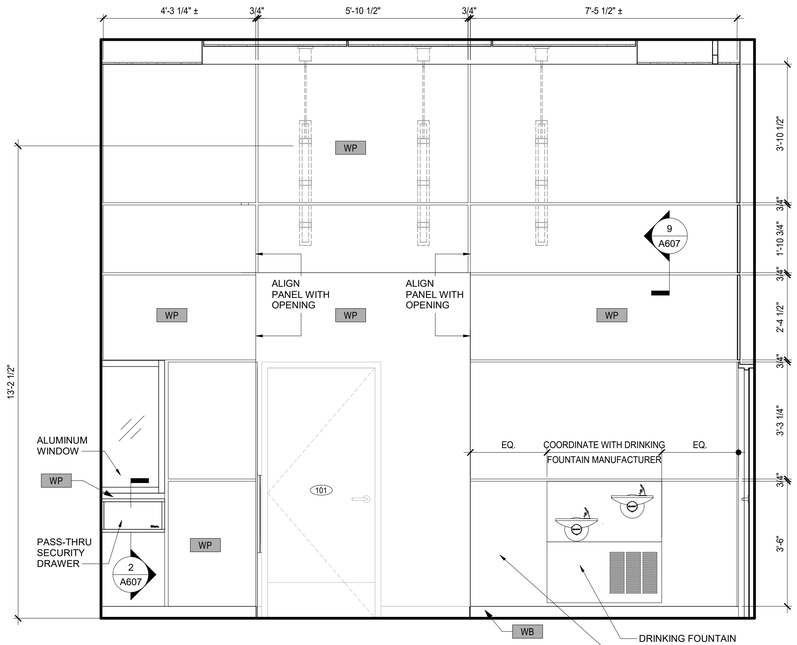
SHEET NUMBER
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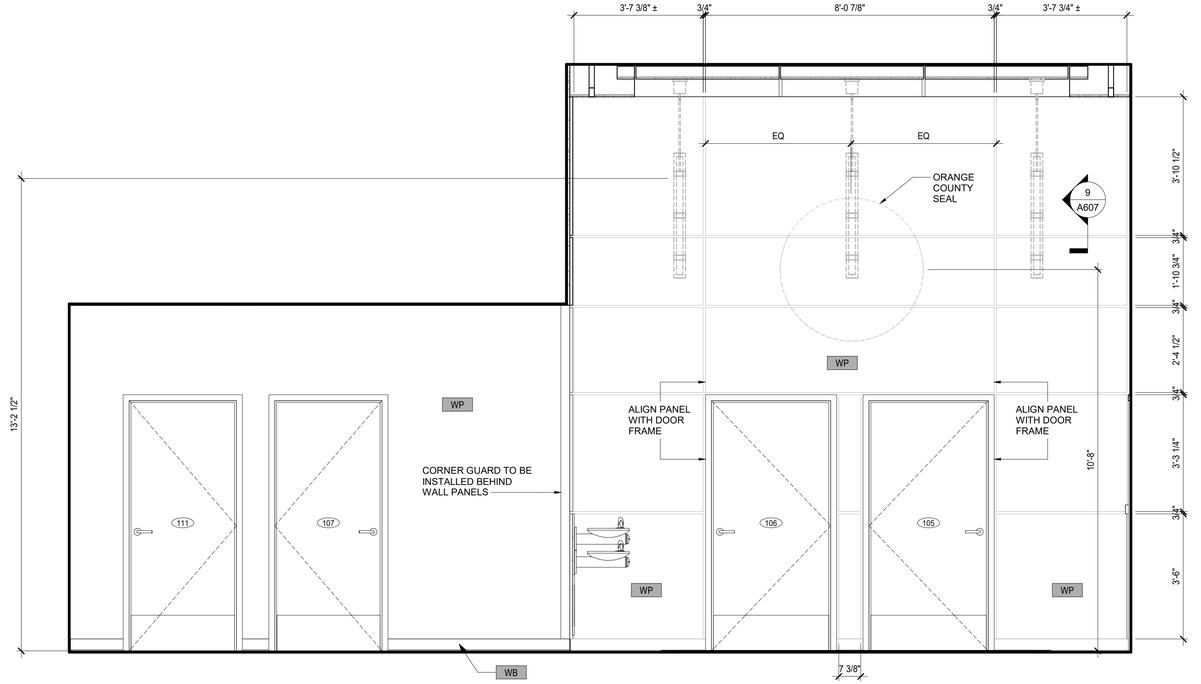
1 A601 NORTH ELEVATION - LOBBY
SCALE: 1/2" = 1'-0"



2 A601 EAST ELEVATION - LOBBY
SCALE: 1/2" = 1'-0"



3 A601 SOUTH ELEVATION - LOBBY
SCALE: 1/2" = 1'-0"



4 A601 WEST ELEVATION - LOBBY
SCALE: 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 482-3470
www.hymanhayes.com

M/EP CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT: Government Technologies
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

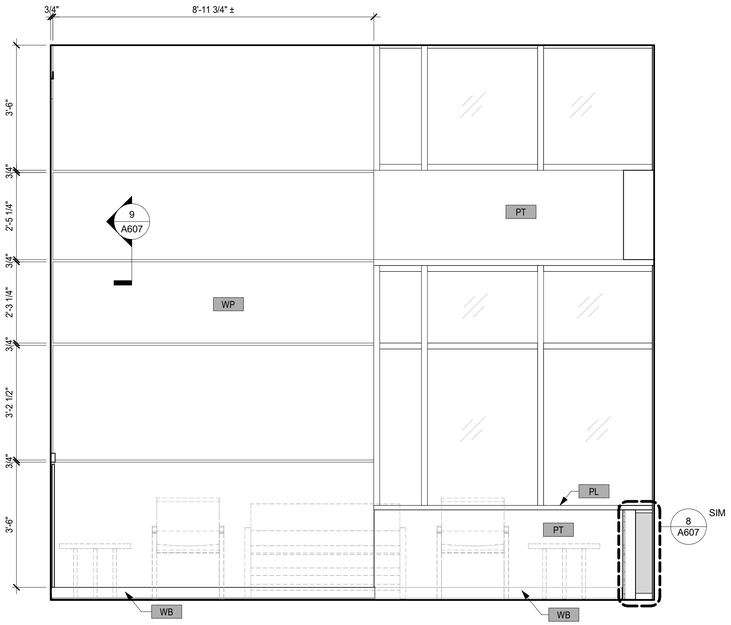
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
INTERIOR ELEVATIONS

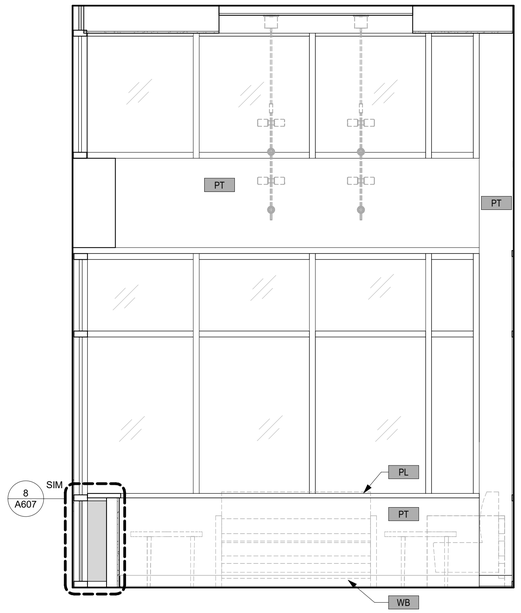
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A601

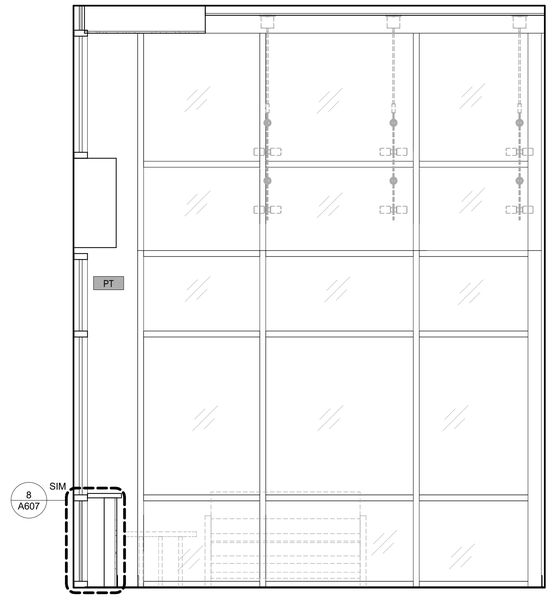
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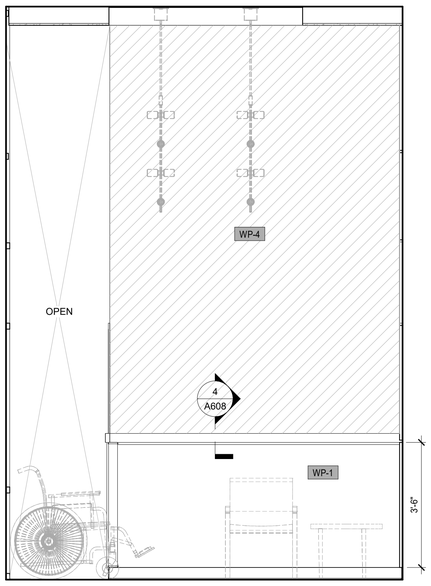
1 A602 NORTH ELEVATION - WAITING
SCALE: 1/2" = 1'-0"



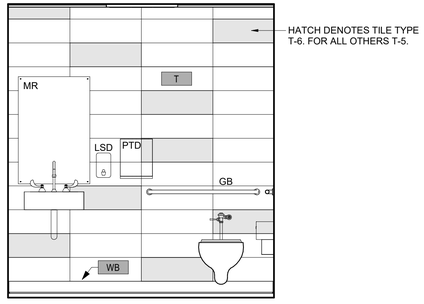
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SCALE: 1/2" = 1'-0"



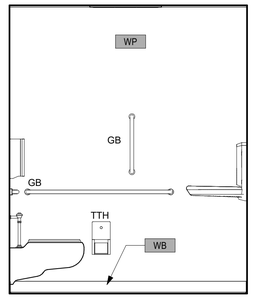
3 A602 SOUTH ELEVATION - WAITING
SCALE: 1/2" = 1'-0"



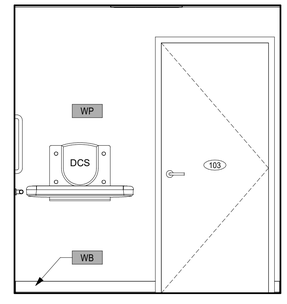
4 A602 WEST ELEVATION - WAITING
SCALE: 1/2" = 1'-0"



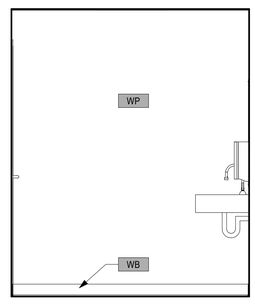
5 A602 NORTH ELEVATION - TOILET
SCALE: 1/2" = 1'-0"



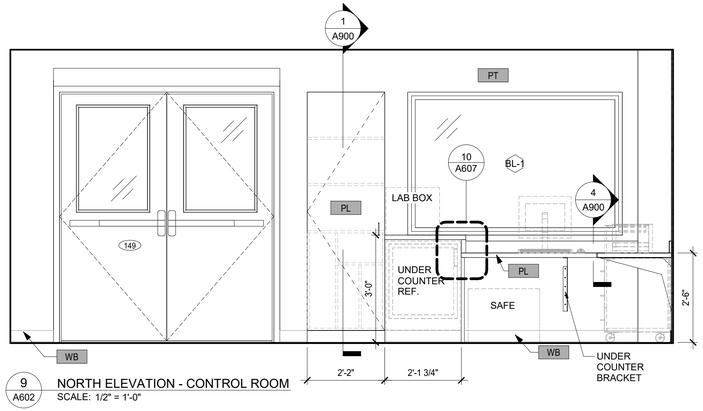
6 A602 EAST ELEVATION - TOILET
SCALE: 1/2" = 1'-0"



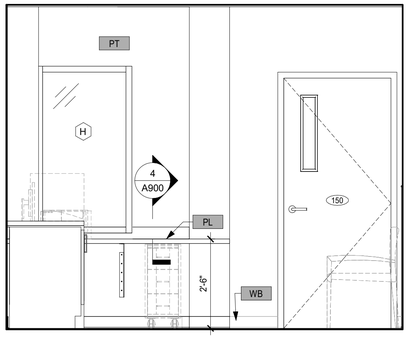
7 A602 SOUTH ELEVATION - TOILET
SCALE: 1/2" = 1'-0"



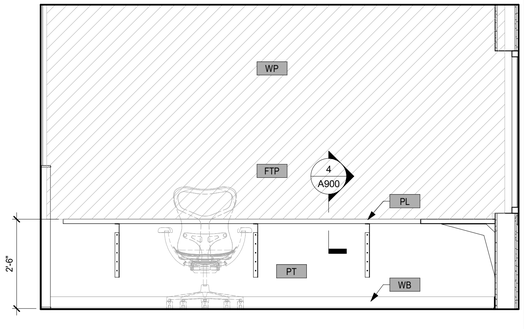
8 A602 WEST ELEVATION - TOILET
SCALE: 1/2" = 1'-0"



9 A602 NORTH ELEVATION - CONTROL ROOM
SCALE: 1/2" = 1'-0"



10 A602 EAST ELEVATION - LOAD/UNLOAD WORKSTATION
SCALE: 1/2" = 1'-0"



11 A602 EAST ELEVATION - REFERENCE
SCALE: 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 210
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

M/EP CONSULTANT	FELLENZER
CIVIL CONSULTANT	Fuss Engineering & Land Surveying P.C.
LT.SECURITY CONSULTANT	Governeo Technologies
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY
FORENSIC CONSULTANT	crime lab design

ORANGE COUNTY, NEW YORK

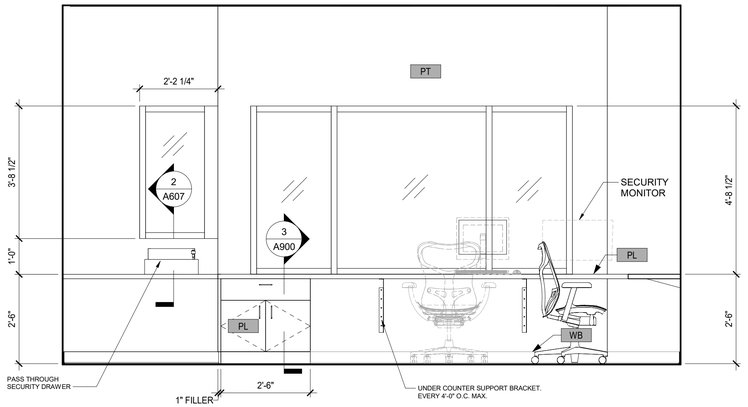
SHEET TITLE
INTERIOR ELEVATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

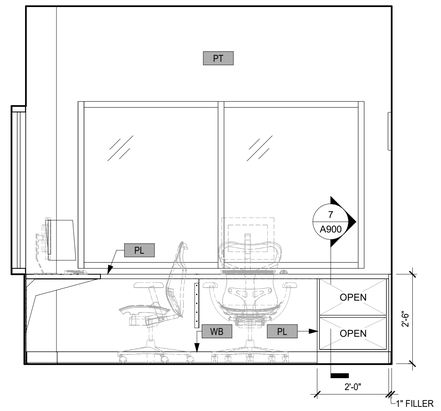
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A602

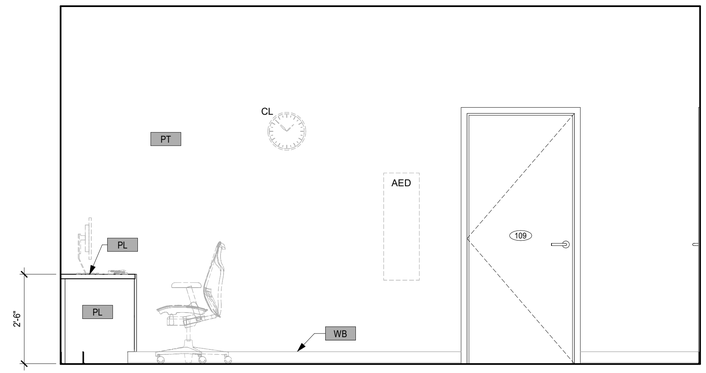
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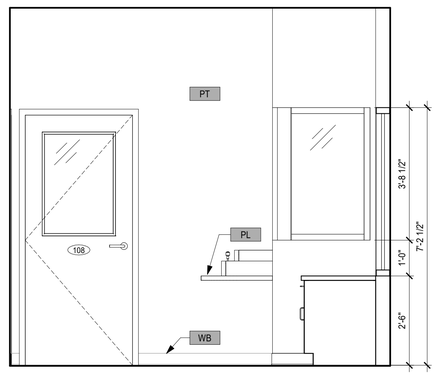
1 A603 NORTH ELEVATION - SECURITY
SCALE: 1/2" = 1'-0"



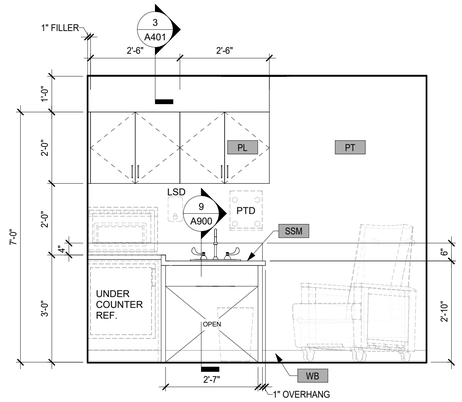
2 A603 EAST ELEVATION - SECURITY
SCALE: 1/2" = 1'-0"



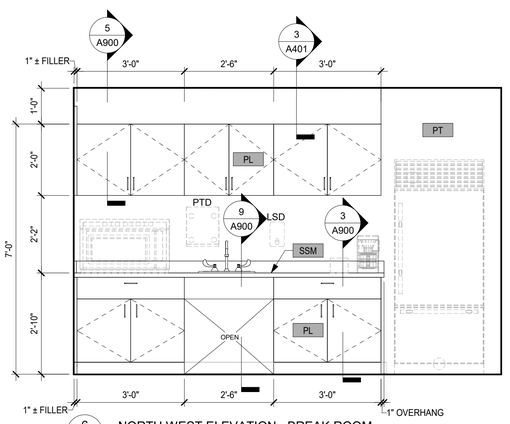
3 A603 SOUTH ELEVATION - SECURITY
SCALE: 1/2" = 1'-0"



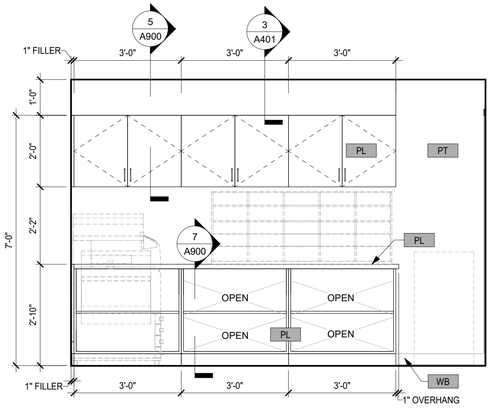
4 A603 WEST ELEVAATION - SECURITY
SCALE: 1/2" = 1'-0"



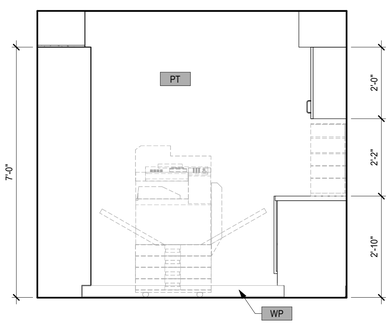
5 A603 WEST ELEVATION - MOTHER'S ROOM
SCALE: 1/2" = 1'-0"



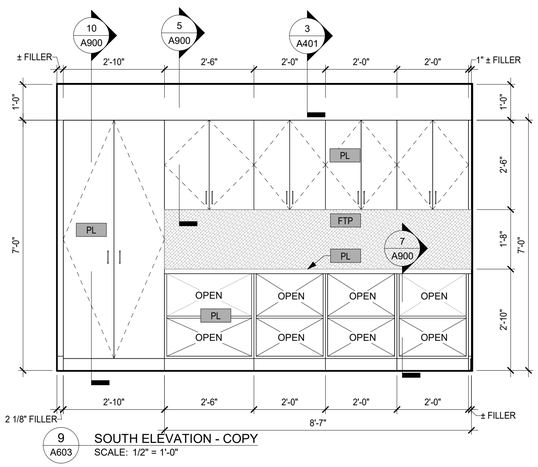
6 A603 NORTH WEST ELEVATION - BREAK ROOM
SCALE: 1/2" = 1'-0"



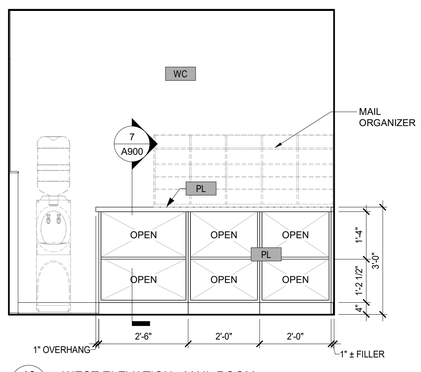
7 A603 NORTH ELEVATION - COPY
SCALE: 1/2" = 1'-0"



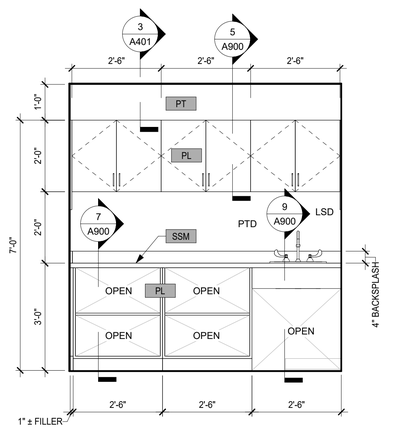
8 A603 WEST ELEVATION - COPY
SCALE: 1/2" = 1'-0"



9 A603 SOUTH ELEVATION - COPY
SCALE: 1/2" = 1'-0"



10 A603 WEST ELEVATION - MAIL ROOM
SCALE: 1/2" = 1'-0"



11 A603 EAST ELEVATION - LAUNDRY
SCALE: 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/E/P CONSULTANT	FELLENZER
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT	Convergent Technologies
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

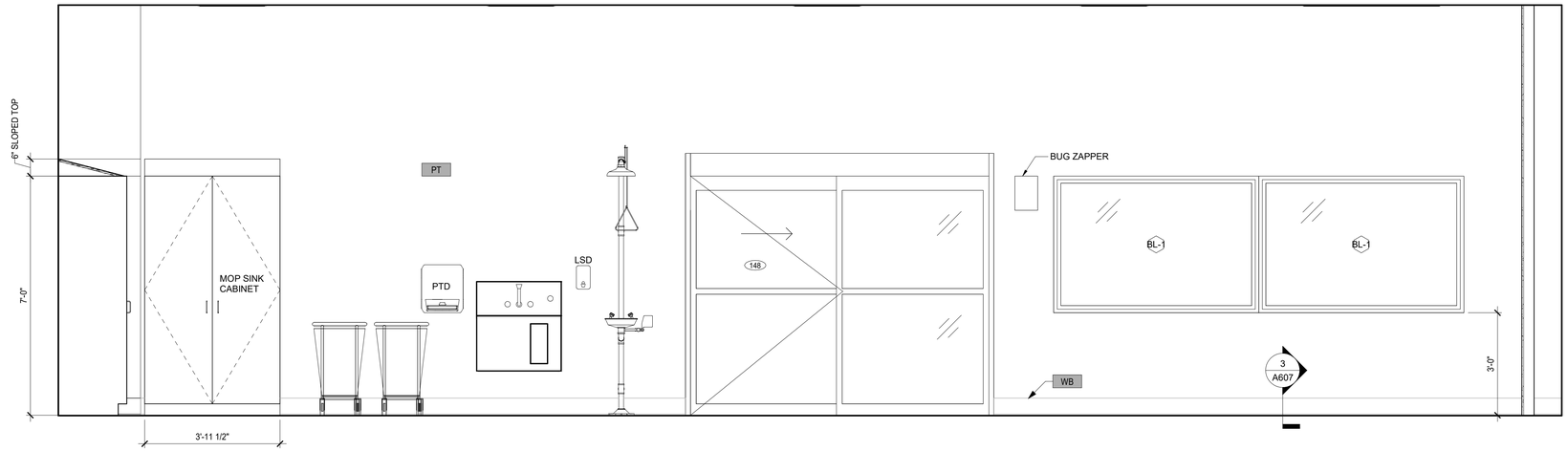
SHEET TITLE
INTERIOR ELEVATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

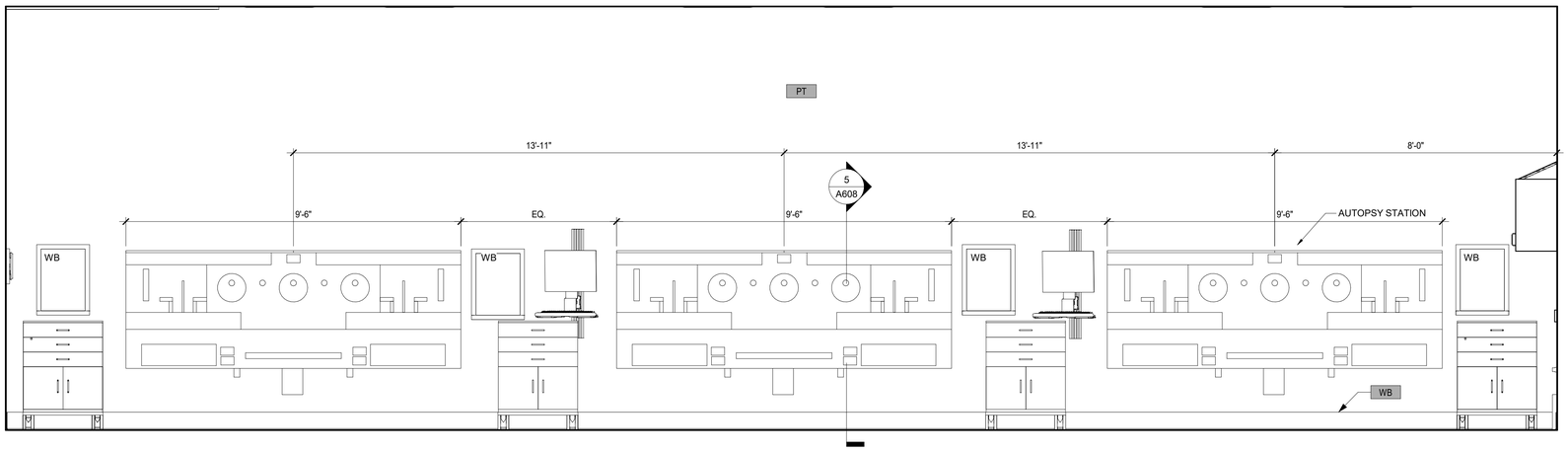
DATE:	11/18/2022
SCALE:	1/2" = 1'-0"
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A603

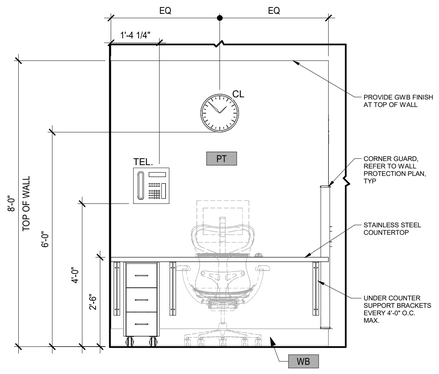
NOTE: SEE TYPICAL BLOCKING DETAIL 12/A607



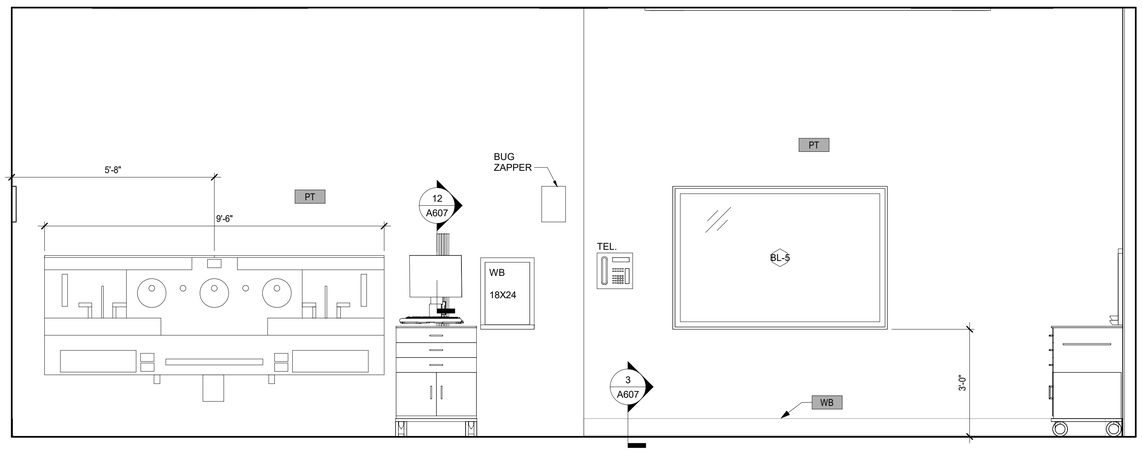
1 / A604 NORTH ELEVATION - AUTOPSY
SCALE: 1/2" = 1'-0"



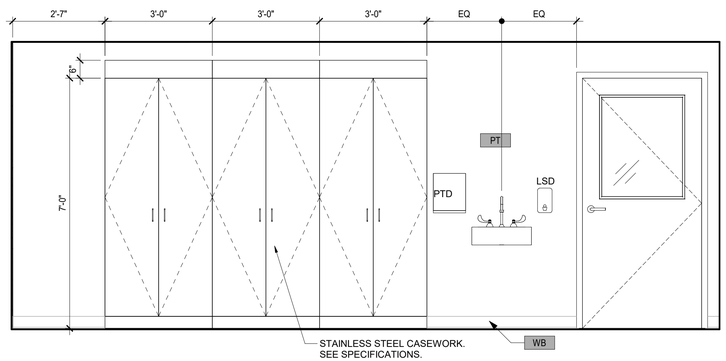
2 / A604 SOUTH ELEVATION - AUTOPSY
SCALE: 1/2" = 1'-0"



3 / A604 WEST ELEVATION - DICTATION
SCALE: 1/2" = 1'-0"



4 / A604 EAST ELEVATION - AUTOPSY
SCALE: 1/2" = 1'-0"



5 / A604 WEST ELEVATION - EVIDENCE STORAGE
SCALE: 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
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M/E/P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT	Government Technologies
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY
FORENSIC CONSULTANT	crime lab design

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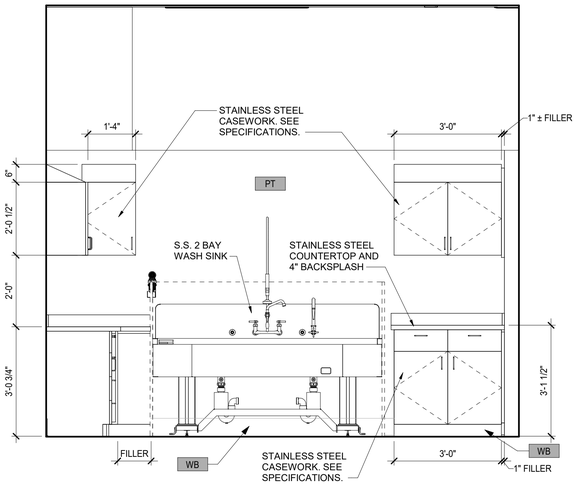
ORANGE COUNTY, NEW YORK

SHEET TITLE
INTERIOR ELEVATIONS

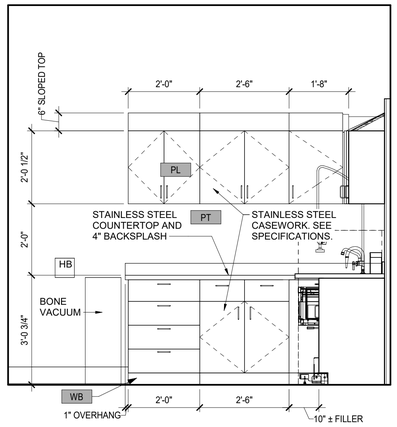
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/2" = 1'-0"
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

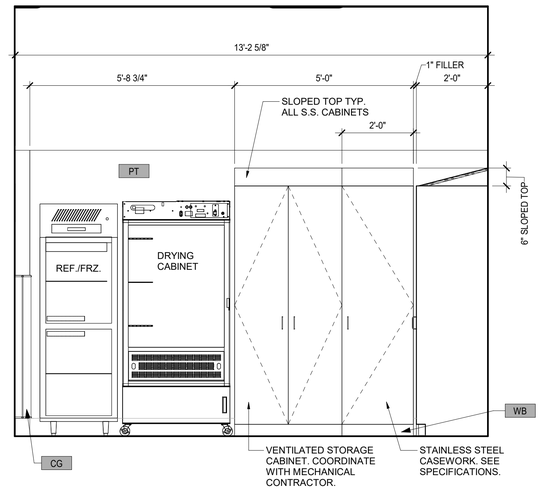
SHEET NUMBER
A604



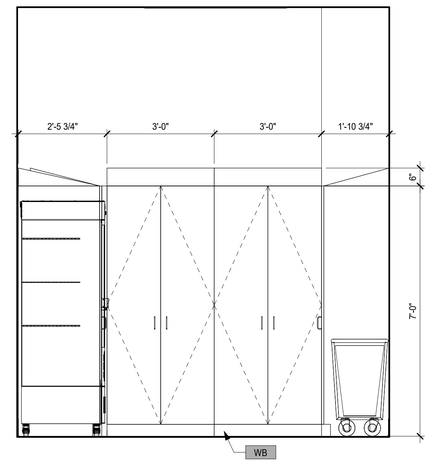
1 A605 NORTH ELEVATION - AUTOPSY WASH STATION
SCALE: 1/2" = 1'-0"



2 A605 WEST ELEVATION - AUTOPSY WASH STATION
SCALE: 1/2" = 1'-0"



3 A605 SOUTH ELEVATION - AUTOPSY CLEAN STATION
SCALE: 1/2" = 1'-0"



4 A605 WEST ELEVATION - AUTOPSY CLEAN STATION
SCALE: 1/2" = 1'-0"

5 A605 NORTH ELEVATION - SPECIAL AUTOPSY
SCALE: 1/2" = 1'-0"

6 A605 EAST ELEVATION - SPECIAL AUTOPSY
SCALE: 1/2" = 1'-0"

7 A605 SOUTH ELEVATION - SPECIAL AUTOPSY
SCALE: 1/2" = 1'-0"

8 A605 WEST ELEVATION - SPECIAL AUTOPSY
SCALE: 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
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Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

M/E/P CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
STRUCTURAL/ LT. SECURITY CONSULTANT: Governments Technologies
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY
FORENSIC CONSULTANT: crime lab design

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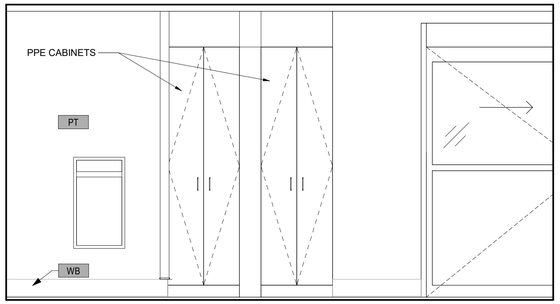
ORANGE COUNTY, NEW YORK

SHEET TITLE
INTERIOR ELEVATIONS

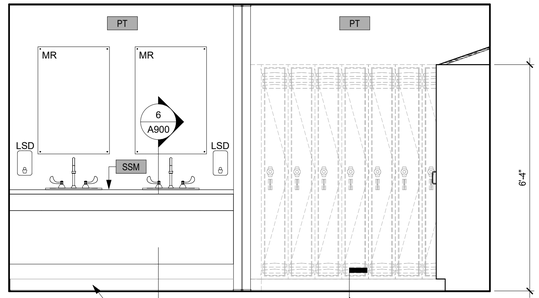
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/2" = 1'-0"
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

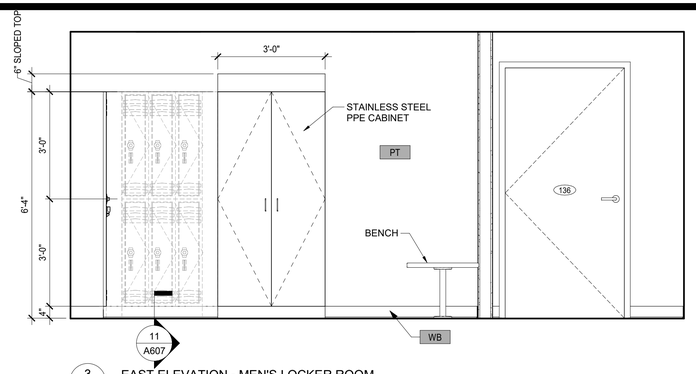
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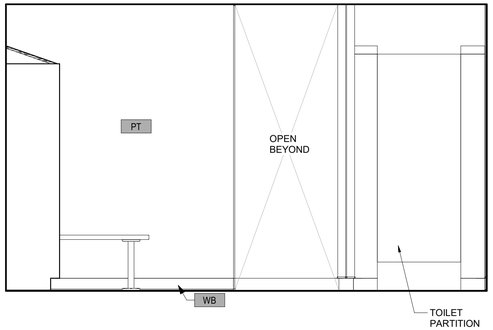
1 A606 SOUTH ELEVATION - CORRIDOR PPE CABINET
SCALE: 1/2" = 1'-0"



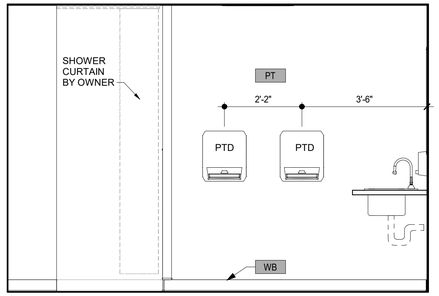
2 A606 NORTH ELEVATION - MEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



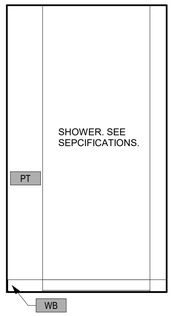
3 A606 EAST ELEVATION - MEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



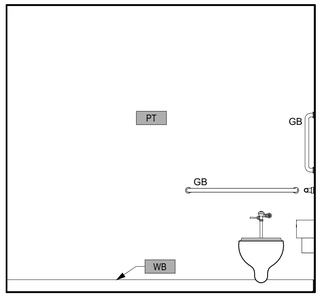
4 A606 SOUTH ELEVATION - MEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



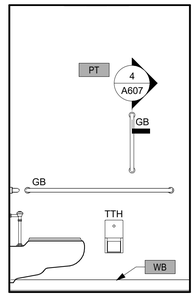
5 A606 WEST ELEVATION - MEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



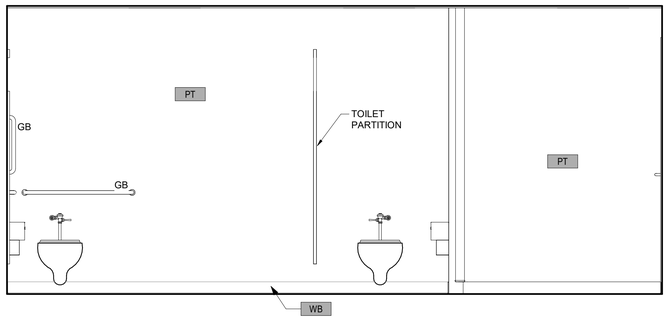
6 A606 NORTH ELEVATION - MEN'S SHOWER
SCALE: 1/2" = 1'-0"



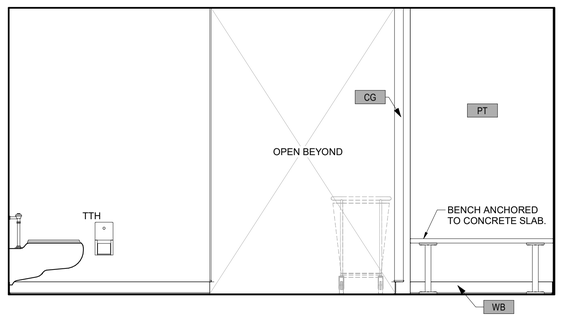
7 A606 SOUTH ELEVATION - MEN'S TOILET
SCALE: 1/2" = 1'-0"



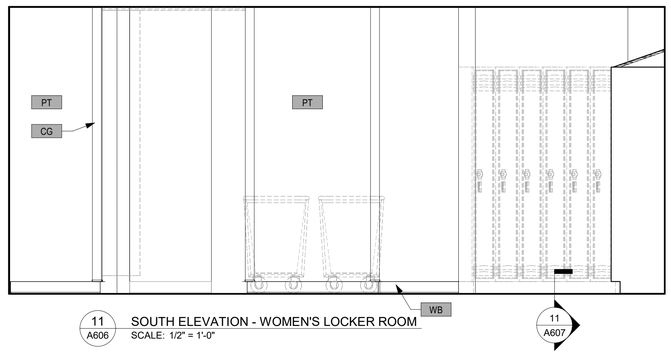
8 A606 WEST ELEVATION - MEN'S TOILET
SCALE: 1/2" = 1'-0"



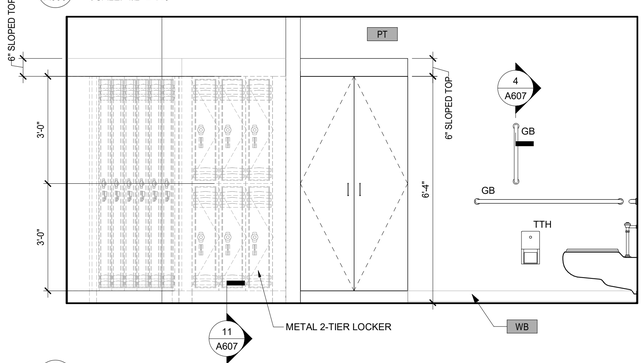
9 A606 NORTH ELEVATION - WOMEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



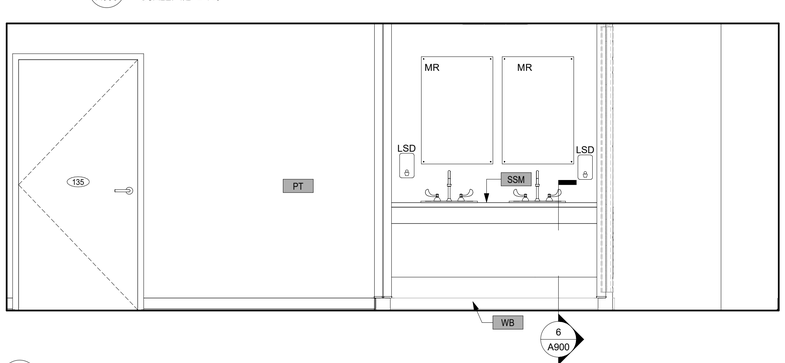
10 A606 EAST ELEVATION - WOMEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



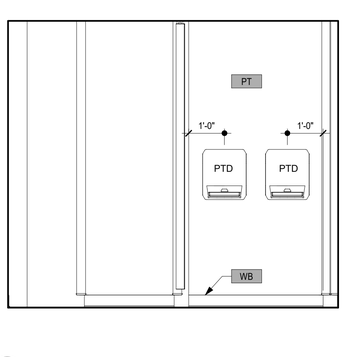
11 A606 SOUTH ELEVATION - WOMEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



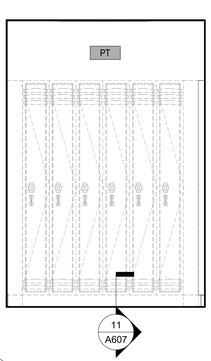
12 A606 WEST ELEVATION - WOMEN'S LOCKER ROOM
SCALE: 1/2" = 1'-0"



13 A606 EAST ELEVATION - WOMEN'S LOCKER ROOM - AT SINK
SCALE: 1/2" = 1'-0"



14 A606 WEST ELEVATION - WOMEN'S LOKCER ROOM - AT SINK
SCALE: 1/2" = 1'-0"



15 A606 SOUTHWEST ELEVATION - AT LOCKER
SCALE: 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 482-3470
www.hymanhayes.com

COST CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: Government Technologies
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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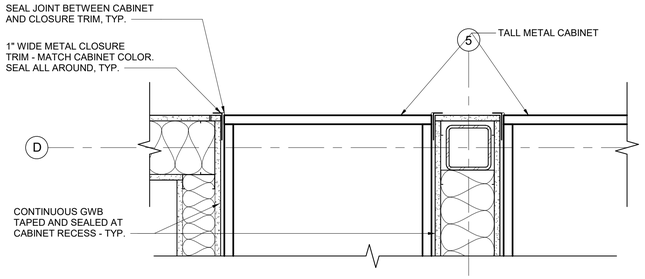
ORANGE COUNTY, NEW YORK

SHEET TITLE
INTERIOR ELEVATIONS

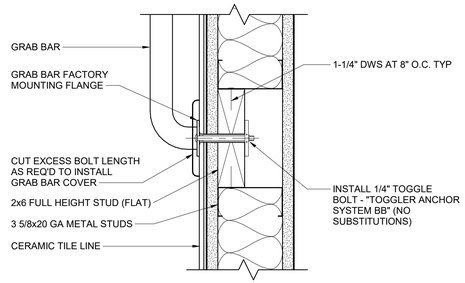
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/2" = 1'-0"
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CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

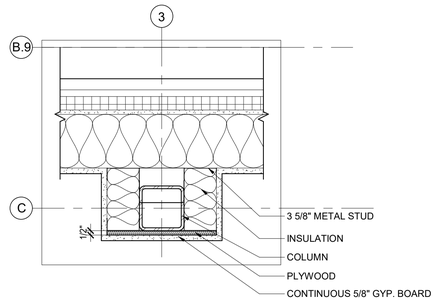
SHEET NUMBER
A606



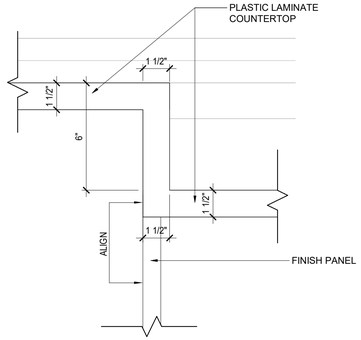
1 A607 DETAIL - PPE CABINET
SCALE: 1 1/2" = 1'-0"



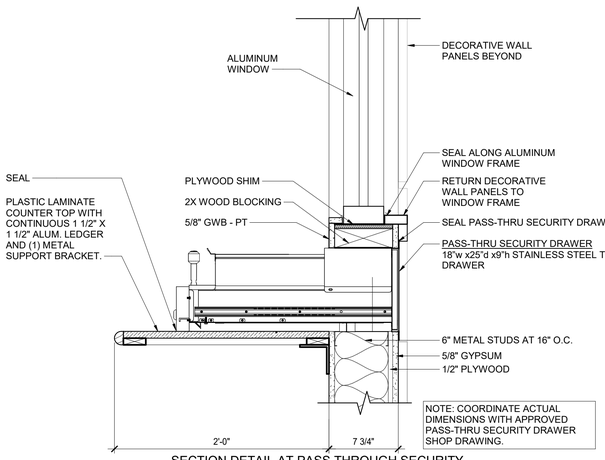
4 A607 ANCHORAGE AT GRAB BARS AND CABINETS
SCALE: 3" = 1'-0"



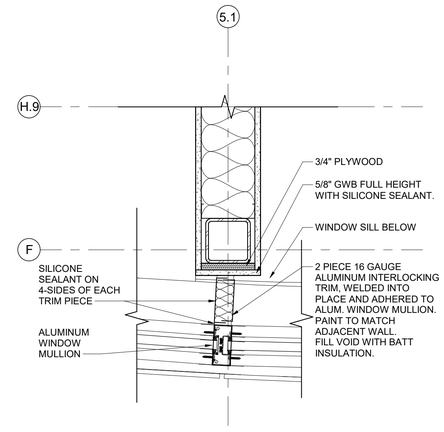
7 A607 DETAIL - COLUM ENCLOSURE (TYP.)
SCALE: 1 1/2" = 1'-0"



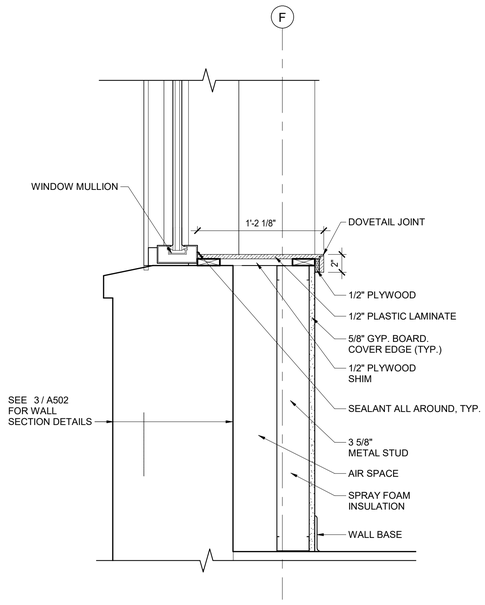
10 A607 DETAIL - COUNTER EDGE
SCALE: 3" = 1'-0"



2 A607 SECTION DETAIL AT PASS THROUGH SECURITY DRAWER
SCALE: 1 1/2" = 1'-0"

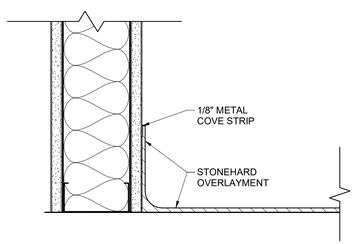


5 A607 DETAIL - PARTITION AT STOREFRONT
SCALE: 1 1/2" = 1'-0"

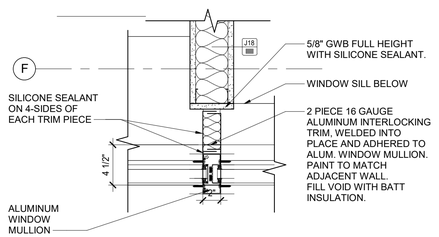


8 A607 SECTION DETAIL - AT HALF WALL
SCALE: 1 1/2" = 1'-0"

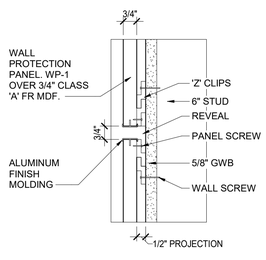
11 A607 DETAIL - LOCKER BASE
SCALE: 1 1/2" = 1'-0"



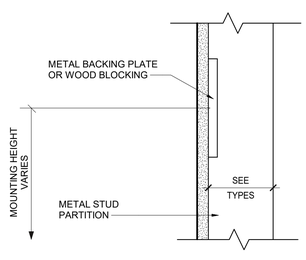
3 A607 STONEHARD BASE
SCALE: 3" = 1'-0"



6 A607 DETAIL - PARTITION AT MULLION
SCALE: 1 1/2" = 1'-0"



9 A607 WALL PROTECTION REVEAL
SCALE: 3" = 1'-0"



12 A607 TYPICAL BLOCKING DETAIL
SCALE: 3" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

ARCHITECT/INTERIOR DESIGN	HYMAN HAYES ASSOCIATES
STRUCTURAL ENGINEER	
M/E/P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Foos Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT	Government Technologies
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY
FORENSIC CONSULTANT	crime lab design

ORANGE COUNTY, NEW YORK

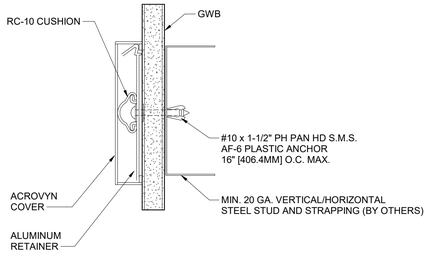
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
INTERIOR DETAILS

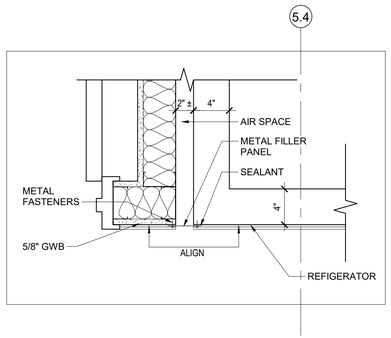
DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A607

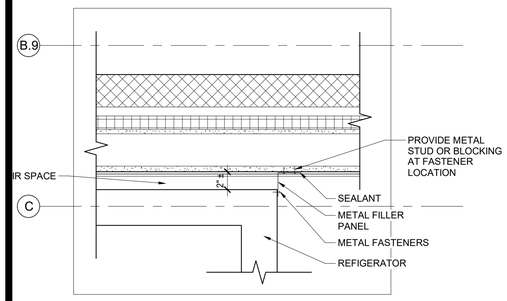
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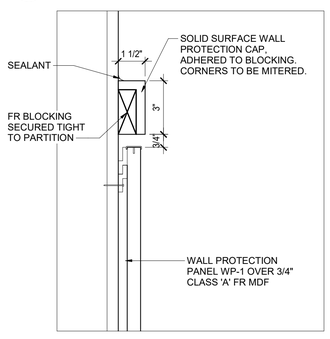
1 / A608 DETAIL - WALL BUMPER
SCALE: 6" = 1'-0"



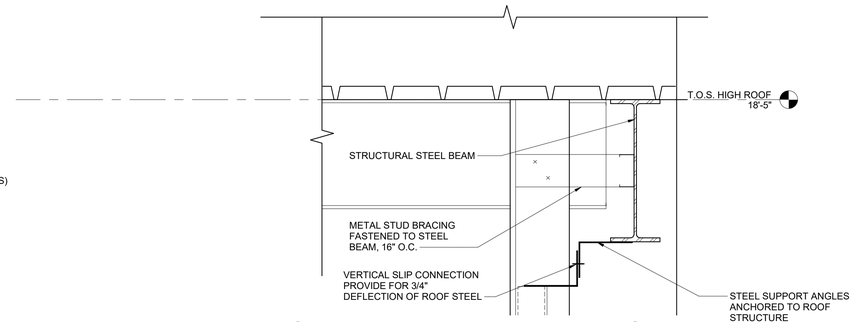
2 / A608 DETAIL - AT BODY REFIGERATOR AND PARTITION
SCALE: 1 1/2" = 1'-0"

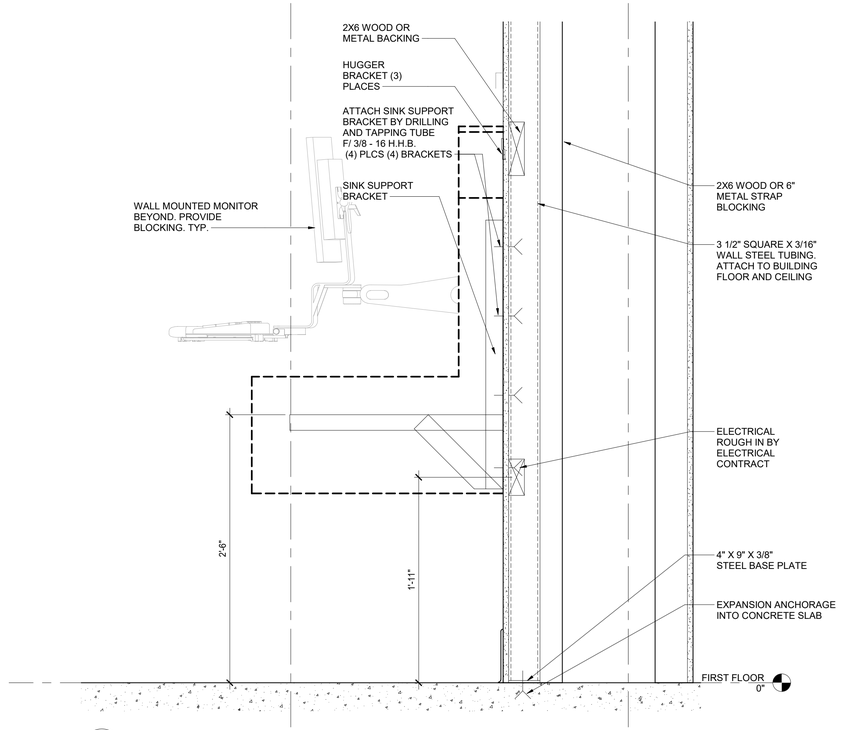


3 / A608 DETAIL - BODY REFIGERATOR TRANSITION
SCALE: 1 1/2" = 1'-0"

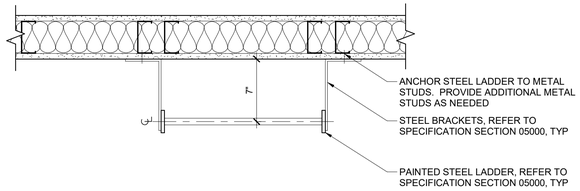


4 / A608 DETAIL - WALL PROTECTION CAP
SCALE: 3" = 1'-0"





5 / A608 DETAIL - SINK HEADWALL CONNECTION
SCALE: 1 1/2" = 1'-0"



6 / A608 DETAIL - STEEL ROOF ACCESS LADDER
SCALE: 1 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 102
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

FORENSIC CONSULTANT	M/EP CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
crime lab design	FELLENZER ENGINEERING	Foos Engineering & Land Surveying P.C.	Convergent TECHNOLOGIES ENGINEERING	CLOSED CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE:
INTERIOR DETAILS

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A608

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICK.	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	HARDWARE SET	LABEL	NOTES
100A	6'-0"	7'-0"	1 3/4"	SF	ALUM	FF	INSUL	SF	ALUM	FF	5/A700	-	6/A800	1		
100B	6'-0"	7'-0"	1 3/4"	SF	ALUM	FF	INSUL	SF	ALUM	FF	5/A700	-	7/A800	1.5		
101	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
103	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	12		
104	3'-0"	7'-0"	1 3/4"	N	HM	PT	-	1	HM	PT	8/A700	8/A700	-	14		
104A	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
105	3'-4"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
106	3'-4"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	7/A700	8/A700	-	17		
107	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	12		
108	3'-0"	7'-0"	1 3/4"	G	SCWD	STAIN	TEMP	1	HM	PT	8/A700	8/A700	-	17		
109	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	9		
110	3'-0"	7'-0"	1 3/4"	FG	ALUM	FF	INSUL	1	ALUM	FF	5/A700	5/A505	-	2		
111	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
111A	3'-0"	7'-0"	1 3/4"	N	SCWD	STAIN	TEMP	1	HM	PT	8/A700	8/A700	-	17.1		
113	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	7		
114	7'-6"	7'-0"	1 3/4"	F	SCWD	STAIN	-	3	HM	PT			-	20		CASED OPENING FRAME
115	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
116	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	12		
117	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	12		
118	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	23		
119	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
120	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
121	5'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	3	HM	PT	8/A700	8/A700	-	8		
122	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
123	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
125	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
126	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
127	3'-0"	7'-0"	1 3/4"	FG	ALUM	FF	INSUL	1	ALUM	FF	5/A700	-	-	15		
128	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
129	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	17		
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131	3'-0"	7'-0"	1 3/4"	G	SCWD	STAIN	TEMP	1	HM	PT	8/A700	8/A700	-	11		
132	3'-0"	7'-0"	1 3/4"	N	SCWD	STAIN	TEMP	1	HM	PT	8/A700	8/A700	-	17		
133	6'-0"	7'-0"	1 3/4"	FG	HM	PT	INSUL	3	HM	PT	8/A700	8/A700	-	3		
133A	6'-0"	7'-0"	1 3/4"	FG	HM	PT	INSUL	3	HM	PT	7/A700	7/A700	-	16		INSUL
134	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	19		INSUL
134A	6'-0"	7'-0"	1 3/4"	F	HM	PT	-	2	HM	PT	7/A700	7/A700	-	4		INSUL
135	3'-4"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	14		
136	3'-4"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	14		
137	3'-0"	7'-0"	1 3/4"	F	SCWD	STAIN	-	1	HM	PT	8/A700	8/A700	-	10		
138	3'-4"	7'-0"	1 3/4"	N	SCWD	STAIN	TEMP	2	HM	PT	8A700	8/A700	-	17		
138A	3'-4"	7'-0"	1 3/4"	N	HM	PT	TEMP	2	HM	PT	8A700	8/A700	-	14		
139	3'-4"	7'-0"	1 3/4"	N	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	17		
140	3'-0"	7'-0"	1 3/4"	G	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	9		
141	3'-0"	7'-0"	1 3/4"	F	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	17	90	
142	5'-0"	7'-0"	1 3/4"	F	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	8		
143	3'-0"	7'-0"	1 3/4"	N	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	17	45	
144	3'-0"	7'-0"	1 3/4"	N	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	10		
145	4'-0"	7'-0"	1 3/4"	F	HM	PT	-	1	HM	PT	8/A700	8/A700	-	21		LEAD LINED, HOLD OPEN
145A	4'-0"	7'-0"	1 3/4"	F	HM	PT	-	1	HM	PT	8/A700	8/A700	-	21		LEAD LINED, HOLD OPEN
145B	3'-0"	7'-0"	1 3/4"	N	HM	PT	-	1	HM	PT	8/A700	8/A700	-	22		LEAD LINED
145C	3'-0"	7'-0"	1 3/4"	N	HM	PT	-	1	HM	PT	8/A700	8/A700	-	22		LEAD LINED
146	4'-0"	7'-0"	1 3/4"	F	STL	FF	-	-	FF	FF	-	-	-	SEE NOTE 4		BY COOLER MANUF
146A	4'-0"	7'-0"	1 3/4"	F	STL	FF	-	-	FF	FF	-	-	-	SEE NOTE 4		BY COOLER MANUF
147	4'-5 1/2"	7'-0"	1 3/4"	FG	ALUM	FF	TEMP	-	ALUM	FF	13/A700	12/A700	-	SEE NOTE 3		9'-0" x 7'-0" OVERALL WIDTH
148	4'-5 1/2"	7'-0"	1 3/4"	FG	ALUM	FF	TEMP	-	ALUM	FF	13/A700	12/A700	-	SEE NOTE 3		9'-0" x 7'-0" OVERALL WIDTH
149	6'-0"	7'-0"	1 3/4"	FG	HM	PT	INSUL	SF	HM	PT	8/A503	10/A700	-	5	45	INSULATED
149A	6'-0"	7'-0"	1 3/4"	FG	HM	PT	TEMP	SF	HM	PT	3/A700	4/A700	-	6		
150	3'-0"	7'-0"	1 3/4"	N	HM	PT	TEMP	1	HM	PT	8/A700	8/A700	-	17		
151	3'-0"	7'-0"	1 3/4"	N	HM	PT	TEMP	1	HM	PT	8A700	8/A700	-	17		
152	3'-0"	7'-0"	1 3/4"	F	HM	PT	-	1	HM	PT	8/A700	8/A700	-	12		
155	3'-0"	7'-0"	1 3/4"	F	HM	PT	-	1	HM	PT	11/A700	9/A700	-	2.5		INSULATED
155A	3'-0"	7'-0"	1 3/4"	G	HM	PT	-	1	HM	PT	11/A700	9/A700	-	2.5		INSULATED
155B	8'-0"	10'-0"	3"	OH	STL	FF	INSUL	3	HM	PT	2/A503	6/A700	3/A503	SEE NOTE 5		INSULATED
155C	10'-0"	10'-0"	3"	OH	STL	FF	-	3	HM	PT	2/A503	6/A700	3/A503	SEE NOTE 5		INSULATED
155D	10'-0"	10'-0"	3"	OH	STL	FF	-	3	HM	PT	2/A503	6/A700	3/A503	SEE NOTE 5		INSULATED
155E	10'-0"	10'-0"	3"	OH	STL	FF	-	3	HM	PT	2/A503	6/A700	3/A503	SEE NOTE 5		INSULATED
156	17'-0"	7'-0"	3"	OH	STL	FF	-	-	HM	PT	2/A503	6/A700	-	SEE NOTE 5		INSULATED

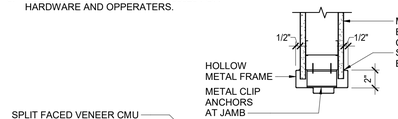
Grand total: 68

DOOR HARDWARE NOTES:

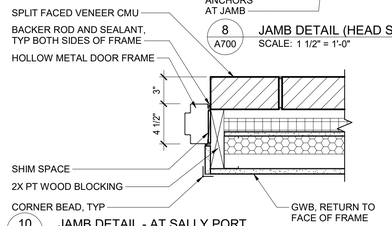
1. ALL DOORS ARE FLUSH 'F' UNLESS NOTED OTHERWISE.
2. ALL DOORS WITHOUT HARDWARE SET NOTED ARE TO BE PASSAGE SET.
3. SEE SPECIFICATION SECTION 084243 FOR HARDWARE. AUTOMATIC SLIDING DOORS.
4. SEE SPECIFICATION SECTION 117800 FOR HARDWARE. PROVIDE CARD SWIPE OPERATERS AND COORDINATE WITH COOLER MANUFACTURER.
5. SEE SPECIFICATION SECTION 083323 FOR HARDWARE AND OPPERATERS.

LEGEND:

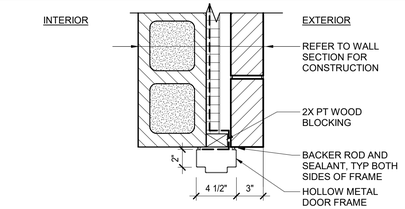
CER:	CERAMIC GLAZING (FIRE GLASS)
HM:	HOLLOW METAL
TEMP:	TEMPERED GLASS
PT:	PAINT SYSTEM
CLR:	CLEAR
SCWD:	SOLID CORE WOOD
ALUM:	ALUMINUM
ANOD:	ANODIZED
GL:	GLASS
INSUL:	INSULATED
STAIN:	STAIN



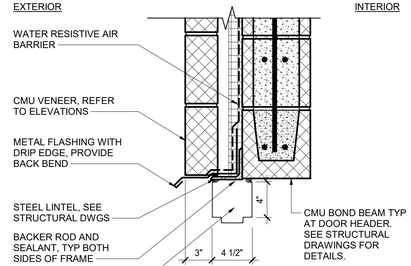
8 A700 JAMB DETAIL (HEAD SIM.)
SCALE: 1 1/2" = 1'-0"



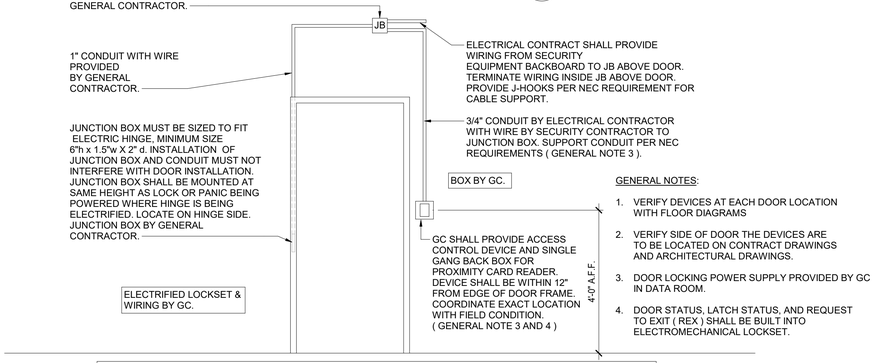
10 A700 JAMB DETAIL - AT SALLY PORT
SCALE: 1 1/2" = 1'-0"



9 A700 JAMB DETAIL - MASONRY AT SALLY PORT
SCALE: 1 1/2" = 1'-0"



11 A700 HEAD DETAIL - MASONRY AT SALLY PORT
SCALE: 1 1/2" = 1'-0"

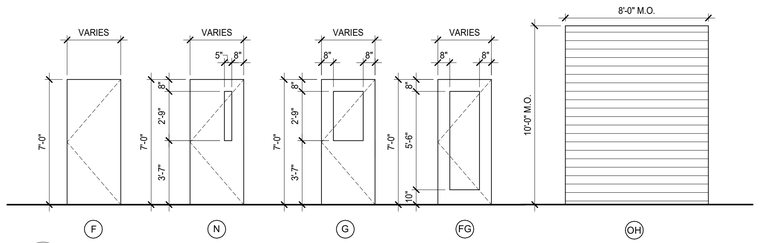


GENERAL NOTES:

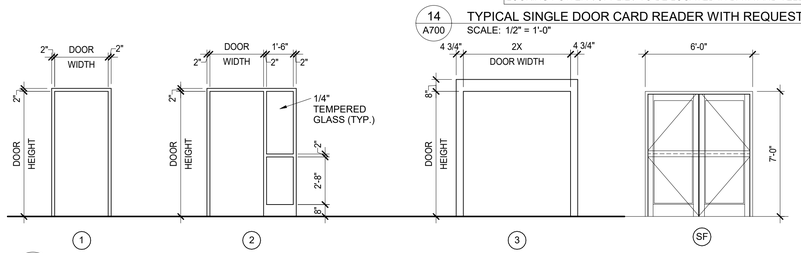
1. VERIFY DEVICES AT EACH DOOR LOCATION WITH FLOOR DIAGRAMS
2. VERIFY SIDE OF DOOR THE DEVICES ARE TO BE LOCATED ON CONTRACT DRAWINGS AND ARCHITECTURAL DRAWINGS.
3. DOOR LOCKING POWER SUPPLY PROVIDED BY GC IN DATA ROOM.
4. DOOR STATUS, LATCH STATUS, AND REQUEST TO EXIT (REX) SHALL BE BUILT INTO ELECTROMECHANICAL LOCKSET.

NOTE: THE GC WILL PROVIDE CARD READERS AND ASSOCIATED WIRING TO JB AND EXTEND CARD ACCESS WIRING WITH INTERFACE CABLING FROM GC PROVIDED LOCKSET WIRING TO NEW LENEL ACCESS CONTROLLERS AND LOCKING POWER SUPPLIES TO BE LOCATED IN DATA AND TELEPHONE CLOSETS ON EACH ROOM.

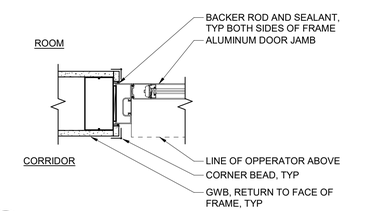
14 A700 TYPICAL SINGLE DOOR CARD READER WITH REQUEST TO EXIT-DOOR STATUS AND LATCH STATUS
SCALE: 1/2" = 1'-0"



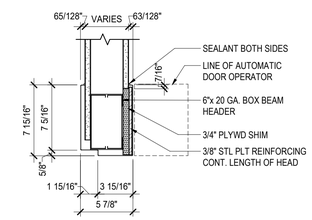
1 A700 DOOR TYPES
SCALE: 1/4" = 1'-0"



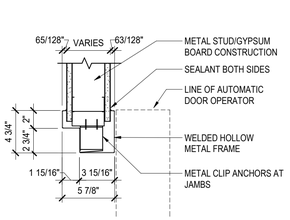
2 A700 FRAME TYPES
SCALE: 1/4" = 1'-0"



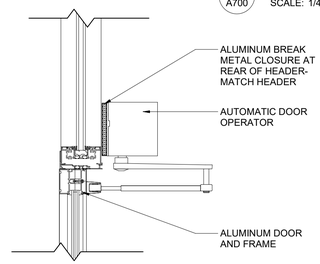
12 A700 JAMB DETAIL - ALUMINUM SLIDING DOOR
SCALE: 1 1/2" = 1'-0"



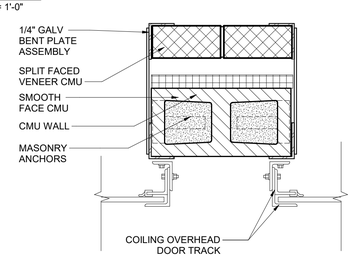
3 A700 HEAD DETAIL - OPERATOR
SCALE: 1 1/2" = 1'-0"



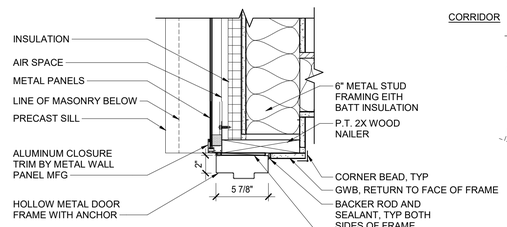
4 A700 JAMB DETAIL - OPERATOR
SCALE: 1 1/2" = 1'-0"



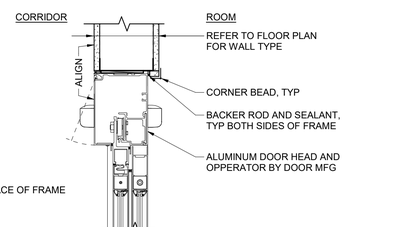
5 A700 HEAD DETAIL - OPERATOR STOREFRONT
SCALE: 1 1/2" = 1'-0"



6 A700 JAMB DETAIL-COILING DOOR
SCALE: 1 1/2" = 1'-0"



7 A700 JAMB DETAIL - EXTERIOR (HEAD SIM.)
SCALE: 1 1/2" = 1'-0"



13 A700 HEAD DETAIL - ALUMINUM SLIDING DOOR
SCALE: 1 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergence Technologies
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

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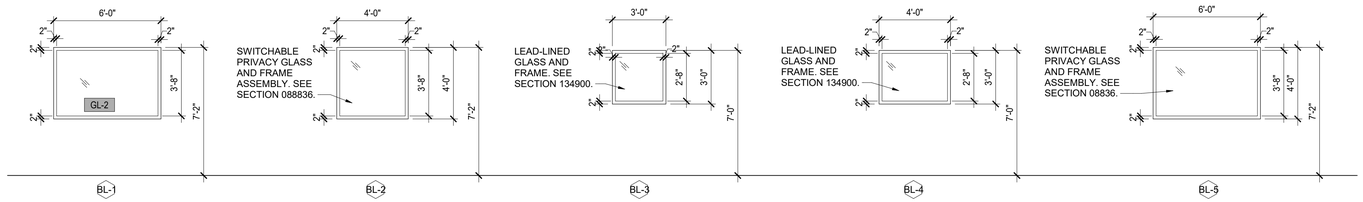
ORANGE COUNTY, NEW YORK

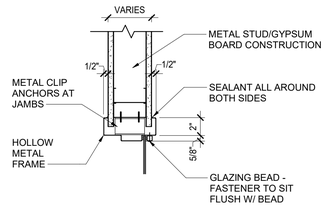
SHEET TITLE:
DOOR SCHEDULE AND DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A700



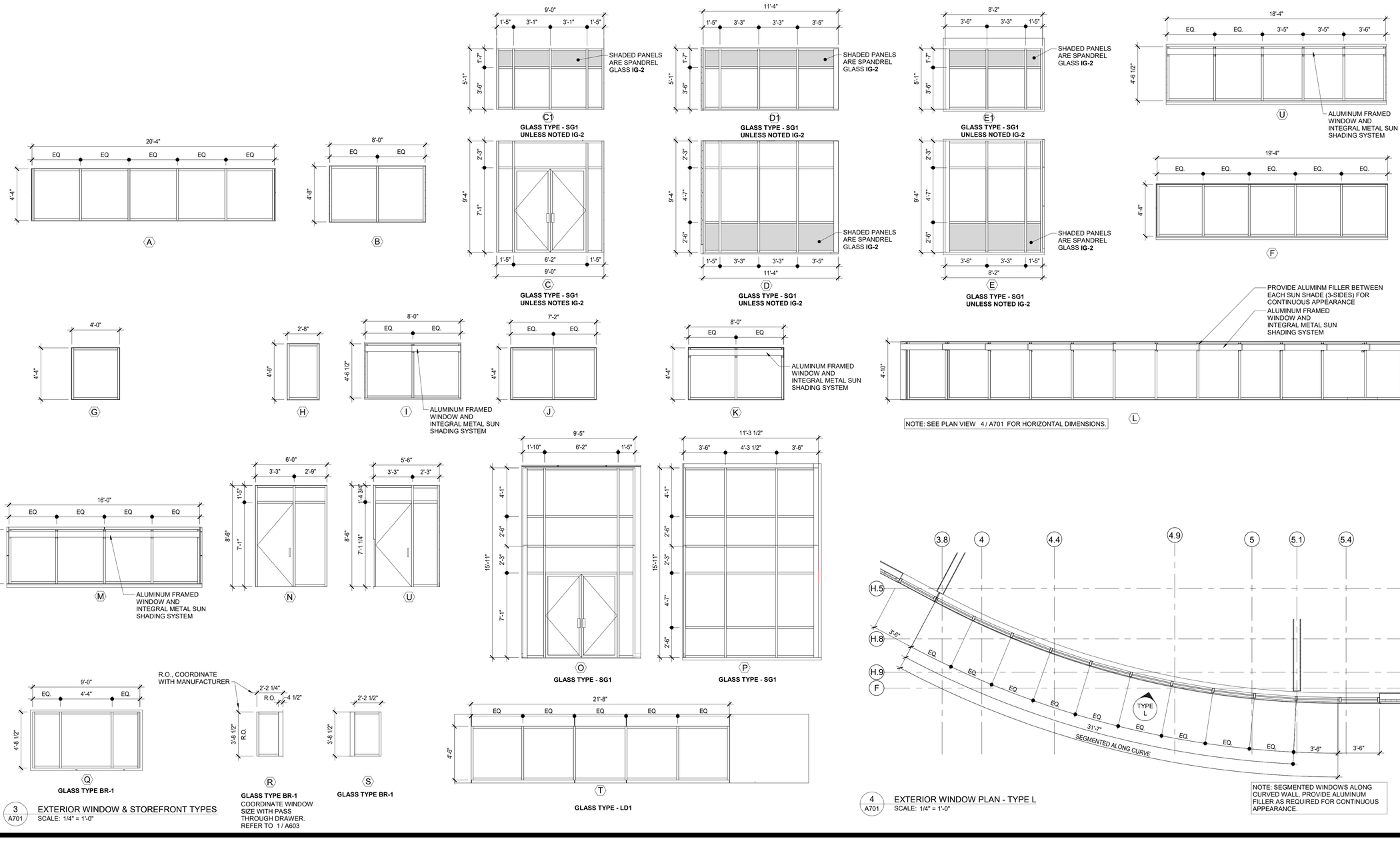


WINDOW/BORROWED LITE SCHEDULE NOTES:

1. ALL EXTERIOR WINDOWS TO BE **'IG1'** UNLESS NOTED OTHERWISE.
2. GLASS TYPE INDICATED BELOW EACH ELEVATION ON THIS SHEET APPLIES TO ALL PANELS IN ELEVATION UNLESS NOTED OTHERWISE.

1 / A701 BORROWED LITE FRAME TYPES
SCALE: 1/4" = 1'-0"

2 / A701 JAMB - BORROWED LITE (HEAD SIM.)
SCALE: 1 1/2" = 1'-0"



GLASS TYPE - SG1 UNLESS NOTES IG-2

GLASS TYPE - SG1 UNLESS NOTED IG-2

GLASS TYPE - SG1

GLASS TYPE BR-1

GLASS TYPE BR-1
COORDINATE WINDOW SIZE WITH PASS THROUGH DRAWER. REFER TO 1 / A603

GLASS TYPE BR-1

GLASS TYPE - LD1

3 / A701 EXTERIOR WINDOW & STOREFRONT TYPES
SCALE: 1/4" = 1'-0"

NOTE: SEGMENTED WINDOWS ALONG CURVED WALL. PROVIDE ALUMINUM FILLER AS REQUIRED FOR CONTINUOUS APPEARANCE.

4 / A701 EXTERIOR WINDOW PLAN - TYPE L
SCALE: 1/4" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

COST CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLOSES CONTRACT INTERIORS, LLC
LT. SECURITY CONSULTANT: Convergent Technologies
CIVIL CONSULTANT: Focus Engineering & Land Surveying, P.C.
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE
WINDOW/ BORROWED LITE SCHEDULE AND DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

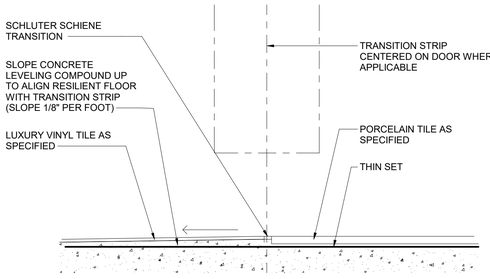
SHEET NUMBER
A701

FINISH SELECTIONS SCHEDULE

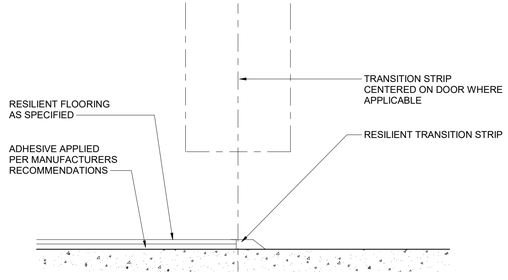
LOCATION	CODES	DESCRIPTION	MANUFACTURER/PATTERN	SERIAL NUMBER/COLOR	NOTES	SPECIFIC LOCATION
FLOOR						
	CPT-1	CARPET / CARPET TILE	J&J FLOORING, KINETIX / PUT A CORK IN IT	24" x 24", CRUET 2193	TEP-2 BETWEEN CPT-1 AND T-1, INSTALL METHOD: ASHLAR	WAITING AREA INSET
	CPT-2	CARPET / CARPET TILE	J&J FLOORING, FRACTURED PLAID	24" x 24", CORDED 2883	INSTALL METHOD: ASHLAR	OFFICE / ADMIN AREAS
	CS-1	CONCRETE SEALER	SHERWIN WILLIAMS	ARMORSEAL 8100, WATER BASED EPOXY FLOOR COATING		
	LVT-1	LUXURY VINYL TILE	SHAW CONTRACT, SOUNDSCAPE	6"X48", SAND 63250, 5MM THICK	INSTALL METHOD: ASHLAR	
	LVT-2	LUXURY VINYL TILE	SHAW CONTRACT, KIND	24"X24", SLATE 23520, 5MM THICK	INSTALL METHOD:QUARTER TURN	
	LVT-3	LUXURY VINYL TILE	SHAW CONTRACT, THOUGHTFUL	24"X24", CRISP 22518, 5MM THICK	INSTALL METHOD:QUARTER TURN	
	RFC-1	RESINOUS FLOOR COATING	STONHARD, STONECLAD / STONKOTE	COLOR TO MATCH ARCHITECTS SAMPLE		
	RFC-2	RESINOUS FLOOR COATING	STONHARD, STONESHIELD / TECTOP	COLOR TO MATCH ARCHITECTS SAMPLE	MINIMAL TEXTURE	
	RFC-3	RESINOUS FLOOR COATING	STONHARD, STONECLAD / FLAKE	COLOR TO MATCH ARCHITECTS SAMPLE	SMALL FLAKE, MATCH ARCHITECTS SAMPLE	
	RFC-4	RESINOUS FLOOR COATING	STONHARD, STONEKOTE	COLOR TO MATCH ARCHITECTS SAMPLE		
	T-1	FLOOR TILE	CROSSVILLE, PORTUGAL PORCELAIN TILE	24"X24", COLOR PTG03, VENHO VERDE, EXTERIOR FINISH	INSTALL METHOD: SQUARE SET	LOBBY
	T-2	FLOOR TILE	CROSSVILLE, PORTUGAL PORCELAIN TILE	6"X24", COLOR PTG03, VENHO VERDE,EXTERIOR FINISH	INLAID BORDER	LOBBY
	T-3	FLOOR TILE	CROSSVILLE, PORTUGAL PORCELAIN TILE	12"X24", COLOR PTG03, VENHO VERDE, EXTERIOR FINISH	INSTALL METHOD: HERRINGBONE	LOBBY
	T-4	FLOOR TILE	AMERICAN OLEAN, NEOSPECK PORCELAIN TILE	12"X24", LIGHT GREY	TEP-1 AT EDGES; INSTALL METHOD: STACKED HORIZONTAL	BATHROOM FLOORS
	WOM-1	WALK OFF MAT	MATS INC.,	DUAL TRACK,COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE		
	WOM-2	WALK OFF MAT	SHAW CONTRACT, STEPPIN OUT	24"X24" TILE, COLOR: STERLING 31557	SET WITHIN LVT AS SHOWN ON PLAN	CORRIDOR
	TR-1	TRANSITION STRIP	TARKETT	COORD WITH FLOORING THICKNESS, COLOR: IRON MOUNTAIN	BETWEEN LVT AND RESINOUS FLOOIRNG / CONCRETE	
WALL						
	CG-1	CORNER GUARD	C/S GROUP	SM-20, COLOR: FOG	FULL HEIGHT	
	CG-2	CORNER GUARD	C/S GROUP	SM-20M, COLOR: FOG	FULL HEIGHT	
	CG-3	CORNER GUARD	C/S GROUP	SM-20, COLOR: WHITE	FULL HEIGHT	
	CG-4	CORNER GUARD	C/S GROUP	ACO-8, STAINLESS STEEL. FULL HEIGHT	TO BE INSTALLED BEHIND WP-1 PANELS AS NOTED ON FINISH PLAN	LOBBY
	MMR	MOISTURE MOLD MILDEW RESISTANT GWB	AS SPECIFIED			
	PT-1	PAINT	SHERWIN WILLIAMS	SW6252 ICE CUBE, FINISH: EGGSHELL		GENERAL WALL COLOR, ADMIN AREAS
	PT-2	PAINT	SHERWIN WILLIAMS	SW7669 SUMMIT GRAY, FINISH: SEMI-GLOSS		DOOR TRIM COLOR
	PT-3	PAINT	SHERWIN WILLIAMS	SW9152 LET IT RAIN, FINISH: EGGSHELL		ACCENT COLOR
	PT-4	PAINT (EPOXY PAINT)	SHERWIN WILLIAMS	SW7005 PURE WHITE, FINISH: EPOXY	USE ON WALLS AND GWB CEILINGS IN ROOMS NOTED TO HAVE PT-4	GENERAL WALL AND CEILING COLOR (AUTOPSY & BACK OF HOUSE)
	PT-5	PAINT	SHERWIN WILLIAMS	SW7005 PURE WHITE, FINISH: EGGSHELL		GENERAL WALL COLOR (BACK OF HOUSE AREAS)
	PT-6	CEILING PAINT	SHERWIN WILLIAMS	SW7006 EXTRA WHITE		
	PT-7	PAINT	SHERWIN WILLIAMS	SW7669 SUMMIT GRAY		IN LOBBY, TO BE APPLIED BEHIND WP-1
	T-5	WALL TILE	AMERICAN OLEAN, COLOR STORY	8"X24", DEPENDABLE GREY, MATTE	TEP-1 AT EDGES	WET WALL, SEE ELEVATION
	T-6	WALL TILE	AMERICAN OLEAN, COLOR STORY	8"X24", DEPENDABLE GREY, GLOSS	TEP-1 AT EDGES	WET WALL, SEE ELEVATION
	WB-1	WALL BASE	TARKETT	4" COVE, IRON MOUNTAIN		
	WB-2	WALL BASE	STONHARD, TO MATCH FLOOR SYSTEM	TO MATCH FLOOR SYSTEM, 4" HIGH		
	WB-3	WALL BASE	SCHLUTER	DESIGNBASE SL, BRUSHED STAINLESS STEEL, 4 3/8" HIGH		
	WC-1	WALL COVERING	MOMENTUM, HALCYON	COLOR: ASL-127592 FELT GREY, 20 OZ., TYPE II		
	WC-2	WALL COVERING	MOMENTUM, FIJI	COLOR: ASL-139350 BLUEBERRY, 20 OZ., TYPE II		
	WG-1	WALL GUARD	C/S ACROVYN	BCR-48 COLOR: YALE BLUE, 6"		
	WG-2	WALL GUARD	C/S ACROVYN	BCR-40 COLOR: MISSION WHITE, 4"		
	WP-1	WALL PROTECTION	SPECTRIM	VENMA4 48"X96" OR 48"X120" WALL PROTECTION PANELS, COLOR: RUSTIK, .040 THICKNESS	ON 3/4" MDF W/ RICHELIEU TRIM - 319412170, PANELS CUT TO SIZE SHOWN IN ELEVATIONS	LOBBY
	WP-2	WALL PROTECTION	WOLF GORDON, RAMPART, ASHLAR	ASH5074 COLOR: FROST, 35 OZ VINYL WALLCOVERING		
	WP-3	WALL PROTECTION	WOLF GORDON, RAMPART, VENN TEXTURE	VHT5747 COLOR: IRON, 35 OZ VINYL WALLCOVERING		
	WP-4	WALL PROTECTION	WOLF GORDON , RAMPART, CUSTOM IMAGE	35 OZ VINYL WALLCOVERING W/ CUSTOM IMAGE		
	WP-5A	WALL PROTECTION	WOLF GORDON , RAMPART, CUSTOM IMAGE	35 OZ VINYL WALLCOVERING W/ CUSTOM IMAGE		
	WP-5B	WALL PROTECTION	WOLF GORDON , RAMPART, CUSTOM IMAGE	35 OZ VINYL WALLCOVERING W/ CUSTOM IMAGE		
	WP-6	WALL PROTECTION	WOLF GORDON , RAMPART, GLAZE	GLZ5725 COLOR: TIMBER, 35 OZ VINYL WALLCOVERING		
	WP-7	WALL PROTECTION	C/S ACROVYN	RIGID SHEET 0.060" THICK, COLOR MISSION WHITE		
CEILING						
	APC-1	ACOUSTICAL PANEL CEILING	ARMSTRONG OPTIMA PB,TEGULAR 24" X 24"	OPTIMA TEGULAR PB TILE WITH 15/16" GRID,3250PB		
	APC-2	ACOUSTICAL PANEL CEILING	ARMSTRONG OPTIMA PB,TEGULAR 24" X 48"	OPTIMA TEGULAR PB TILE WITH 15/16" GRID,3250PB		LOBBY
	APC-3	ACOUSTICAL PANEL CEILING	ARMSTRONG OPTIMA PB CONCEALED, 48"X48"	OPTIMA PB TILE WITH CONCEALED SUSPENSION SYSTEM, 8539PB		
	EC-1	EXPOSED CEILING				
	GBC-1	GYPSUM BOARD CEILING	AS SPECIFIED	(1) LAYER TYPE 'X' GYPSUM WALL BOARD		
	GBC-2	ACOUSTICAL GYPSUM BOARD CEILING	AS SPECIFIED	(1) LAYER TYPE 'X' GYPSUM WALL BOARD		
	LMC-1	LINEAR METAL CEILING	ARMSTRONG, METALWORKS	TEGULAR, VECTOR, 4" WIDE PANELS, COLOR: SESAME, WITH MICRO PERFORATION AND ACOUSTIC BATTS		
	LMC-2	LINEAR METAL CEILING	ARMSTRONG, METALWORKS	TEGULAR, VECTOR, 4" WIDE PANELS, COLOR: WHITE		
OTHER						
	PL-1	PLASTIC LAMINATE	FORMICA	GREIGE SOFTWOOD		BASE AND WALL CABINETS
	PL-2	PLASTIC LAMINATE	PIONITE	NEGOTIATING IN GENEVA		SILLS AND WORK COUNTERS
	SSM-1	SOLID SURFACE MATERIAL	WILSONART	9215CE KIMBERLITE		
	TEP-1	TILE EDGE PROTECTION	SCHLUTER	RONDEC	TO BE SIZED TO TILE THICKNESS	
	TEP-2	TILE EDGE PROTECTION	SCHLUTER	QUADEC	TO BE SIZED TO TILE THICKNESS	
	WS-1	WINDOW SHADE	SEE FFE PACKAGE FOR INFORMATION	SEE FFE PACKAGE FOR INFORMATION		

FINISH LEGEND ABBREVIATIONS

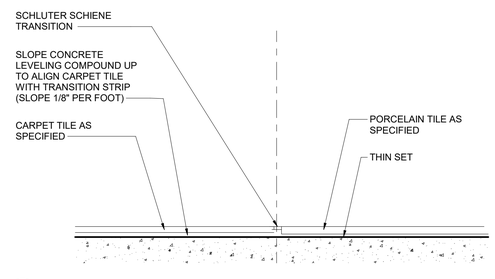
APC	ACOUSTICAL PANEL CEILING
AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CBB	CONCRETE BACKER BOARD
CG	CORNER GUARD
CONC	CONCRETE
CPT	CARPET
CR	CHAIR RAIL
CS	CONCRETE SEALER
DP	DECORATIVE PANEL
E	EXISTING
EFTR	EXSITING FINISH TO REMAIN
EPX	EPOXY PAINT
FF	FACTORY FINISH
FTP	FABRIC WRAPPED TACK PANEL
GT	GROUT
GWB	GYPSUM WALL BOARD
HR	HANDRAIL
IR	IMPACT RESISTANT GWB
LCK	LOCKER
LMC	LINEAR METAL CEILING
MMR	MOISTURE MOLD MILDEW RESISTANT GWB
MT	METAL TRIM
NF	NATURAL FINSIH
PC	PRIVACY CURTAIN
PL	PLASTIC LAMINATE
PLY	PLYWOOD
PT	PAINT
PWT	PORCELAIN WALL TILE
QT	QUARTZ SURFACE
RES	RESINOUS PANEL
RFC	RESINOUS FLOOR COATING
RST	RESILIENT STAIR TREAD
RWC	RESINOUS WALL COATING
SB	SANITARY BASE
SSM	SOLID SURFACE MATERIAL
ST	STAIN
T	TILE
TAC	TEXTURED ACRYLIC COATING
TBD	TO BE DETERMINED
TKBD	TACKBOARD
TP	TRANSLUCENT PANEL
TR	TRANSITION STRIP
VC	VINYL CLADDING
VCT	VINYL COMPOSITION TILE
VPF	VINYL PLANK FLOOR
VSG	VINYL SHEET GOOD
VWC	VINYL WALLCOVERING
WB	WALL BASE
WC	WALLCOVERING
WD	WOOD
WG	WALL GUARD
WOM	WALK OFF MAT
WP	WALL PROTECTION
WR	WELDING ROD



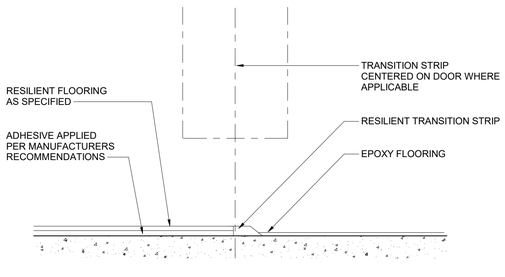
1 A800 TRANSITION - LVT TO PORCELAIN
SCALE: 1" = 1'-0"



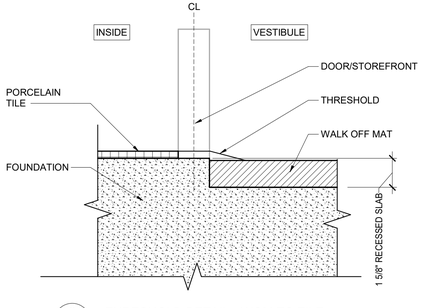
2 A800 TRANSITION - LVT TO CONCRETE
SCALE: 1" = 1'-0"



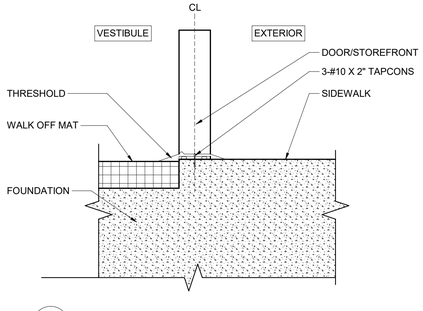
4 A800 TRANSITION - CARPET TILE TO PORCELAIN
SCALE: 1" = 1'-0"



5 A800 TRANSITION - LVT TO EPOXY
SCALE: 1" = 1'-0"



6 A800 THRESHOLD DETAIL - WOM TO TILE
SCALE: 3" = 1'-0"



7 A800 THRESHOLD DETAIL - EXTERIOR SIDELWALK TO WOM
SCALE: 3" = 1'-0"

FINISH NOTES

1. PROVIDE TRANSITION STRIP BETWEEN ALL DISSIMILAR THICKNESS FLOORING MATERIALS UNLESS OTHERWISE NOTED.
2. SEE REFLECTED CEILING PLAN FOR CEILING LAYOUTS AND HEIGHTS.
3. WITHIN PROJECT SCOPE/FLOOR, ALL EXPOSED FACES OF GYPSUM WALLBOARD SOFFITS TO BE PAINTED COLOR AS INDICATED ON REFLECTED CEILING PLANS, UNLESS NOTED OTHERWISE ON FINISH SCHEDULES.
4. ALL ITEMS THAT ARE NOT SPECIFICALLY REFERRED TO ON THESE DRAWINGS ARE TO BE SELECTED BY THE ARCHITECT FROM THE MANUFACTURER'S STANDARD SAMPLES SHOWING A FULL RANGE OF COLORS AND TEXTURE AVAILABLE.
5. FOLLOW MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS FOR INSTALLATION OF ALL MATERIALS.
6. IF A WALL IS TO RECEIVE CEMENTITIOUS BACKER BOARD FOR WALL TILE ON A PORTION OF THE WALL THE REST OF THE WALL MUST RECEIVE GYPSUM WALLBOARD OF SAME THICKNESS TO ENSURE THE PROJECTION OF THE WALL IS FLUSH.
7. PROVIDE WALL BASE AT ALL MILLWORK UNLESS NOTED OTHERWISE. FINAL LOCATIONS OF ALL PLASTIC LAMINATE AND SOLID SURFACE COLORS TO BE COORDINATED WITH MILLWORK SHOP DRAWINGS.
8. ALL WALL BASE TO BE MITERED AT CORNERS.
9. CORNER GUARDS TO START AT TOP OF WALL BASE, UNLESS NOTED OTHERWISE. PROVIDE END CAPS AT TOP BOTTOM. ALL CORNER GUARDS TO BE FULL HEIGHT UNLESS NOTED OTHERWISE
10. EXTEND FLOOR FINISH IN CORRIDORS INTO DOORWAY OPENINGS UP TO THE FRONT FACE OF DOOR.
11. CONTRACTOR TO SUBMIT SAMPLES OF ALL MATERIALS FOR VERIFICATION.
12. FOR ALL WALL PROTECTION TYPES, COLORS AND LOCATIONS, REFER TO WALL PROTECTION DRAWINGS. UNLESS NOTED OTHERWISE.
13. REFER TO FINISH PLAN FOR SPECIFIC FINISH MATERIALS AND LOCATIONS.
14. CARPET TILE AND LVT TO BUTT UP TO EACHOTHER WITH NO TRANSITION STRIP

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

MEP CONSULTANT: FELLENZER
CIVIL CONSULTANT: Focus Engineering & Land Surveying, P.C.
I.T./SECURITY CONSULTANT: Convergent Technologies
FF&E CONSULTANT: CLIENT CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY
FORENSIC CONSULTANT: crime lab design

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
ROOM FINISH SCHEDULE

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A800

FINISH LEGEND:

- DENOTES WALL FINISH
- DENOTES WALL BASE
- DENOTES FLOOR FINISH
- DENOTES CHANGE IN FLOORING MATERIAL
- MATERIAL OR PATTERN INSTALLATION DIRECTION
- X — WINDOW TREATMENT TAG
- MMMR — DENOTES - ROOM TO RECEIVE MOISTURE MOLD MILDEW RESISTANT GYPSUM WALL BOARD

FINISH NOTES

1. PT-1 TO BE USED ON ALL WALLS UNLESS OTHERWISE INDICATED.
2. IN FINISH TAGS WHERE MULTIPLE WALL/FLOOR FINISHES ARE SHOWN, ONE OR MORE FINISH MAY BE ANNOTATED ON THE PLAN. THE BALANCE OF THE SPACE IS TO RECEIVE THE REMAINING FINISH.
3. NOT ALL FINISHES ARE INDICATED ON PLANS. SEE MATERIAL SELECTIONS SCHEDULE FOR ADDITIONAL INFORMATION ON MATERIAL LOCATIONS.

SEE A-802 FOR DIMENSIONS

ALL EXPOSED SIDES OF BUILT IN CASEWORK TO RECIEVE WALLBASE WB-1, TYP THIS ROOM

ALL EXPOSED SIDES OF BUILT IN CASEWORK TO RECIEVE WALLBASE WB-1, TYP THIS ROOM

LVT-3 TO BE INSET IN LOCATIONS SHOWN AS HATCHED, TYP.

LVT-3 TO BE INSET IN LOCATIONS SHOWN AS HATCHED, TYP.

CALLED NORTH

1 / A801 FINISH PLAN
SCALE: 1/8" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
www.hymanhayes.com

M/EP CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fuss Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT: Environments TECHNOLOGIES
FF&E CONSULTANT: CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

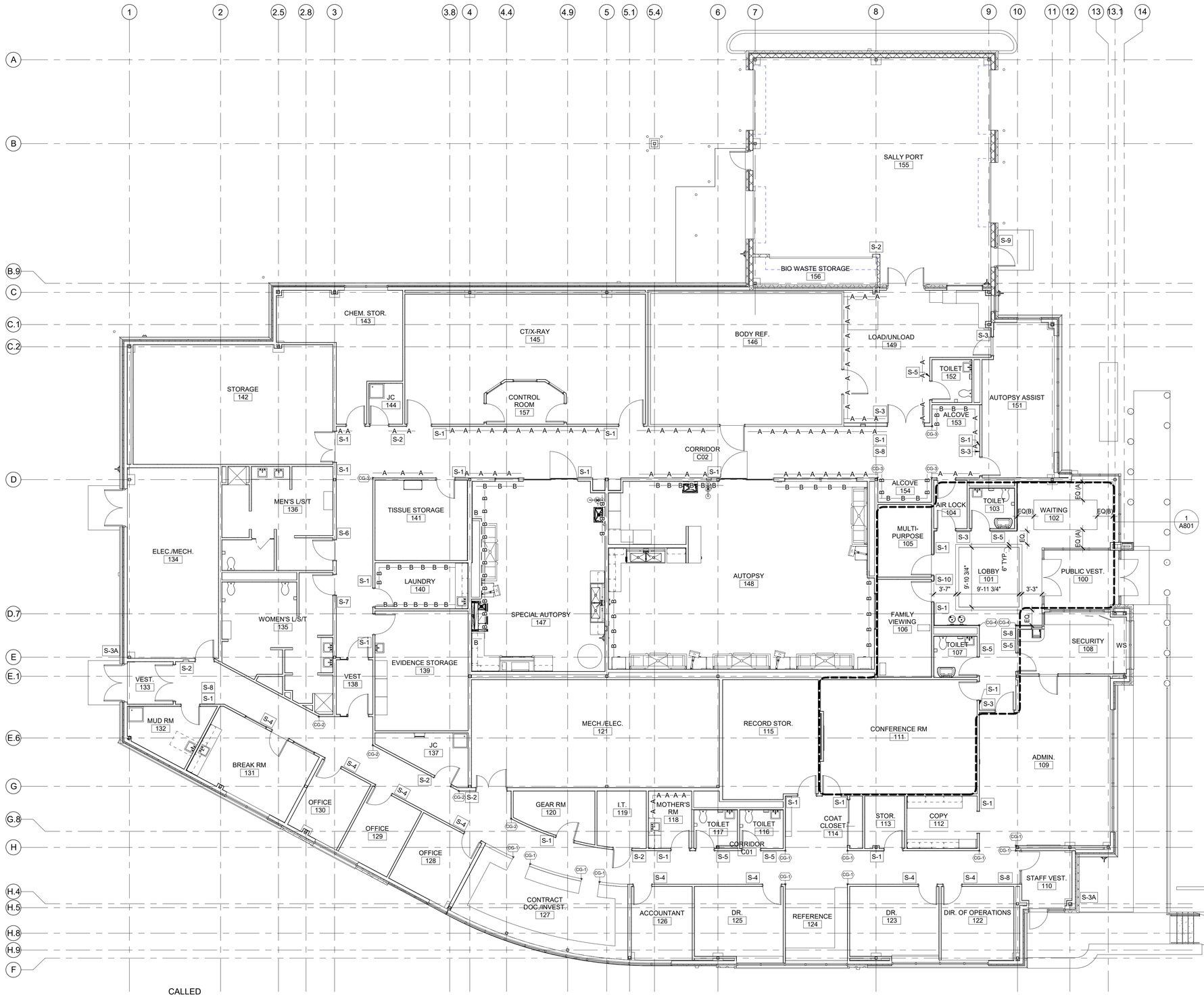
SHEET TITLE: FINISH PLAN

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

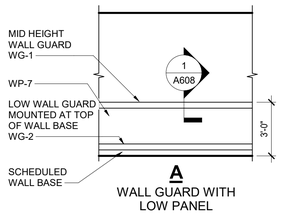
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET NUMBER
A801

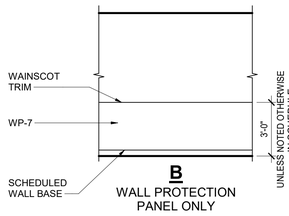
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1 A802 WALL PROTECTION PLAN
SCALE: 1/8" = 1'-0"



A
WALL GUARD WITH LOW PANEL



B
WALL PROTECTION PANEL ONLY

UNLESS NOTED OTHERWISE IN SCHEDULE

2 A802 WALL PROTECTION MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

WALL PROTECTION LEGEND

A A A — WALL GUARDS WITH WALL PROTECTION

B B B — WALL PROTECTION PANEL ONLY

SIGNAGE LEGEND

S-1	S-5	S-10
S-2	S-6	
S-3	S-7	
S-3A	S-8	
S-4	S-9	

NOTE: SEE SIGNAGE SCHEDULE ON A803

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REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 432-3470
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FORENSIC CONSULTANT	crime lab design
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LT. SECURITY CONSULTANT	Governments Technologies
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

ORANGE COUNTY, NEW YORK

SHEET TITLE:
WALL PROTECTION PLAN AND SIGNAGE PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
20 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A802

SIGNAGE SCHEDULE

ROOM NO.	ROOM NAME	SIGN NUMBER	SIGN TEXT	SIGN TYPE	NOTES
100	PUBLIC VEST.	-	-		
101	LOBBY	-	-		
102	WAITING	-	-		
103	TOILET	-	RESTROOM	S-3	WALL MOUNTED
104	AIR LOCK	-	-	-	
105	MULTI- PURPOSE	100	MEETING ROOM	S-1	WALL MOUNTED
106	FAMILY VIEWING	101	FAMILY VIEWING	S-1	WALL MOUNTED
107	TOILET	-	RESTROOM	S-3	WALL MOUNTED
108	SECURITY	102	SECURITY	S-1	WALL MOUNTED
109	ADMIN.	-	-	-	
110	STAFF VEST.	-	-	-	
111	CONFERENCE RM	103	CONFERENCE ROOM	S-1	WALL MOUNTED
112	COPY	104	COPY	S-1	WALL MOUNTED
113	STOR.	105	STORAGE	S-1	WALL MOUNTED
114	COAT CLOSET			-	
115	RECORD STOR.	106	RECORD STORAGE	S-1	WALL MOUNTED
116	TOILET		RESTROOM	S-5	WALL MOUNTED
117	TOILET		RESTROOM	S-5	WALL MOUNTED
118	MOTHER'S RM	107	COMFORT ROOM	S-1	WALL MOUNTED
119	I.T.	108	DATA	S-2	WALL MOUNTED
120	GEAR RM	109	INVESTIGATOR GEAR	S-1	WALL MOUNTED
121	MECH./ELEC.	110	MECHANICAL/ELECTRICAL	S-2	
122	DIR. OF OPERATIONS	111	OFFICE	S-4	WALL MOUNTED (TEXT INSERT TO SAY "DIRECTOR OF OPERATIONS")
123	DR.	112	OFFICE	S-4	WALL MOUNTED (TEXT INSERT TO SAY "MEDICAL EXAMINER")
124	REFERENCE	-	-	-	
125	DR.	113	OFFICE	S-4	WALL MOUNTED (TEXT INSERT TO SAY "DEPUTY MEDICAL EXAMINER")
126	ACCOUNTANT	114	OFFICE	S-4	WALL MOUNTED (TEXT INSERT TO SAY "PRINCIPAL ACCOUNT CLERK")
127	CONTRACT DOC./INVEST.	-	-	-	
128	OFFICE	115	OFFICE	S-4	WALL MOUNTED (TEXT INSERT TO SAY "CHIEF MEDICAL INVESTIGATOR")
129	OFFICE	116	OFFICE	S-4	WALL MOUNTED
130	OFFICE	117	OFFICE	S-4	WALL MOUNTED
131	BREAK RM	118	BREAK ROOM	S-1	WALL MOUNTED
132	MUD RM	119	MUD ROOM	S-1	WALL MOUNTED
133	VEST.	-	-	-	
134	ELEC./MECH.	120	MECHANICAL/ELECTRICAL	S-2	WALL MOUNTED
135	WOMEN'S L/S/T	121	WOMEN'S LOCKER ROOM	S-7	WALL MOUNTED
136	MEN'S L/S/T	122	MEN'S LOCKER ROOM	S-6	WALL MOUNTED
137	JC	123	JANITOR'S CLOSET	S-2	WALL MOUNTED
138	VEST	-	-	-	
139	EVIDENCE STORAGE	124	EVIDENCE STORAGE	S-1	WALL MOUNTED
140	LAUNDRY	125	LAUNDRY	S-1	WALL MOUNTED
141	TISSUE STORAGE	126	TISSUE STORAGE	S-1	WALL MOUNTED
142	STORAGE	127	STORAGE	S-1	WALL MOUNTED
143	CHEM. STOR.	128	CHEMICAL STORAGE	S-1	WALL MOUNTED
144	JC	129	JANITOR'S CLOSET	S-2	WALL MOUNTED
145	CT/X-RAY	130	RADIOLOGY	S-1	WALL MOUNTED
146	BODY REF.	-	-	-	
147	SPECIAL AUTOPSY	131	SPECIAL AUTOPSY	S-1	WALL MOUNTED
148	AUTOPSY	132	AUTOPSY	S-1	WALL MOUNTED
149	LOAD/UNLOAD	133	INTAKE	S-1	WALL MOUNTED
150	CONTROL ROOM	134	CONTROL ROOM	S-1	WALL MOUNTED
151	AUTOPSY ASSIST	135	AUTOPSY ASSISTANTS	S-1	WALL MOUNTED
152	TOILET	-	RESTROOM	S-3	WALL MOUNTED
153	ALCOVE	-	-	-	
154	ALCOVE	-	-	-	
155	SALLY PORT	-	-	-	
156	BIO WASTE STORAGE	136	BIO WASTE STORAGE	S-1	WALL MOUNTED
157	CONTROL ROOM	137	RADIOLOGY CONTROLS	S-1	WALL MOUNTED
175	ALCOVE	-	-	-	
C01	CORRIDOR	-	-	-	
C02	CORRIDOR	-	-	-	
S01	SITE SIGNAGE	-	MEDICAL EXAMINER DELIVERIES THIS WAY	S-12	GROUND MOUNTED
S02	SITE SIGNAGE	-	MEDICAL EXAMINER DELIVERIES THIS WAY	S-13	GROUND MOUNTED
S03	SITE SIGNAGE	-	MEDICAL EXAMINER FACILITY THIS WAY	S-14	GROUND MOUNTED
S04	SITE SIGNAGE	-	ELECTRIC CHARGING STATIONS	S-15	GROUND MOUNTED

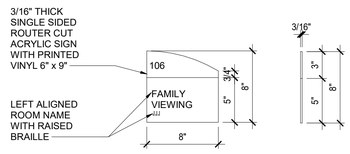
NOTE: SIGNAGE S-2, S-2A, S-9 AND S-10 ARE NOT LOCATED IN THE SIGNAGE SCHEDULE. SEE DRAWING A802 FOR QUANTITY AND LOCATIONS.

SIGNAGE NOTES:

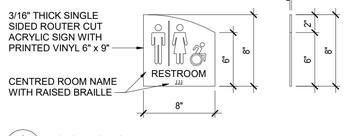
1. FONT SIZE VARIES DEPENDING ON TEXT. SUBMIT EACH SIGN WITH TEXT FOR APPROVAL.
2. COLORS TO BE SELECTED BY ARCHITECT.

LOGO AND DETAILS SHALL BE PROVIDED BY CLIENT OR ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. COLORS TO BE SELECTED BY ARCHITECT.

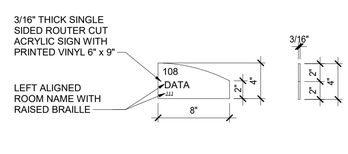
NOTE: LOGO IMAGE FOR REFERENCE ONLY. (NOT TO SCALE.)



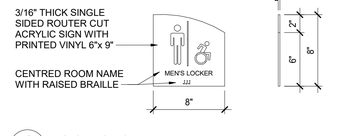
1 A803 SIGNAGE S-1
SCALE: 1 1/2" = 1'-0"



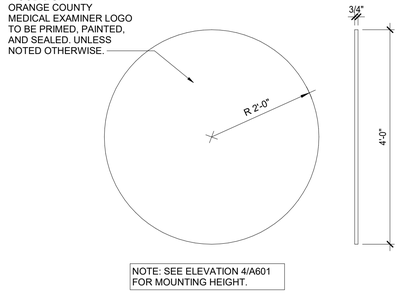
2 A803 SIGNAGE S-5
SCALE: 1 1/2" = 1'-0"



3 A803 SIGNAGE S-2
SCALE: 1 1/2" = 1'-0"

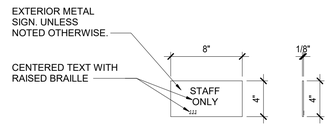


4 A803 SIGNAGE S-6
SCALE: 1 1/2" = 1'-0"

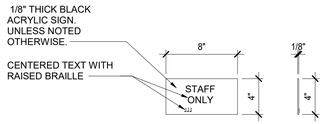


NOTE: SEE ELEVATION 4/A601 FOR MOUNTING HEIGHT.

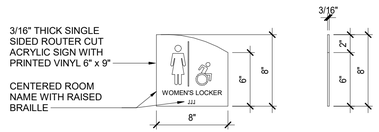
5 A803 SIGNAGE S-10
SCALE: 3/4" = 1'-0"



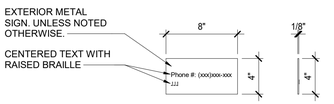
6 A803 SIGNAGE S-3A
SCALE: 1 1/2" = 1'-0"



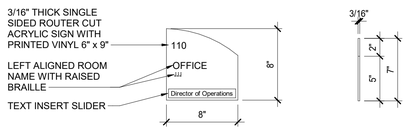
7 A803 SIGNAGE S-3
SCALE: 1 1/2" = 1'-0"



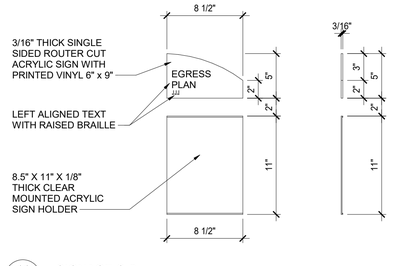
8 A803 SIGNAGE S-7
SCALE: 1 1/2" = 1'-0"



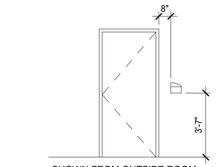
9 A803 SIGNAGE S-9
SCALE: 1 1/2" = 1'-0"



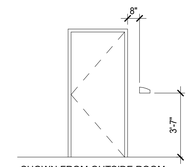
10 A803 SIGNAGE S-4
SCALE: 1 1/2" = 1'-0"



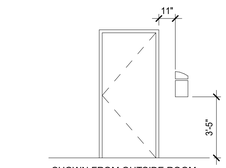
11 A803 SIGNAGE S-8
SCALE: 1 1/2" = 1'-0"



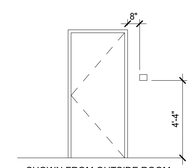
12 A803 TYP. S-1 MOUNTING
SCALE: 1/4" = 1'-0"



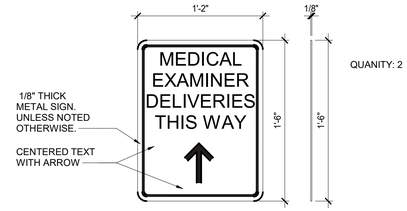
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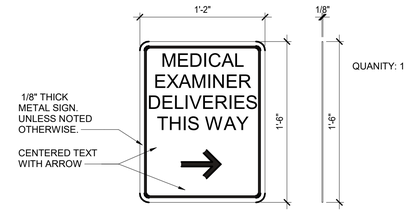
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SCALE: 1/4" = 1'-0"



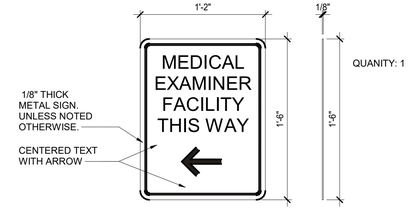
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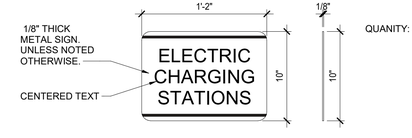
16 A803 SIGNAGE S-12
SCALE: 1 1/2" = 1'-0"



17 A803 SIGNAGE S-13
SCALE: 1 1/2" = 1'-0"



18 A803 SIGNAGE S-14
SCALE: 1 1/2" = 1'-0"



19 A803 SIGNAGE S-15
SCALE: 1 1/2" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

HYMAN HAYES ASSOCIATES
ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 482-3470
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLOSED CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergent Technologies
CIVIL CONSULTANT	Fagan Engineering & Land Surveying P.C.
M/E/P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

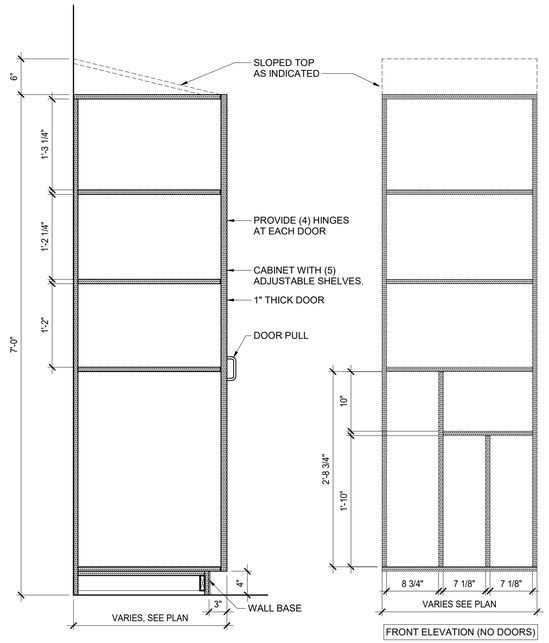
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
GOSHEN, NY 10924

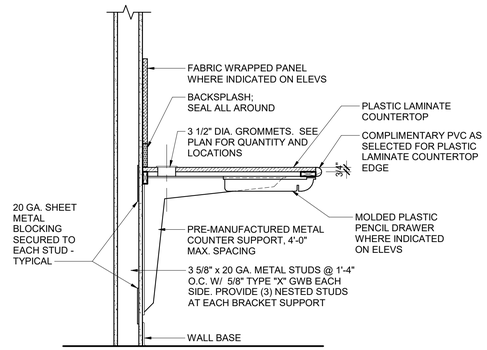
SHEET TITLE
SIGNAGE

DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

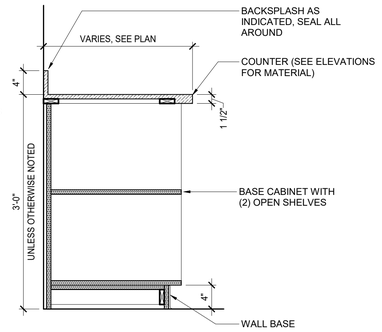
SHEET NUMBER
A803



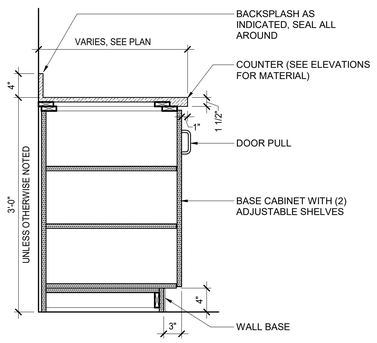
1 A900 MILLWORK SECTION - TALL CABINET
SCALE: 1" = 1'-0"



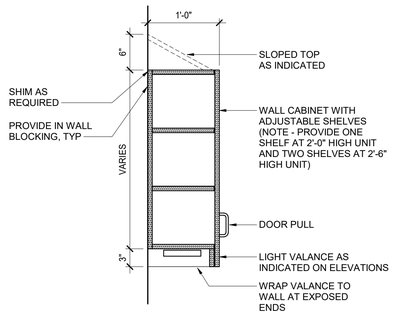
4 A900 MILLWORK SECTION - WORKSTATION
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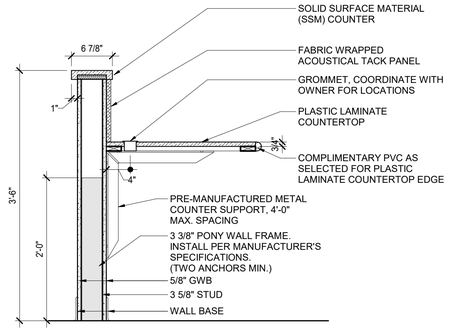
7 A900 MILLWORK SECTION - OPEN SHELVING
SCALE: 1" = 1'-0"



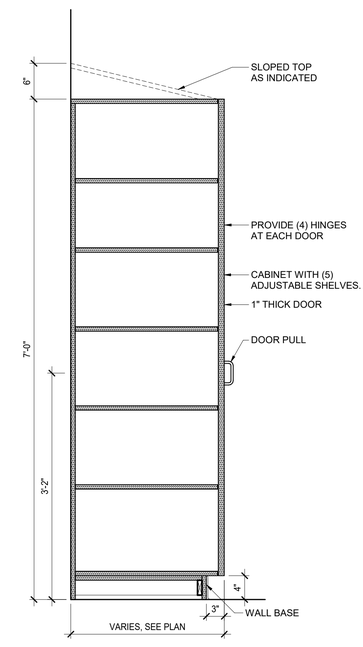
2 A900 MILLWORK SECTION - DOOR BASE CABINET
SCALE: 1" = 1'-0"



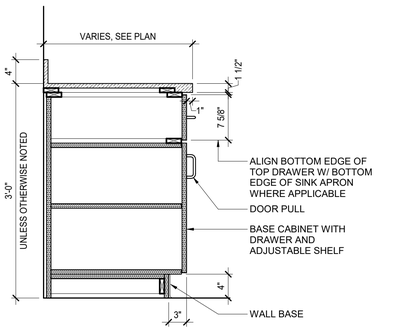
5 A900 MILLWORK SECTION - WALL CABINET
SCALE: 1" = 1'-0"



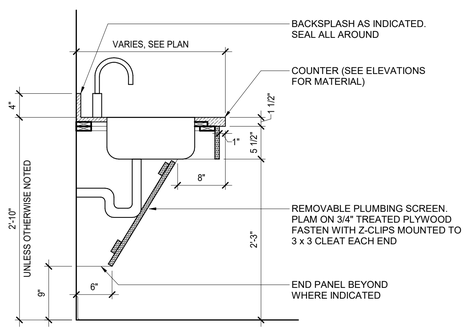
8 A900 MILLWORK SECTION
SCALE: 1" = 1'-0"



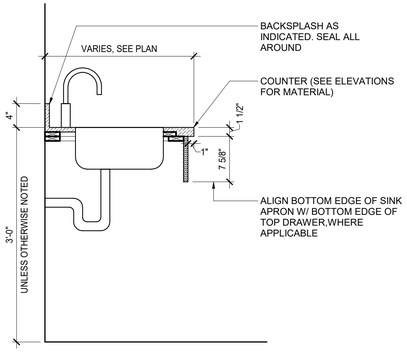
10 A900 MILLWORK SECTION - TALL CABINET
SCALE: 1" = 1'-0"



3 A900 MILLWORK SECTION - DOOR/DRAWER BASE CABINET
SCALE: 1" = 1'-0"



6 A900 MILLWORK SECTION - COUNTER W/ ADA SINK
SCALE: 1" = 1'-0"



9 A900 MILLWORK SECTION - COUNTER W/ SINK
SCALE: 1" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 482-3470
www.hymanhayes.com

FORENSIC CONSULTANT: crime lab design
M/EP CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fagan Engineering & Land Surveying P.C.
LT. SECURITY CONSULTANT: Environments TECHNOLOGIES
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

SHEET TITLE
MILLWORK SECTIONS AND DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1" = 1'-0"
DRAWN BY:	JMK
CHECKED BY:	MD
APPROVED:	MD
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
A900

FIRE PROTECTION SYSTEM NOTES:

1. THE INTENT OF THESE DRAWINGS IS TO PROVIDE A COMPLETE & OPERATIVE SPRINKLER SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AS REQUIRED. THIS CONTRACTOR SHALL MEET THE INTENT OF THE PLANS & SPECIFICATIONS AS WELL AS THE ACCOMPANYING DOCUMENTS. THIS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL MATERIAL & LABOR NOT SPECIFICALLY LISTED OR DIRECTED WHICH MAY BE REQUIRED TO MEET THE INTENT OF THE PLANS & SPECIFICATIONS FOR A COMPLETE AND OPERABLE SYSTEM.
2. IT IS THIS CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ALL CUTTING, PATCHING, BOXING, PRIME AND FINISH WORK REQUIRED TO COMPLETE THE INSTALLATION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
   A. WATER FLOW & PRESSURE TESTING OF AVAILABLE WATER SUPPLY SYSTEM.
   B. PIPE SIZING VIA THE HYDRAULIC PIPE SIZE METHOD PER NFPA–13.
   C. THE INSTALLATION OF ALL PIPING AND COORDINATION OF WORK WITH OTHER SUB–CONTRACTORS.
   D. INSPECTION & TESTING OF ALL PIPING & DEVICES, OBTAINING APPROVALS & PAYING OF ALL FEES AS REQUIRED FOR THE SYSTEM INSTALLATION & APPROVALS.
   E. ONE YEAR GUARANTEE ON MATERIAL & WORKMANSHIP. COMPLETE OPERATING INSTRUCTIONS INCLUDING MAINTENANCE & TESTING INSTRUCTIONS (POSTED IN SPRINKLER CONTROL AREA).
3. DO NOT PIERCE ANY STRUCTURAL MEMBER.
4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING WITH THE BUILDING STRUCTURE, AS WELL AS WITH OTHER TRADES DURING CONSTRUCTION. SEE PLANS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL OBTAIN APPROVAL & COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
5. THE SPRINKLER SYSTEM SUB–CONTRACTOR AND THE FIRE ALARM SYSTEM SUB–CONTRACTOR SHALL COORDINATE THE SYSTEM WITH THE FIRE DEPARTMENT AND OBTAIN ALL APPROVALS AND PAY ALL FEES.
6. SUPERVISORY SWITCHES AND FLOW SWITCHES TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONNECTIONS TO BUILDING FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR.
7. SPRINKLER CONTRACTOR SHALL PROVIDE ENGINEER WITH SIGNED & SEALED HYDRAULIC CALCULATIONS AND PIPE LAYOUT FOR REVIEW AND APPROVAL.
8. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH RATED WALLS AND CEILINGS WITH INTUMESCEANT TYPE FIRE SEALANT CAULK. PROVIDE ESCUTCHEONS AT ALL PENETRATIONS IN FINISHED AREAS.
9. IN GENERAL, SPRINKLERS SHALL BE ARRANGED FOR A MAXIMUM COVERAGE AS SHOWN ON PLANS WHILE AVOIDING LIGHTS, DIFFUSERS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS PIPING AND SPRINKLERS FOR PROPER COVERAGE IN EACH AREA. ADD SPRINKLERS AS REQUIRED FOR PROPER COVERAGE AS DICTATED BY ACTUAL FIELD CONDITIONS.
10. ALL FIRE PROTECTION SYSTEMS PROVIDED SHALL BE U.L. LISTED AND F.M. APPROVED AS APPLICABLE.
11. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
12. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
13. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.

PIPING SYMBOLS

- ANCHOR
- PIPE GUIDE
- REDUCER OR INCREASER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- POINT OF DISCONNECT
- INDICATES SECTION LETTER
- INDICATES DRAWING NUMBER WHERE LOCATED
- FIRE HOSE SIAMESE CONNECTION
- FIRE PUMP MOTOR
- PENDANT SPRINKLER HEAD
- SIDE WALL SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD

ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISHED FLOOR
DIA	DIAMETER
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ETR	EXISTING TO REMAIN
EXIST.	EXISTING
FD	FLOOR DRAIN
FLR.	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
MAX.	MAXIMUM
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
N	NEW
NOM.	NOMINAL
PC	PLUMBING CONTRACTOR
RR	REMOVE & RELOCATE
U.N.O.	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD

FIRE PROTECTION LINE TYPES

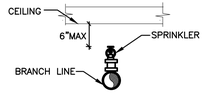
NEW SPRINKLER PIPE

SPRINKLER LEGEND

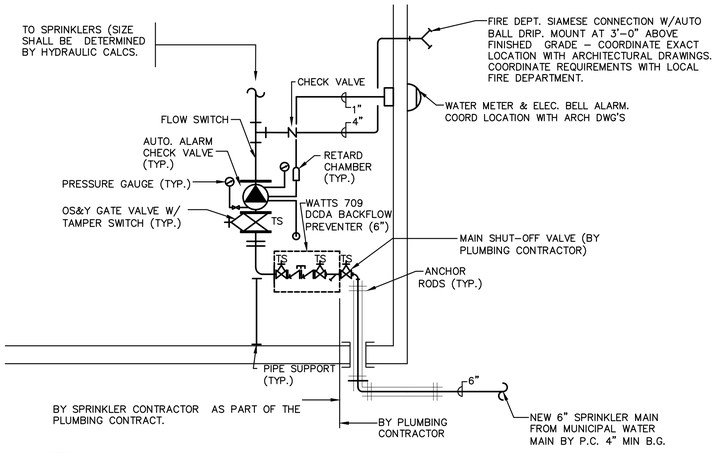
NEW SPRINKLER

LEGEND AND SCHEDULE OF SPRINKLER EQUIPMENT

SYMBOL	MFTR.	CATALOG #	DESCRIPTION
●	VIKING	VK–404	"HORIZON MIRAGE" QUICK RESPONSE CONCEALED PENDANT SPRINKLER ORDINARY TEMPERATURE CLASSIFICATION, 175PSI MAX. WORKING PRESSURE, BRASS BODY, ½" NPT THREAD SIZE, K=5.6, WHITE FINISH, FUSIBLE LINK.
⊙	VIKING	VK–301	UPRIGHT SPRINKLER, QUICK RESPONSE, FUSIBLE ELEMENT, BRASS BODY, ½" NPT THREAD SIZE, K=5.6, ORDINARY TEMPERATURE CLASSIFICATION.
●D	VIKING	VK–176	QUICK RESPONSE DRY PENDANT SPRINKLERS, 175 PSI MAX. WORKING PRESSURE, BRASS BODY, 1" NPT THREAD SIZE, K=5.6, WHITE FINISH, ORDINARY TEMPERATURE CLASSIFICATION, FUSIBLE LINK. FIRE PROTECTION CONTRACTOR TO DETERMINE THE DISTANCE FROM THE FACE OF THE TEE TO THE FINISH CEILING WITH HYDRAULIC CALCULATIONS.

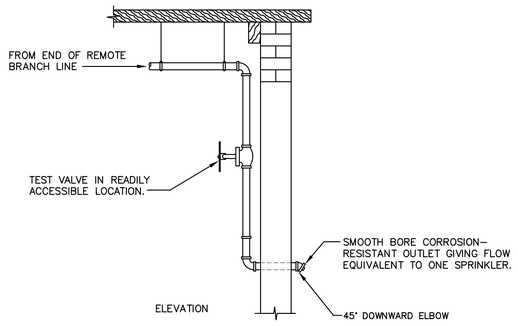


1 UPRIGHT SPRINKLER DETAIL
N.T.S.



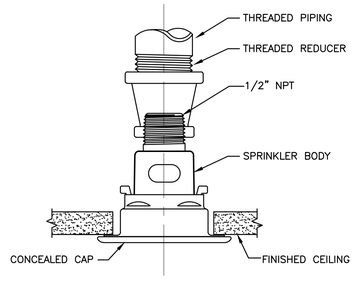
NOTES:
1. ALL BACKFLOW PREVENTERS (709, 909 ETC) SHALL MEET THE REQUIREMENTS OF, AND BE APPROVED BY DEPARTMENT OF PUBLIC WORKS
2. PIPE BACKFLOW PREVENTER BLOW – OFF TO NEAREST FLOOR DRAIN. PROVIDE INDIRECT DRAIN CONNECTION.

2 WET SPRINKLER ENTRANCE -TYPICAL
N.T.S.



NOTES:
1. NOT LESS THAN 4 FT (1.2M) OF EXPOSED TEST PIPE IN WARM ROOM BEYOND VALVE WHERE PIPE EXTENDS THROUGH WALL TO OUTSIDE.
2. COORDINATE LOCATION WITH OWNER.

3 INSPECTOR'S TEST CONNECTION DETAIL
N.T.S.



NOTE:
1. UPON SPRINKLER ACTIVATION, THE DEFLECTOR SHALL DESCEND TO APPROXIMATELY 13/16" BELOW THE SPRINKLER BODY.

4 CONCEALED PENDANT SPRINKLER DETAIL
N.T.S.

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NY PROFESSIONAL ENGINEER
No. 076417

ARCHITECT/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 456-3410
www.hymanhayes.com

COST CONSULTANT: STUART-LYNN COMPANY
FP&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FE PROJECT #: 20–XXX
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

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SHEET TITLE
FIRE PROTECTION SYMBOLS, NOTES AND ABBREVIATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
FP001



1 **FIRE PROTECTION SPRINKLER FLOOR PLAN**
SCALE: 1/8"–1'–0"

CALLED NORTH

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NEW YORK STATE LICENSED PROFESSIONAL ENGINEER
NY PROFESSIONAL ENGINEER
FOR THIS PROJECT

ARCHITECT/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
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Latham, NY 12110
(518) 456-3410
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M&P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

FE PROJECT #: 20-335

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ORANGE COUNTY, NEW YORK

SHEET TITLE
FIRE PROTECTION SPRINKLER FLOOR PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
FP100

GENERAL NOTES:

1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL HVAC WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
3. ACCESS PANELS SHALL BE PROVIDED IN CEILINGS, WALLS, FLOORS, ETC., AS REQUIRED TO MAINTAIN ACCESSIBILITY TO VALVES, DAMPERS, TRAPS, COILS, ETC.
4. PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS, FIRE DAMPERS, AND SMOKE DAMPERS.
5. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
6. ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
7. LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
8. ALL BRANCHES AND TAKE–OFFS SHALL BE EQUIPPED WITH VOLUME CONTROL DAMPERS. DAMPERS TO BE OPPOSED BLADE TYPE, 4" MAX. BLADE HEIGHT. VOLUME DAMPERS TO BE LOCATED AS NEAR TO THE POINT OF TAKE–OFF AS PRACTICAL.
9. FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID–POINT.
10. ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
11. PROVIDE SHUT–OFF VALVES AT ALL PIPING BRANCH TAKE–OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
12. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
13. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
14. ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
15. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THE HVAC CONTRACTOR.
16. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
17. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
18. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
19. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

HVAC LINE TYPES

–/–/–/– or – – – – – –	EXISTING EQUIPMENT/DUCT TO BE REMOVED
	EXISTING EQUIPMENT/DUCT TO REMAIN
	NEW EQUIPMENT / DUCT
GLYS	GLYCOL SUPPLY PIPE
GLYR	GLYCOL RETURN PIPE
GLYRR	GLYCOL REVERSE RETURN PIPE
HWR	LOW TEMPERATURE HOT WATER RETURN
HWS	LOW TEMPERATURE HOT WATER SUPPLY
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
HPWS	HEAT PUMP SUPPLY PIPE
HPWR	HEAT PUMP RETURN PIPE

DUCTWORK SYMBOLS

- DUCTWORK DOUBLE LINE REPRESENTATION: "A" INDICATES DUCT WIDTH; "B" INDICATES DUCT DEPTH.
- DUCTWORK SINGLE LINE REPRESENTATION: "A" INDICATES DUCT WIDTH; "B" INDICATES DUCT DEPTH.
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- EXHAUST AIR DUCT UP
- EXHAUST AIR DUCT DOWN
- FLEXIBLE DUCTWORK
- SUPPLY AIR FLOW
- RETURN/EXHAUST AIR FLOW
- VOLUME DAMPER
- MOTORIZED DAMPER w/ ACCESS DOOR
- FIRE DAMPER W/ ACCESS DOOR
- SUPPLY AIR TERMINAL
- RETURN/EXHAUST AIR TERMINAL
- EXHAUST AIR TERMINAL

PIPING SYMBOLS

- DIRECTION OF FLOW
- ANCHOR
- PIPE GUIDE
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- PIPE DOWN TURN
- PIPE RISE
- UNION
- DIRECTION OF PIPE PITCH (DOWN)

VALVE SYMBOLS

- GATE VALVE – THREADED/FLANGED
- GATE VALVE WITH 3/4" HOSE ADAPTER
- GLOBE VALVE – THREADED/FLANGED
- CHECK VALVE
- STRAINER
- WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
- STRAINER WITH VALVED DRAIN AND QUICK–COUPLE HOSE CONNECTOR
- FLEXIBLE CONNECTION
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- CONTROL VALVE (CV) – FLOAT–OPERATED
- MODULATING CONTROL VALVE
- MODULATING CONTROL BUTTERFLY VALVE
- TWO POSITION CONTROL VALVE
- THREE–WAY MODULATING CONTROL VALVE
- THREE–WAY TWO POSITION CONTROL VALVE
- PRESSURE REGULATING VALVE
- PRESSURE REDUCING VALVE (PRV)
- TEMPERATURE & PRESSURE RELIEF VALVE
- SAFETY OR PRESSURE RELIEF VALVE
- AUTOMATIC BALANCING CONTROL VALVE
- CIRCUIT SETTER VALVE
- TRIPLE DUTY VALVE
- COMBINATION BALANCING AND SHUT–OFF VALVE
- MANUAL AIR VENT

ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACT	ACOUSTIC CEILING TILE
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AF	AFTER FILTER
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW MEASURING DEVICE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
BDD	BACK DRAFT DAMPER
BG	BOTTOM GRILLE (WALL TYPE)
BR	BOTTOM REGISTER (WALL TYPE)
BTUH	BRITISH THERMAL UNITS/HOUR
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CLG	CEILING
CO	CLEAN OUT
CR	CEILING REGISTER
CW	COLD WATER
D	DRAIN
Db	DRY BULB TEMPERATURE, °F
dB	DECIBELS
DN	DOWN
DP	DIFFERENTIAL PRESSURE
Dp	DEW POINT TEMPERATURE, °F
DS	DUCT SMOKE DETECTOR
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMP
E.C.	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ERC	ELECTRIC REHEAT COIL
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXIST	EXISTING
F.A.I.	FRESH AIR INTAKE
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLR	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
F/SD	COMBINATION FIRE/SMOKE DAMPER
G.C.	GENERAL CONTRACTOR
GH	GRAVITY HOOD
GPM	GALLONS PER MINUTE
H.C.	HVAC CONTRACTOR
HF	HEPA FILTER
HP	HORSEPOWER
HRP	HYDRONIC RADIANT CEILING PANEL
HV	HEATING AND VENTILATING UNIT
IV	INLET VANES
LCD	LINEAR CEILING DIFFUSER
LFD	LAMINAR FLOW DIFFUSER
LF	LINEAR FEET
MA	MIXED AIR
MB	MIXING BOX
M.C.	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MER	MECHANICAL EQUIPMENT ROOM
MAX.	MAXIMUM
MBH	ONE THOUSAND BTUH
MIN.	MINIMUM
NOM.	NOMINAL
OA	OUTSIDE AIR
P	PUMP
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP (FEET OF WATER)
PF	PRE–FILTER
PGW	PROPYLENE GLYCOL–WATER SOLUTION
PH	PREHEAT
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE IN.
RA	RETURN AIR
RF	RETURN FAN
RHC	REHEAT COIL
Rh	RELATIVE HUMIDITY
RPZ	REDUCED PRESSURE ZONE
SA	SUPPLY AIR
SD	SMOKE DAMPER
Sp. Gr.	SPECIFIC GRAVITY
SH	STEAM HUMIDIFIER
SP	STATIC PRESSURE
SPD	SPLITTER DAMPER
SPS	STATIC PRESSURE SENSOR
S.S.	STAINLESS STEEL
TG	TOP GRILLE (WALL TYPE)
TR	TOP REGISTER (WALL TYPE)
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VALVE
VD	VOLUME DAMPER
VE	VOLUME EXTRACTOR
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD
Wb	WET BULB TEMPERATURE, °F
WFM	WATER FLOW MEASURING DEVICE
WMS	WIRE MESH SCREEN

GENERAL SYMBOLS

- DOOR UNDERCUT
- INDICATES SECTION LETTER
- INDICATES DRAWING NUMBER WHERE LOCATED
- INDICATES TYPE OF AIR OUTLET
- INDICATES AIR FLOW REQUIREMENTS
- ADJUSTABLE ANGLE THERMOMETER
- DIAL THERMOMETER
- PRESSURE GAUGE WITH NEEDLE VALVE
- WALL MOUNT THERMOSTAT
- PUMP
- DUCT SMOKE DETECTOR, SUPPLIED AND WIRED BY E.C. INSTALLED BY M.C.

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

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CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

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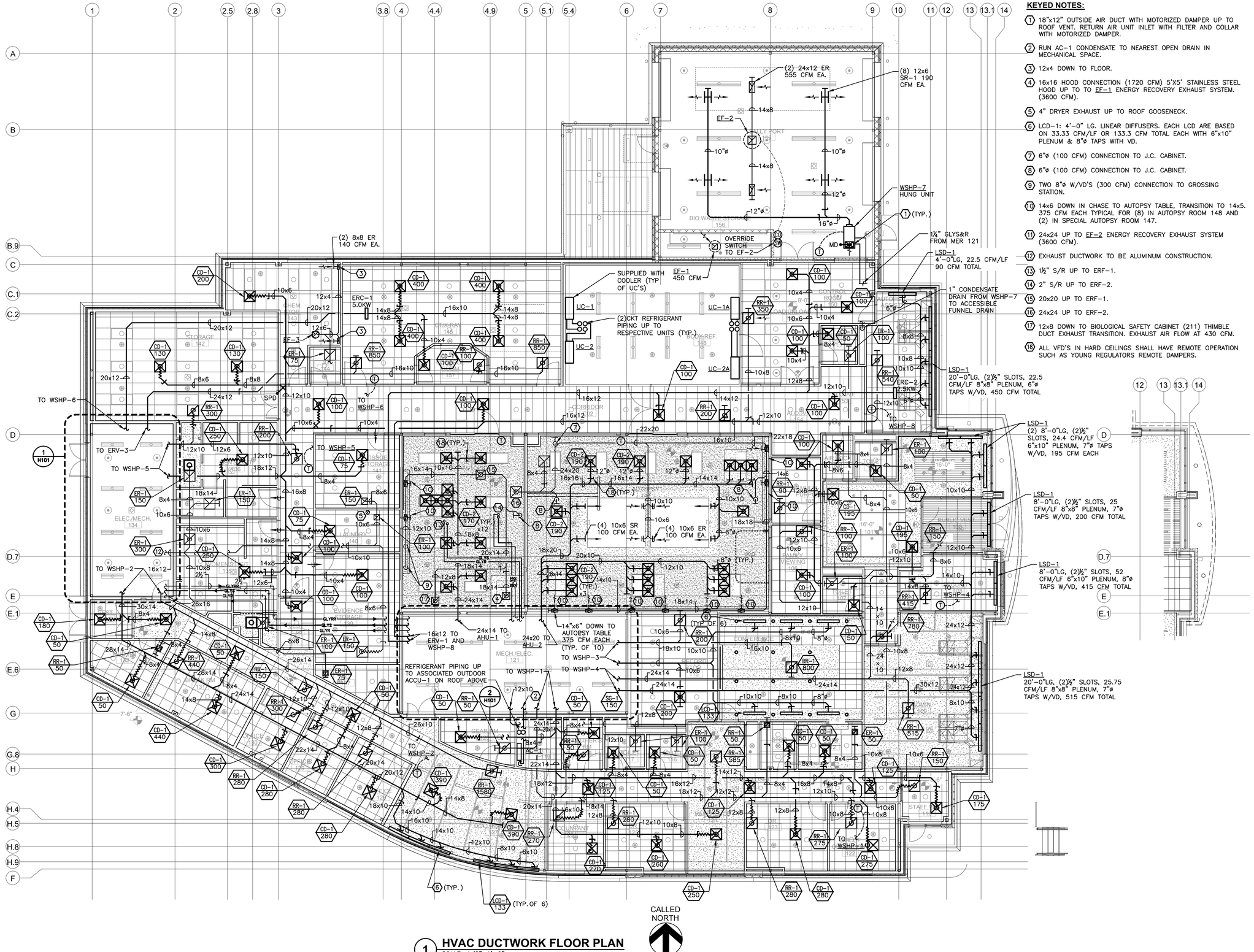
SHEET TITLE
HVAC SYMBOLS, NOTES AND ABBREVIATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
CORNWALL, NY 12504

DATE:	11/18/2022
SCALE:	AS SHOWN
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CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

H001



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I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

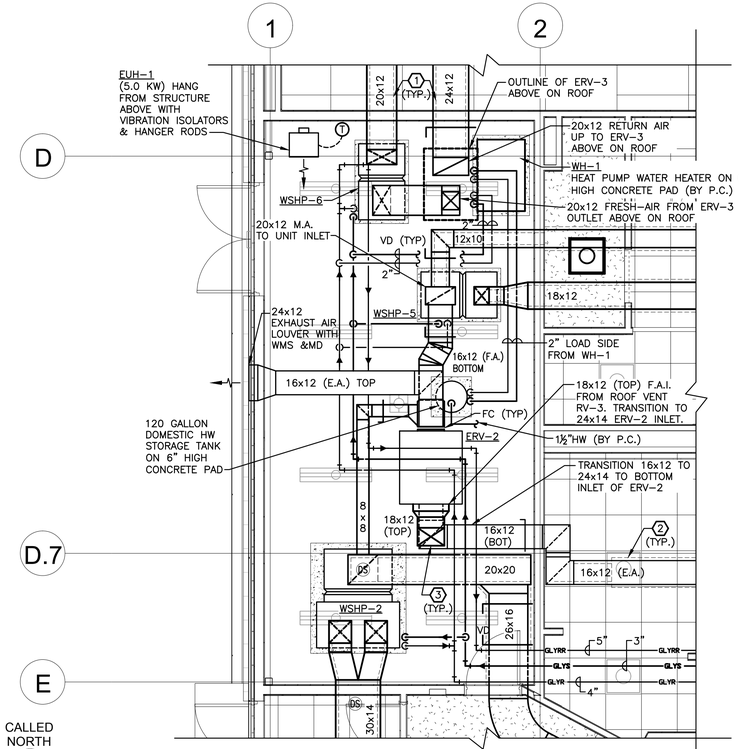
SHEET TITLE
HVAC DUCTWORK FLOOR PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022	DRAWN BY:	ZR	CHECKED BY:	DSS	APPROVED:	MDF	CLIENT APPROVAL		HYA PROJ. NO.:	20071	CLIENT PROJ. NO.:	
SCALE:	AS SHOWN												

SHEET NUMBER
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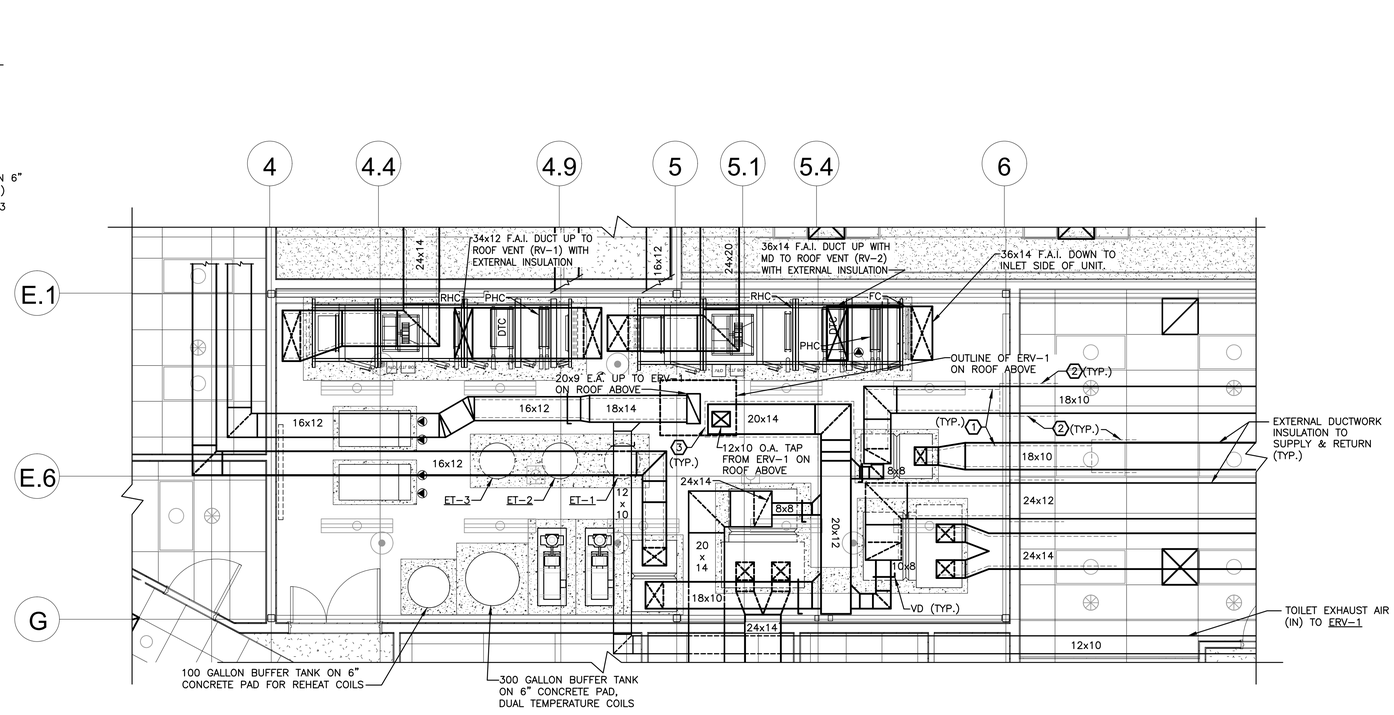
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CALLED NORTH

1 HVAC DUCTWORK FLOOR PLAN @ ELEC./MECH. RM. 134

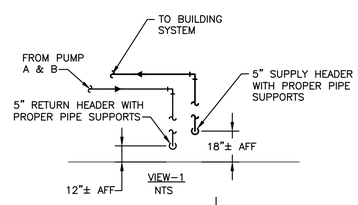
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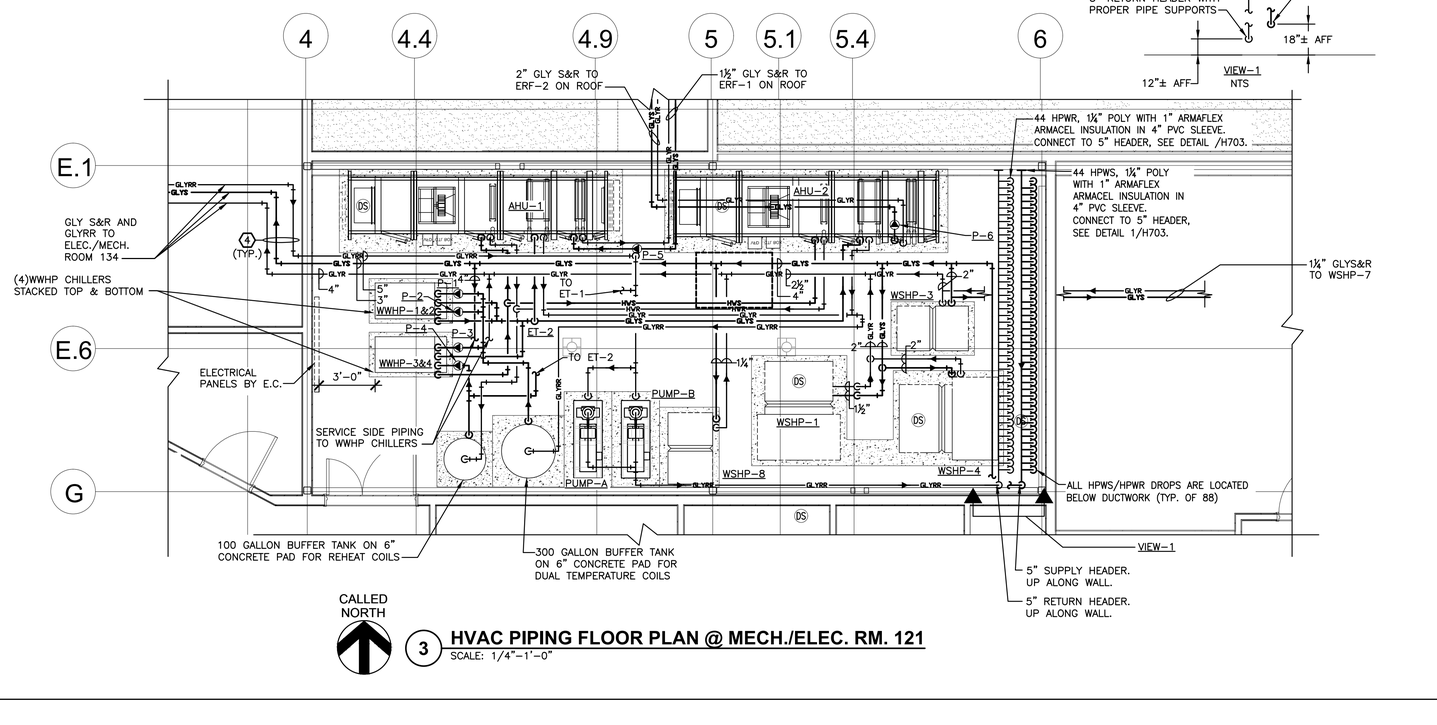
2 HVAC DUCTWORK FLOOR PLAN @ MECH./ELEC. RM. 121

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



KEYED NOTES:

1. ALL SUPPLY & RETURN DUCTWORK SHALL BE ACOUSTICALLY INSULATED (APPROXIMATELY 10') INTERNAL LINING SHALL BE 1" THICK WITH ANTIMICROBIAL COATING.
2. ALL SUPPLY & RETURN DUCTWORK TO BE EXTERNALLY INSULATED. REFER TO COMMERCIAL DUCT INSULATION SCHEDULE.
3. ALL OUTSIDE AIR DUCTWORK TO BE EXTERNALLY INSULATED. REFER TO COMMERCIAL DUCT INSULATION SCHEDULE.
4. ALL PIPING TO BE INSULATED AS PER PIPE INSULATION SCHEDULE.



CALLED NORTH

3 HVAC PIPING FLOOR PLAN @ MECH./ELEC. RM. 121

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

REVISION SCHEDULE		
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FP&E CONSULTANT: CLASSIC CONSULTANT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FE PROJECT #: 20-335
FORENSIC CONSULTANT: crime lab design

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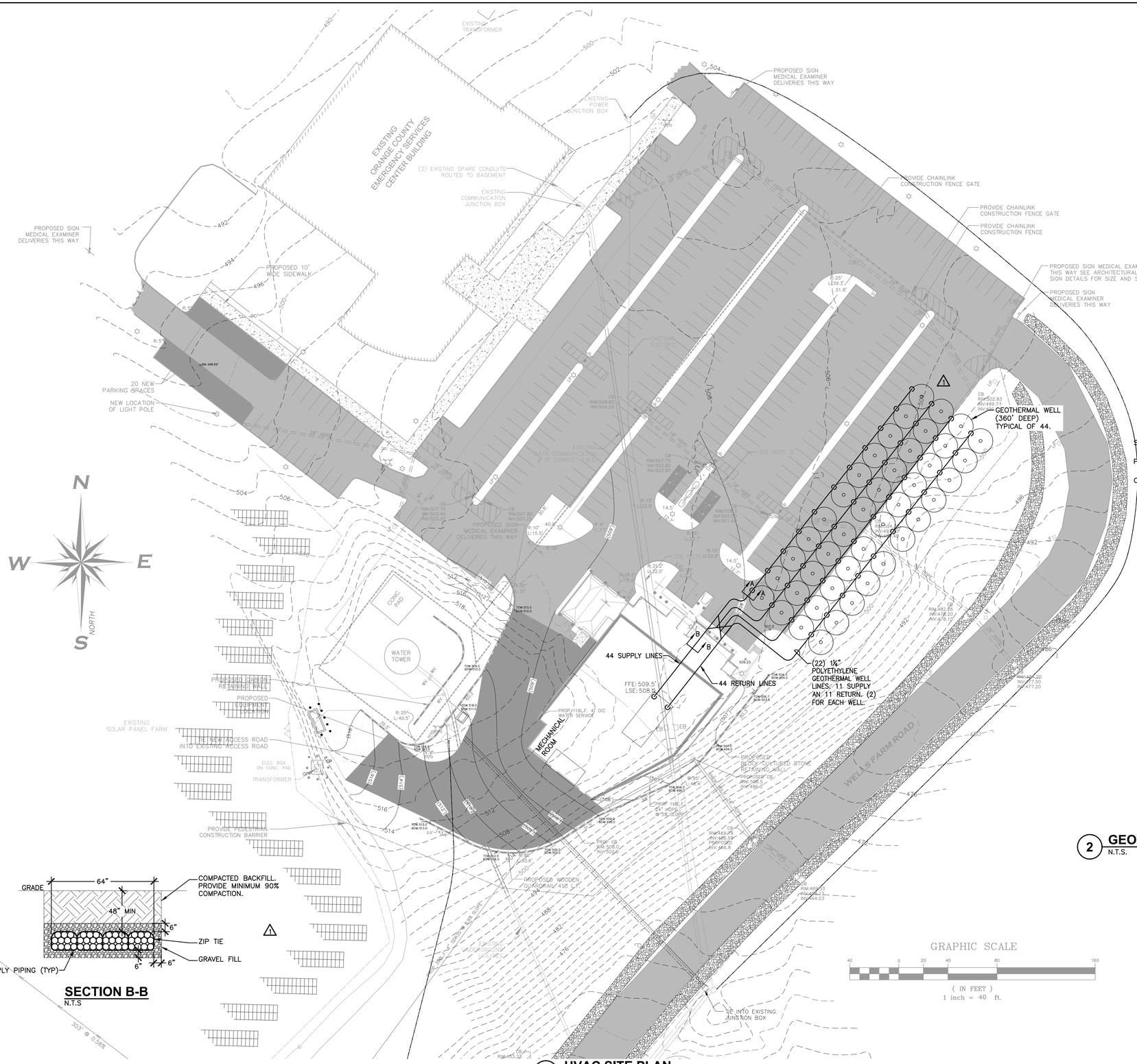
ORANGE COUNTY, NEW YORK

SHEET TITLE
HVAC DUCTWORK FLOOR PLAN @ ROOMS 134 & 121

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

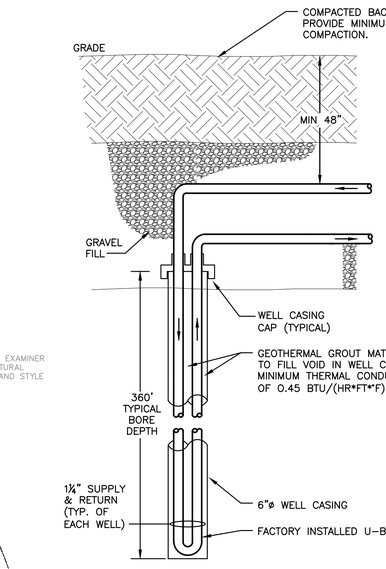
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HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
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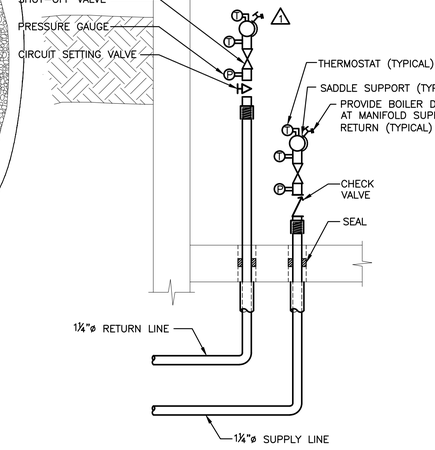


1 HVAC SITE PLAN
SCALE: 1"=40'

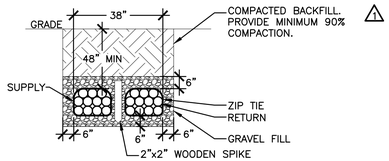
SECTION B-B
N.T.S



2 GEOTHERMAL LOOP PIPING PENETRATION DETAIL
N.T.S.



NOTE:
1. CONTRACTOR SHALL PROVIDE 90° POLY ELBOWS & TEES AS NECESSARY.



SECTION A-A
N.T.S

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	GEOTHERMAL DETAIL	7/11/22

SEAL
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M&P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

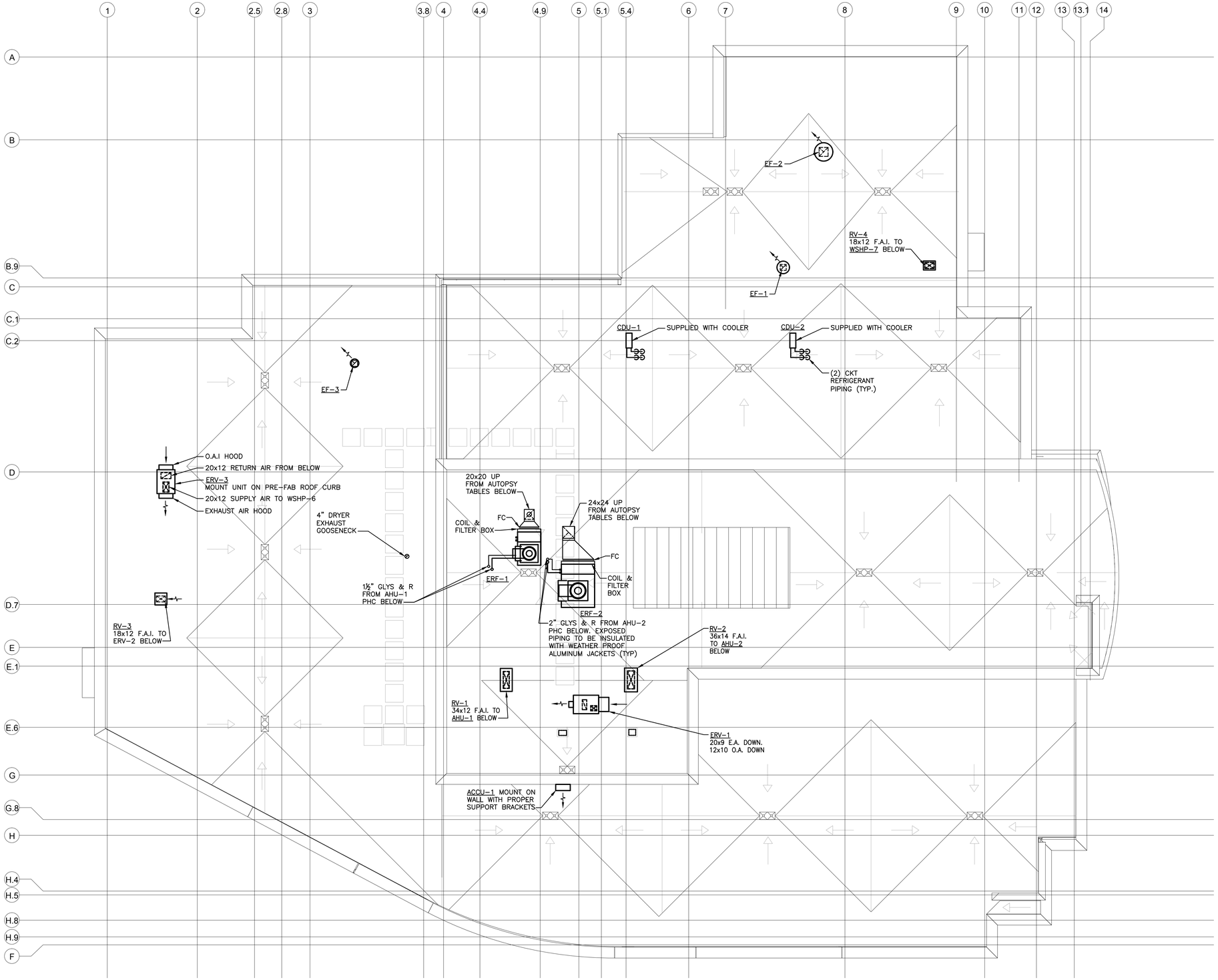
SHEET TITLE
HVAC SITE PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
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1 **HVAC DUCTWORK ROOF PLAN**
SCALE: 1/8"=1'-0"

CALLED NORTH

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FINAL STAMP

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FORENSIC CONSULTANT: crime lab design
M&P CONSULTANT: FELLENZER
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT: CONVERGENT
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

PE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

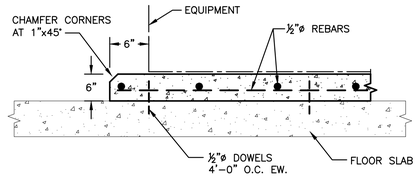
SHEET TITLE
HVAC DUCTWORK ROOF PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

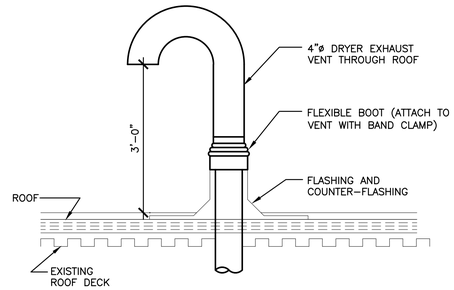
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H200

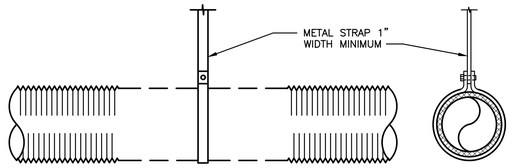
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1 CONCRETE PAD DETAIL
N.T.S.



2 DRYER EXHAUST VENT ROOF TERMINATION DETAIL
N.T.S.



NOTES:

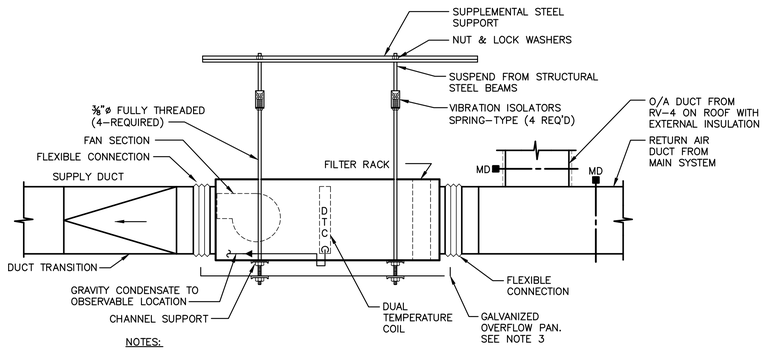
1. DUCT SHOULD EXTEND STRAIGHT FOR A MINIMUM OF 3 DUCT DIAMETERS BEFORE BENDING.
2. SUPPORT SYSTEM MUST NOT BEND DUCT OR CAUSE OUT OF ROUND SHAPE.
3. MAXIMUM SAG 1/2" PER FOOT OR SUPPORT SPACING.
4. 5'–0" MAXIMUM FLEX DUCT LENGTH.

3 FLEX DUCT SUPPORT
N.T.S.

COMMERCIAL DUCT INSULATION SCHEDULE

	FACING	R VALUE INSIDE BUILDING ENVELOPE	R VALUE OUTSIDE BUILDING ENVELOPE
SUPPLY AIR	FSK*	R–6	R–12
RETURN AIR	FSK*	R–6	R–12

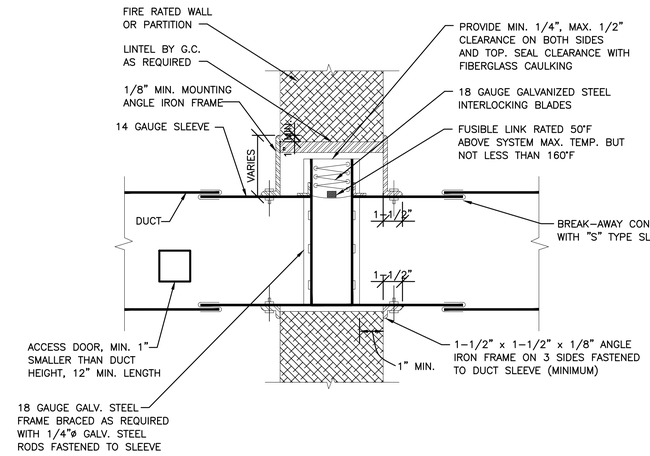
* – FOIL–SCRIM KRAFT



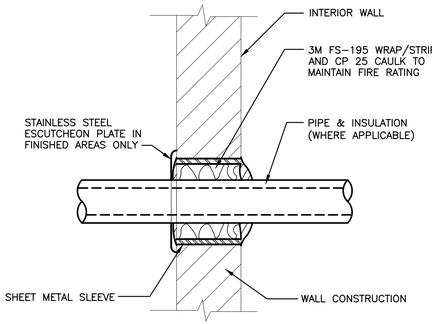
NOTES:

1. TYPICAL FOR INDOOR HORIZONTAL AIR HANDLER.
2. ALL ANCHORS, CLAMPS, BOLTS, CHANNELS, ETC., SHALL BE RATED TO SUPPORT THE OPERATING WEIGHT OF THE SUSPENDED EQUIPMENT.
3. PROVIDE FLOAT SWITCH LEAK DETECTOR CABLE IN OVERFLOW PAN WITH UNIT SHUT DOWN CAPABILITY.

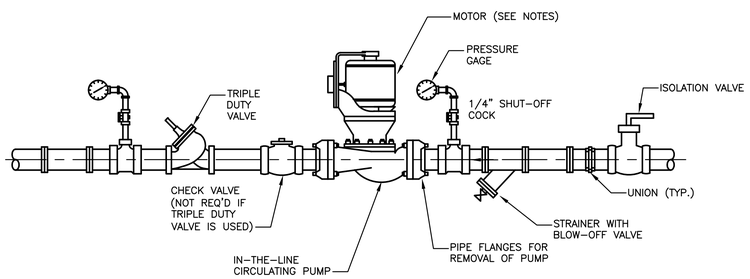
4 HORIZONTAL AIR HANDLING UNIT HANGING DETAIL - WSHP-7
N.T.S.



5 SHUTTER TYPE FIRE DAMPER FOR FOR LOW PRESSURE SYSTEMS DETAIL
N.T.S.



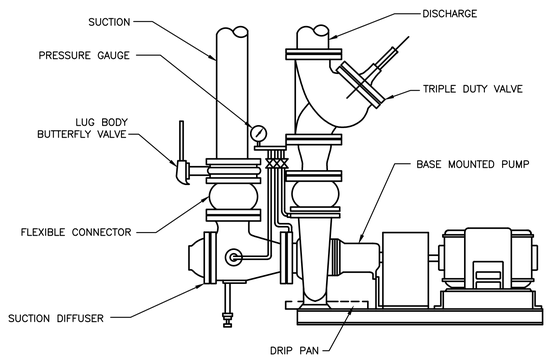
6 RATED WALL PENETRATION DETAIL
N.T.S.



NOTES

1. SHUT–OFF COCK GAGE TO BE LEFT SHUT OFF EXCEPT WHEN ACTUALLY CHECKING SYSTEM PRESSURE.
2. PROVIDE REDUCER/INCREASER AT PUMP AS REQUIRED.
3. MOTOR TO BE IN THE HORIZONTAL POSITION WITH THE APPROPRIATE BEARINGS.

7 PUMP DETAIL IN-LINE CIRCULATOR
N.T.S.



8 TYPICAL END SUCTION PUMP DETAIL
N.T.S.

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REVISION SCHEDULE

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FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20–XXX

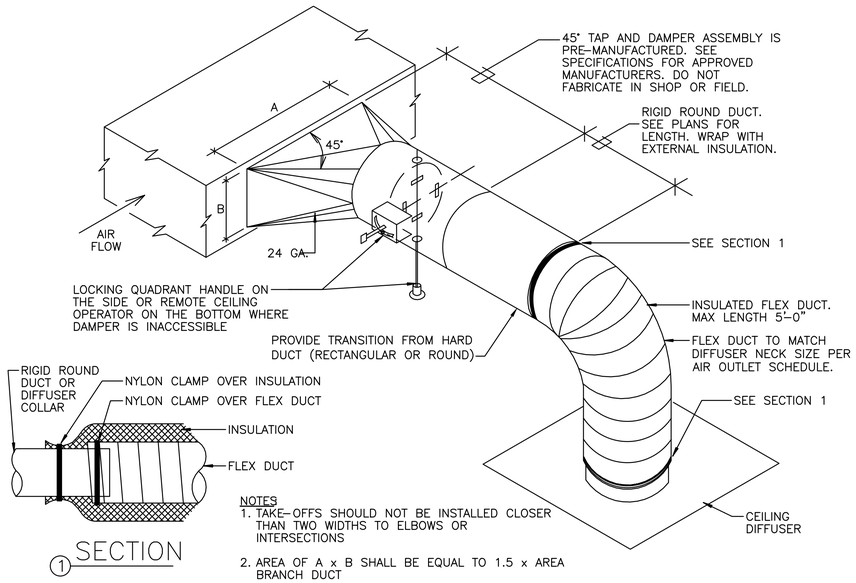
ORANGE COUNTY, NEW YORK

SHEET TITLE
HVAC DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

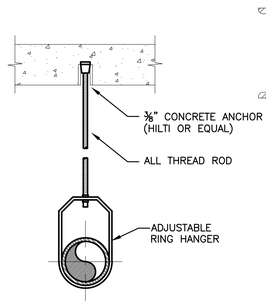
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APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
H700

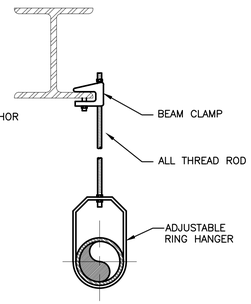


NOTES
1. TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS
2. AREA OF A x B SHALL BE EQUAL TO 1.5 x AREA BRANCH DUCT

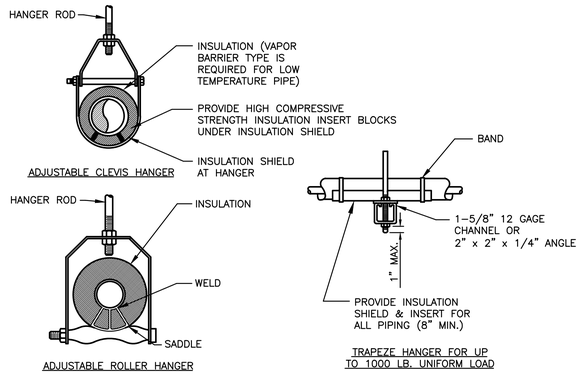
1 SQUARE TO ROUND TAKE-OFF DETAIL
N.T.S.



HANGER DETAIL - CONCRETE DECK
N.T.S.



BEAM CLAMP HANGER DETAIL
N.T.S.

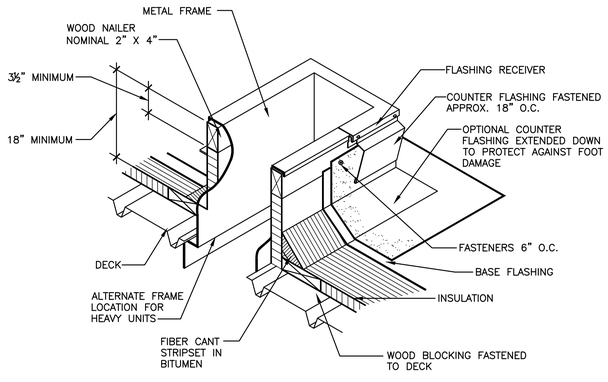


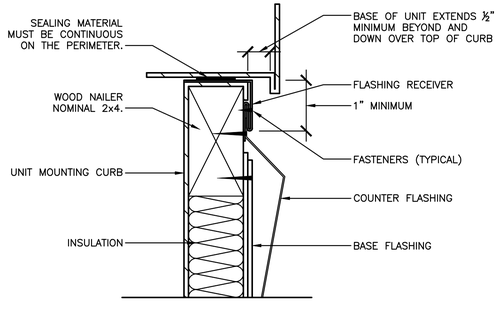
INDIVIDUAL PIPE HANGER ROD & SPACING SCHEDULE

NOMINAL PIPE DIAMETER (IN.)	3/4	1	1 1/2	2	2 1/2	3	4	5	6	–
HANGER ROD SIZE (IN.)	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8	7/8	–
MAXIMUM SUPPORT SPACING (FT.)										
STEEL PIPE	6	7	9	10	11	12	14	16	17	–
COPPER TUBE	6	6	8	9	10	10	12	14	14	–

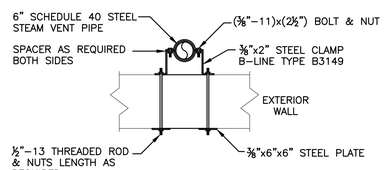
NOTE: TRAPEZE HANGER SPACING SHALL BE BASED ON SPACING OF SMALLEST PIPE ON TRAPEZE. TRAPEZE SHALL BE DESIGNED WITH A FACTOR OF SAFETY OF 5 FOR CENTER OF SPAN CONCENTRATED LOAD

2 PIPE HANGER DETAIL
N.T.S.



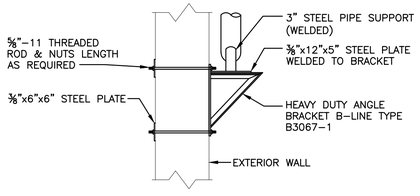


3 ROOFTOP CURB DETAIL
N.T.S.

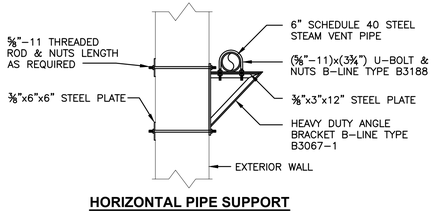


NOTE: SUPPORTS MUST BE INSTALLED TO ALLOW FOR VERTICAL PIPE EXPANSION. PIPE SHALL NOT BE ANCHORED AT THESE LOCATIONS. INSTALL TO SUPPORT PIPE LATERALLY AND GUIDE VERTICALLY.

VERTICAL PIPE SUPPORT

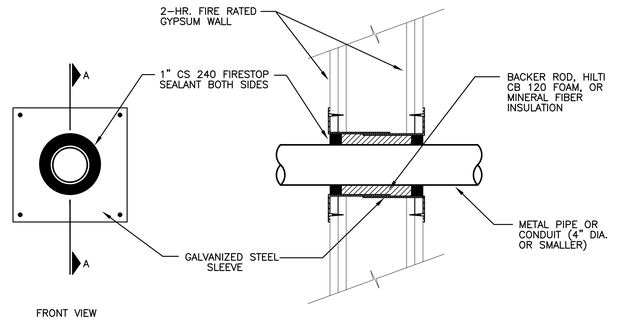


HORIZONTAL PIPE SUPPORT



HORIZONTAL PIPE SUPPORT

4 PIPE SUPPORT DETAILS
N.T.S.



NOTE: IF MINERAL FIBER INSULATION IS USED AS THE BACKING MATERIAL, SEALANT DEPTH MAY BE REDUCED TO 1/2".

ALL SURFACES SHOULD BE CLEANED, SOUND AND DRY PRIOR TO APPLICATION OF FIRESTOPPING MATERIALS. IF THE OPENING IS NOT SLEEVED, INSTALL A GALVANIZED STEEL SLEEVE AROUND THE PIPE AND ANCHOR IT IN PLACE.

INSTALL BACKER ROD, CB 120 FOAM, OR PACK MINERAL WOOL BETWEEN THE PIPE SLEEVE, LEAVING APPROPRIATE SPACE ON EACH SIDE OF THE WALL FOR THE FIRESTOP SEALANT.

APPLY THE REQUIRED DEPTH OF CS 240 FIRESTOP SEALANT TO BOTH SIDES OF THE WALL AND TOOL IT WITH A PUTTY KNIFE UNTIL FLUSH WITH THE SURFACE. LEAVE COMPLETE SEAL UNDISTURBED FOR 48 HOURS.

5 FIREWALL PENETRATION DETAIL
N.T.S.

REVISION SCHEDULE

#	DESCRIPTION	DATE

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I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M.E.P. CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

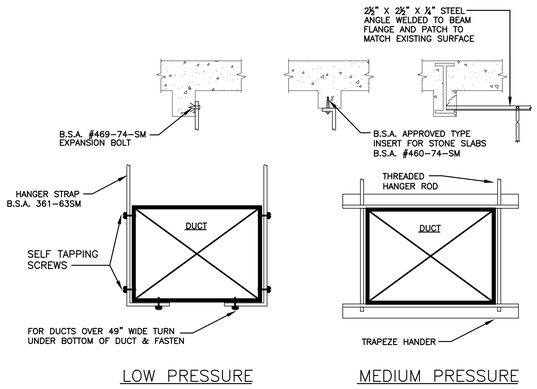
SHEET TITLE
HVAC DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
H701

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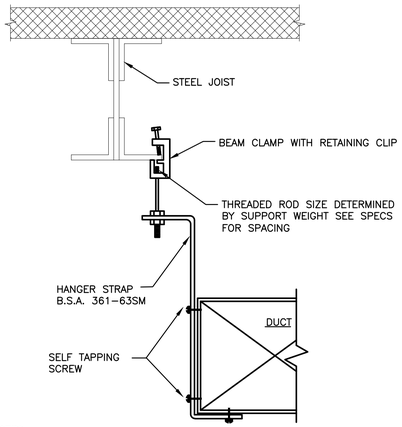


NOTE:

DISTANCE BETWEEN DUCTS HANGERS SHALL BE IN ACCORDANCE WITH M-307.4 BOCA. CODE.

1 METHOD OF HANGING DUCTWORK CONCRETE/WOOD DETAIL

N.T.S.

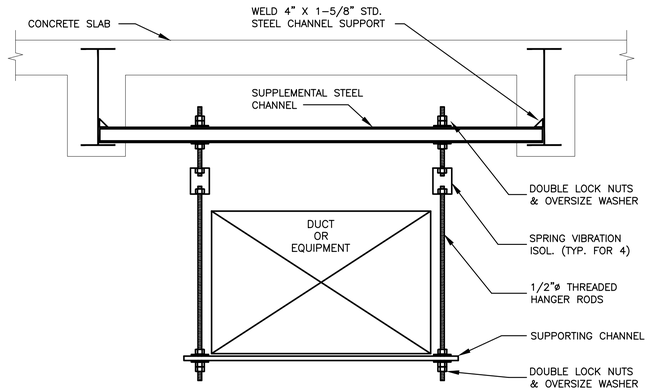


NOTES:

1. DUCTS SHALL NOT BE HUNG FROM OR SUPPORTED BY HUNG CEILING.
2. FOR DUCTS NOT EXCEEDING 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1/16".
3. FOR DUCTS LARGER THAN 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1" BY 1/8".
4. FOR ALL DUCTS. HANGERS SHALL BE TURNED UNDER AND FASTENED TO THE BOTTOM OF DUCT AS SHOWN ABOVE.
5. WHERE CROSS-SECTIONAL AREA OF DUCT EXCEEDS 8 SQ. FT., HANGERS SHALL BE NOT MORE THAN 4 FT. ON CENTER.

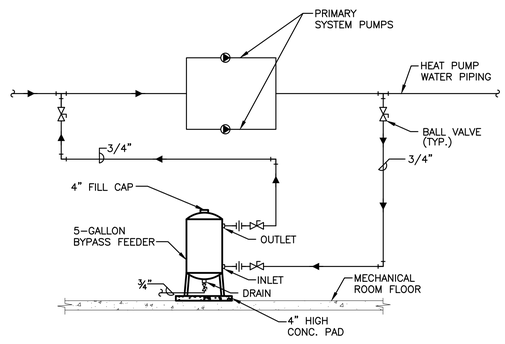
2 METHOD OF HANGING DUCTWORK

N.T.S.



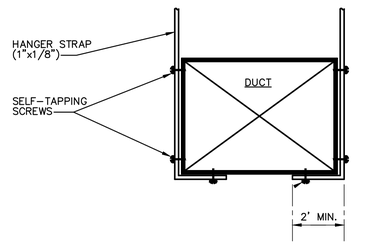
3 EQUIPMENT HANGING DETAIL

N.T.S.



6 CHEMICAL POT FEEDER DETAIL

N.T.S.



NOTES:

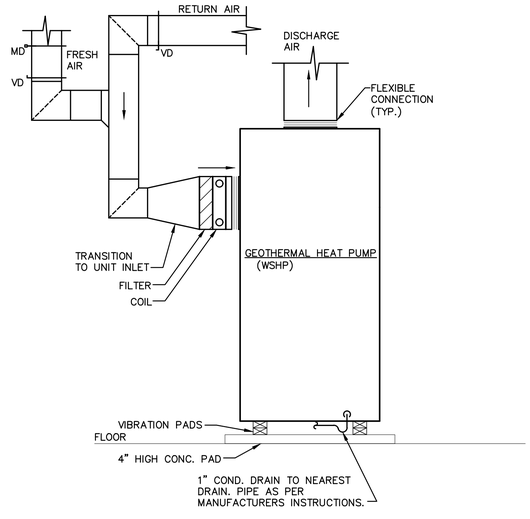
1. PROVIDE BRACING TO LIMIT THE AMPLITUDE OF WALL VIBRATION AND WALL DEFLECTION TO SPECIFIED MAXIMUMS.
2. MINIMUM DUCT SUPPORT REQUIREMENTS:

DUCT SIZE (SQ. FT.)	HANGER SIZE (IN.xGA.)	MAX. SPACING (FT.)
<2	1"x20 GA.	8
2<x≤4	1"x20 GA.	8
4<x≤10	1"x20 GA.	6
10<x	1"x18 GA.	4

3. INSULATION: ALL SUPPLY AIR DUCTWORK SHALL BE INSULATED WITH 1½" FIBERGLASS INSULATION OF 1 LB./C.F. DENSITY AND INTEGRAL VAPOR BARRIER JACKET. ALL EDGES, SEAMS, ETC. SHALL BE TAPED TO MAINTAIN VAPOR BARRIER.
4. ALL EXTERIOR STAINLESS STEEL DUCT SHALL BE SUPPORTED FROM THE BLDG. WALL PER SMACNA STANDARDS.

4 DUCT HANGERS/REINFORCEMENT

N.T.S.

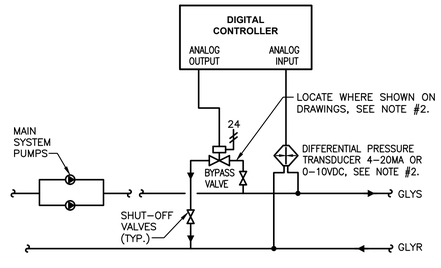


NOTES:

1. TYPICAL FOR INDOOR FLOOR MOUNTED HEAT PUMP UNITS.
2. ALL ANCHORS, CLAMPS, BOLTS, CHANNELS, ETC., SHALL BE RATED TO SUPPORT THE EQUIPMENT OPERATING WEIGHT.

5 FLOOR MOUNTED VERTICAL WATER SOURCE HEAT PUMP DETAIL (TYPICAL)

N.T.S.



NOTES:

1. TO BE PROVIDED TO GLYCOL HEAT PUMP SOURCE AND LOAD SYSTEM.
2. SEVERAL DIFFERENTIAL PRESSURE SENSORS TO BE PROVIDED IN VARIOUS LOCATIONS AS SHOWN. SEE PIPING FLOOR PLANS.

TYPICAL DIFFERENTIAL PRESSURE BY-PASS VALVE ARRANGEMENT

7

N.T.S.

REVISION SCHEDULE

#	DESCRIPTION	DATE

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I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M.E.P. CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

SHEET TITLE

HVAC DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

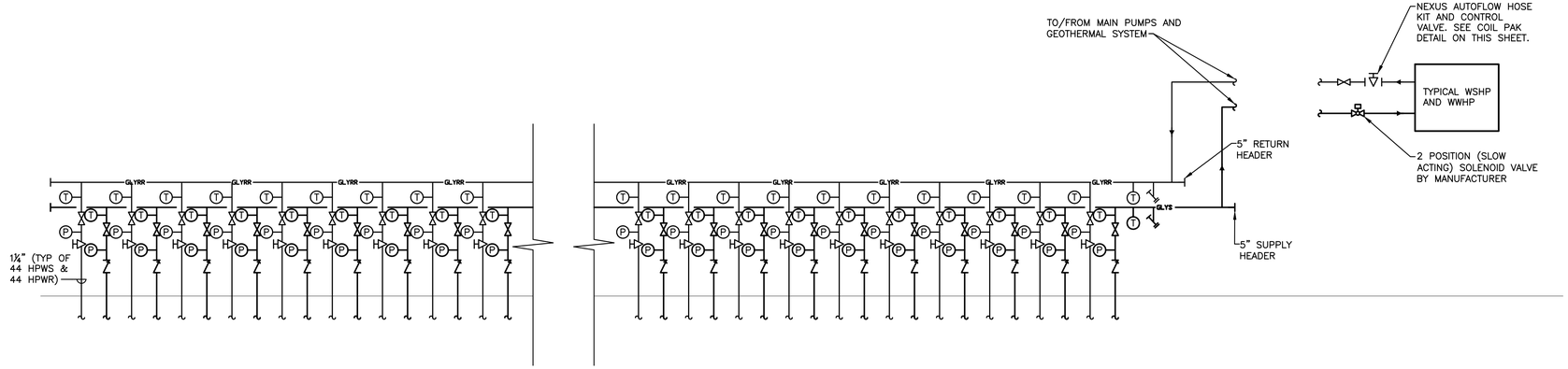
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

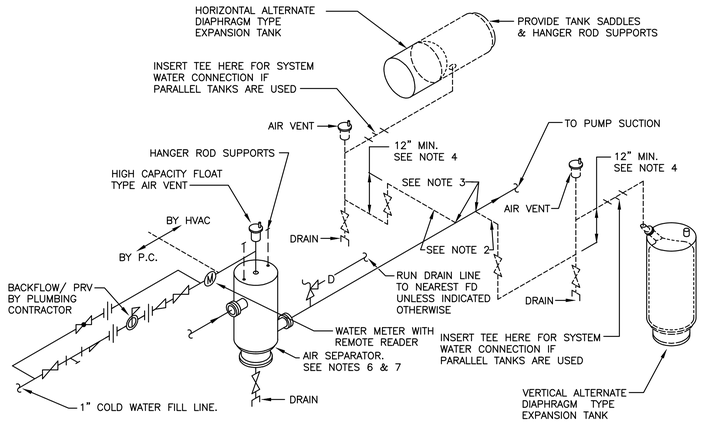
SHEET NUMBER

H702

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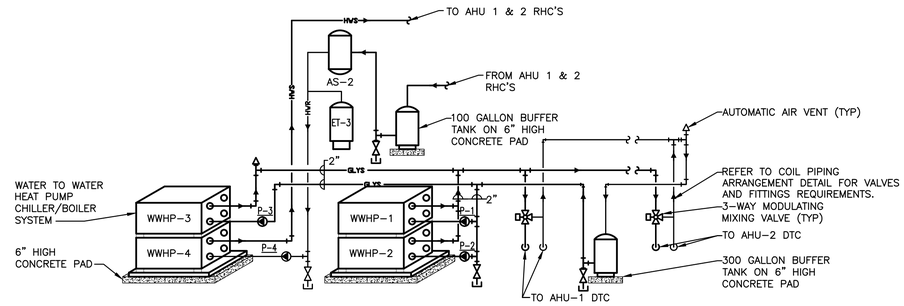
1 HEAT PUMP WATER PIPING MAIN PUMP SCHEMATIC
N.T.S.



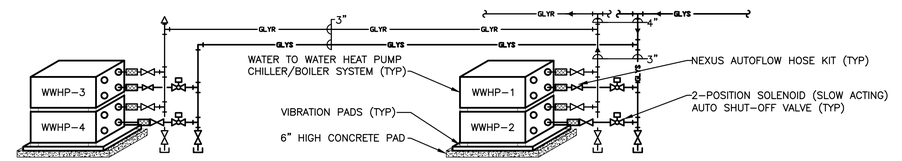
2 AIR CONTROL & PIPING CONNECTIONS FOR WATER SYSTEMS DIAPHRAGM TYPE EXPANSION TANK
N.T.S.

NOTES:

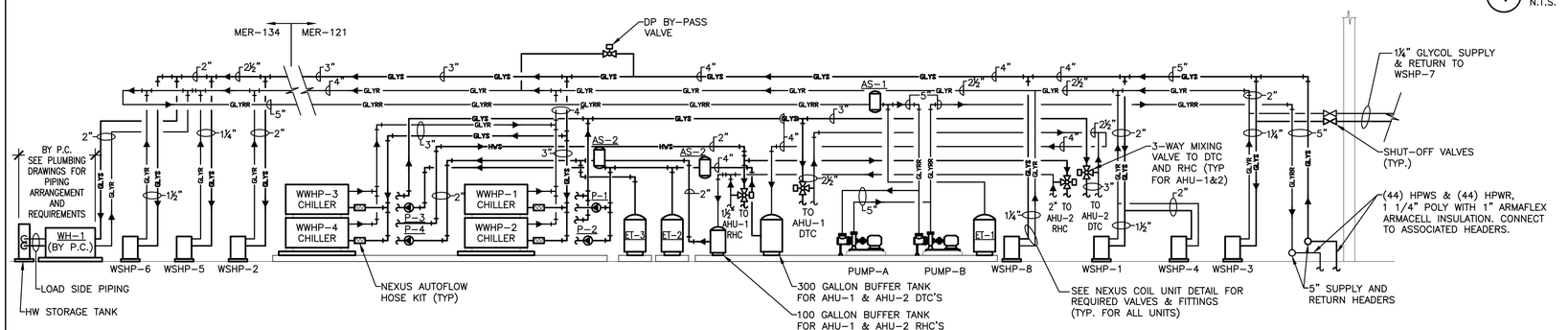
1. DETAIL IS TYPICAL FOR CONNECTIONS TO THE DUAL TEMPERATURE WATER SYSTEM AND THE ENERGY RECOVERY SYSTEM.
2. DASHED PIPING SHOWS BOTH HORIZONTAL AND VERTICAL DIAPHRAGM TYPE EXPANSION TANKS. PROVIDE ONLY THE DASHED PIPING FOR TYPE OF TANK FURNISHED.
3. CONNECT TO SIDE OF MAIN TO PREVENT AIR OR DEBRIS FROM ENTERING PIPE TO TANK. TOP OR BOTTOM CONNECTION NOT PERMITTED.
4. PROVIDE 12" MINIMUM DROP ANTI-THERMOSYPHON LOOP TO PREVENT GRAVITY HEATING OF TANK.
5. SEE EXPANSION TANK SYSTEM SCHEDULE FOR COMPONENT SIZES.
6. RELIEF VALVE FOR CHILLED WATER IS SHOWN. OMIT WHEN RELIEF VALVE IS SHOWN ON CONVERTER OR BOILER DETAIL & SYSTEM IS USED ONLY FOR HOT WATER HEATING. COMBINATION HEATING & COOLING SYSTEMS WILL REQUIRE THE RELIEF VALVE SET 10% ABOVE SYSTEM PRESSURE.
7. PROVIDE STRAINER IN AIR SEPARATOR WHEN INDICATED IN EXPANSION TANK SCHEDULE.
8. FOR HOT WATER SYSTEMS 2" AND SMALLER AND ALL CHILLED WATER SYSTEMS USE IN-LINE AIR PURGER IN LIEU OF AIR SEPARATOR.
9. SET PRESSURE REDUCING VALVE SO PRESSURE AT HIGH POINT IN SYSTEM HAS A MINIMUM OF 4 PSIG.



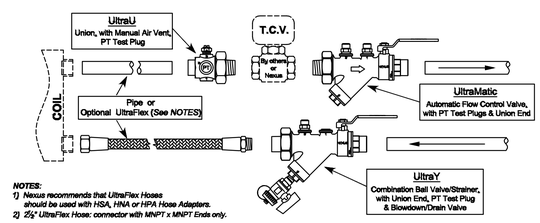
3 LOAD SIDE PIPING ARRANGEMENT
N.T.S.



4 SOURCE SIDE PIPING ARRANGEMENT
N.T.S.



5 GEOTHERMAL RISER SCHEMATIC DIAGRAM
N.T.S.



NOTES:
1) Nexus recommends that UltraFlex Hoses should be used with HSA, HNA or HPA Hose Adapters.
2) 2½" UltraFlex Hose: connector with MNPT x MNPT Ends only.

NOTE:

1. TYPICAL FOR ALL WSHP AND WWHP.

6 COIL PAK A2Y DETAIL
N.T.S.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

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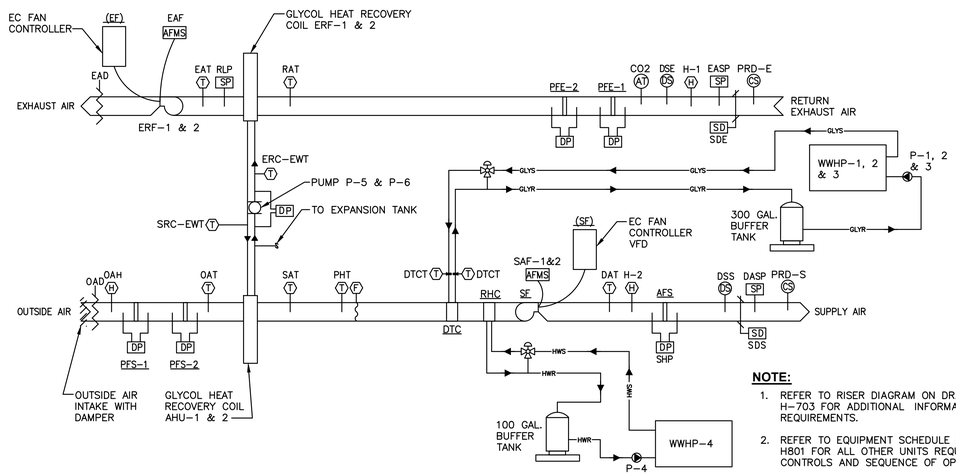
ORANGE COUNTY, NEW YORK

SHEET TITLE
HVAC DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
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APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
H703



NOTE:

1. REFER TO RISER DIAGRAM ON DRAWING H-703 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO EQUIPMENT SCHEDULE DRAWING H801 FOR ALL OTHER UNITS REQUIRING CONTROLS AND SEQUENCE OF OPERATION.

1 AHU-1 & 2 CONTROL SYSTEM SCHEMATIC

N.T.S.

NOTES:

1. FOR SYSTEMS WITH WINTER DESIGN CONDITIONS ≤ 32° F, PROVIDE APPROPRIATE PROPYLENE GLYCOL SOLUTION.

2 HEAT RECOVERY COIL DETAIL

N.T.S.

CONTROL SYMBOLS LIST

- T — TEMPERATURE SENSOR
- F — FREEZESTAT
- H — HUMIDISTAT
- CS — CONTROL SWITCH
- DS — DUCT SMOKE DETECTOR
- DP — DIFFERENTIAL PRESSURE SENSOR
- SP — DUCT STATIC PRESSURE SENSOR
- MODULATING CONTROL VALVE
- CO AT — CARBON MONOXIDE TRANSMITTER
- CONTROL STARTER
- MDS,E,R — MODULATING DAMPER FOR SUPPLY, EXHAUST, AND RETURN

CONTROL ABBREVIATIONS

AAD	AUTOMATIC AIR DAMPER
AFMS	AIR FLOW MEASURING STATION EBTRON FAN ARRAY MEASURING DEVICE PROVIDE & INSTALLED BY AHU VENDOR. CONTROL WIRING BY CONTROLS CONTRACTOR.
AFS	AFTER FILTER (SUPPLY SIDE)
AHU	AIR HANDLING UNIT
BWT	BOILER WATER TEMPERATURE
CCV	COOLING COIL CONTROL VALVE
DTC	DUAL TEMPERATURE COIL
DTCT	DUAL TEMPERATURE COIL (EWT/LWT)
EAT	EXHAUST AIR TEMPERATURE
ECO2	EXHAUST CO2
EF	EXHAUST FAN
EF-STS	EXHAUST FAN STATUS
ELP	EXHAUST LOW PRESSURE LIMIT
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
F.I.D.	FIELD INTERFACE DEVICE
HC	GLYCOL HEATING COIL
HCP	HEATING COIL PUMP (STATUS BY CURRENT SENSOR)
HHWV	HEATING HOT WATER CONTROL VALVE
LWT	LEAVING WATER TEMPERATURE
PFE	PREFILTER (EXHAUST SIDE)
SAH	SUPPLY AIR HUMIDITY
SAHRT	SUPPLY AIR HEAT RECOVERY TEMPERATURE
SAT	SUPPLY AIR TEMPERATURE
SASP	SUPPLY AIR STATIC PRESSURE
SF	SUPPLY FAN
VFD	VARIABLE FREQUENCY DRIVE

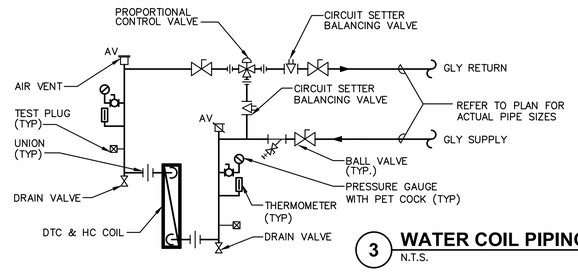
AHU-1 & 2/ERF-1 & 2 AND OTHER WSHP/WWHP SEQUENCE OF OPERATION:

PROVIDE A COMPLETE CONTROL SYSTEM TO PROVIDE THE FOLLOWING FUNCTION:

1. AHU-1 & 2 TO HAVE PIEZO RING ON THE SUPPLY FAN WITH DIFFERENTIAL PRESSURE TRANSDUCERS TO INDICATE SYSTEM AIRFLOW VOLUME.
2. AHU-1 TO DELIVER A CONSTANT VOLUME OF 2300 CFM VIA BMS SWITCHED VFD AND PIEZO RING AIRFLOW INDICATOR.
3. AHU-2 TO DELIVER A CONSTANT VOLUME OF 3700 CFM VIA BMS SWITCHED VFD AND PIEZO RING AIRFLOW INDICATOR.
4. ENERGY RECOVERY FAN ERF-1 SHALL BE SET UP AND CONTROLLED VIA VFD WITH DIFFERENTIAL PRESSURE INPUTS FROM THE SPECIAL AUTOPSY AND CORRIDOR TO MAINTAIN NEGATIVE 0.12 "WC IN SPECIAL AUTOPSY. SUCH THAT THE SPECIAL AUTOPSY ROOM IS ALWAYS NEGATIVE TO THE CORRIDOR.
5. ENERGY RECOVERY FAN ERF-2 SHALL BE SET UP AND CONTROLLED VIA VFD WITH DIFFERENTIAL PRESSURE INPUTS FROM THE AUTOPSY AND CORRIDOR TO MAINTAIN NEGATIVE 0.12 "WC IN AUTOPSY. SUCH THAT THE AUTOPSY ROOM IS ALWAYS NEGATIVE TO THE CORRIDOR.
6. SAT POINT SCHEDULE FOR ALL SYSTEM FUNCTIONS. START/STOP, STATUS, CONTROL, ALARMS, ETC.
7. WHEN THE SYSTEM SHUTDOWN THE SUPPLY FAN, EXHAUST FAN, INTAKE DAMPER, DISCHARGE DAMPER, HEAT RECOVERY PUMP, HEATING COIL PUMP, GLYCOL WATER CONTROL VALVE, SHALL TURN OFF.
8. THE SUPPLY AIR TEMPERATURE SHALL BE RESET INVERSELY WITH THE OUTSIDE AIR TEMPERATURE BY ENERGIZING OR DIENERGIZING THE HEAT RECOVERY SYSTEM, THE WATER TO WATER HEAT PUMPS (WWHP) AND THE COOLING CONTROL VALVE, SUBJECT TO THE RETURN AIR THERMOSTAT, ACCORDING TO THE FOLLOWING SAMPLE SCHEDULE AND EXACT TEMPERATURE REQUIREMENTS AS INDICATED ON H801 EQUIPMENT SCHEDULE.

OA TEMPERATURE	SA TEMPERATURE
0°F TO 68°F (ADJ)	65°F (ADJ)
72°F TO 92°F (ADJ)	55°F (ADJ)

9. THE SUPPLY FAN AND EXHAUST FAN SHALL NOT START UNTIL THE SWITCHES AT THE INTAKE AND DISCHARGE DAMPERS HAVE INDICATED THAT THE DAMPERS ARE FULLY OPEN.
10. THE SMOKE DETECTOR LOCATED IN THE SUPPLY DUCTWORK SHALL SHUT-DOWN THE SYSTEM UPON SENSING SMOKE. AN ALARM SHALL BE REGISTERED AT THE BMS AND SHALL INDICATE FAN SYSTEM AND LOCATION.
11. THE SYSTEM FREEZESTAT SHALL STOP THE SYSTEM AND CLOSE THE OUTSIDE AIR DAMPER IF THE TEMPERATURE SENSED DROPS BELOW ITS RATING OF 40°F.
12. THE SUPPLY FAN AND EXHAUST FAN SHALL START, VIA THEIR ASSOCIATED VFD. THE VFD SHALL BE MODULATED TO MAINTAIN REQUIRED SYSTEM STATIC. LOCATE STATIC PRESSURE SENSOR APPROXIMATELY 2/3 DISTANCE OF THE PRIMARY DUCT RUN.
13. NORMAL OPERATION – 24 HOUR CONTINUOUS.
    - A. HEATING – HEAT RECOVERY PUMP SHALL OPERATE BELOW 55° OAT. THE GLYCOL HEATING COIL PUMP SHALL OPERATE BELOW 45°F. HSV SHALL MODULATE TO MAINTAIN DATSP IF BOILER HOT WATER IS UNAVAILABLE AS DETERMINED BY THE BWT.
    - B. COOLING – ABOVE 75°F (ADJ) OUTSIDE AIR TEMPERATURE THE HEAT RECOVERY PUMP SHALL BE OFF.



3 WATER COIL PIPING SCHEMATIC FOR ALL LOAD SIDE COILS

N.T.S.

NOTES:

1. CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT OR DISCHARGE AIR SETPOINT.
2. HYDRONIC WATER SYSTEM IS CONSTANT VOLUME.
3. CONTROL VALVES SHALL BE NORMALLY OPEN.
4. CIRCUIT SETER BALANCE VALVE ON BYPASS PIPE TO BE ADJUSTED TO MATCH COIL PRESSURE DROP. VALVE SHALL BE HALF SIZE TO BE VERIFIED BY MFTR. FOR PRESSURE DROP.

MAIN GEOTHERMAL SYSTEM SEQUENCE OF OPERATION:

PROVIDE A COMPLETE CONTROL SYSTEM TO PROVIDE THE FLOWING FUNCTION:

1. WHEN ANY WATER SOURCE OR WATER TO WATER HEAT PUMP IS INITIATED TO START, THE MAIN SYSTEM PUMPS (P-A OR P-B) SHALL ENERGIZE AND SIGNAL THE BMS THAT THE SYSTEM IS IN HEATING OR COOLING, MODE.
2. WHEN ALL UNITS ARE OPERATING THE MAIN SYSTEM PUMPS SHALL BE AT NORMAL OPERATION. SPEED – WHEN SOME UNITS ARE OFF OR NOT OPERATING THE MAIN SYSTEM PUMPS SHALL RECEIVE A SIGNAL FROM THE DIFFERENTIAL PRESSURE BY-PASS VALVE TO SIGNAL THE PUMPS VFD TO VARY ITS SPEED TO MAINTAIN SYSTEM PRESSURE.

WATER SOURCE HEAT PUMPS SEQUENCE OF OPERATION:

WHEN A WATER SOURCE HEAT PUMP UNIT OPERATES, THE FOLLOWING FUNCTIONS OCCUR:

STARTING SEQUENCE – THE THERMOSTAT ACTIVATES THE HEATING OR COOLING FUNCTION

1. THE THERMOSTAT OPENS THE WATER FLOW CONTROL VALVE TO HEAT PUMP CONDENSER UNIT AND STARTS THE FAN TO ESTABLISH AIR FLOW OVER THE COMBINED HEATING/ COOLING COIL.
2. THE HEAT UNIT COMPRESSOR THEN STARTS IN HEATING OR COOLING MODE OF OPERATION AT ANY TIME OF DAY, YEAR ROUND BASED ON THE SUITE THERMOSTAT TEMPERATURE SET POINT.
3. ASSOCIATED ERV'S SHALL OPEN THEIR RESPECTIVE OA, RA, EA DAMPERS AND START THEIR ASSOCIATED FANS.

STOPPING THE SEQUENCE – THE THERMOSTAT DEACTIVATES THE HEATING OR COOLING FUNCTION AS FOLLOWS:

1. STOPS THE HEAT PUMP COMPRESSOR.
2. CLOSE THE WATER FLOW TO THE HEAT PUMP CONDENSER UNIT.
3. STOPS THE AIR FLOW OVER THE COMBINED HEATING/COOLING COIL.
4. ASSOCIATED ERV'S SHALL STOP OR MODULATE TO SUPPLY UNITS THAT ARE STILL OPERATING.

ELECTRIC DUCT HEATERS – SEE ELECTRIC DUCT REHEAT COIL DETAIL ON DRAWING H705 FOR CONTROLS REQUIREMENTS.

1. REHEAT COIL OPERATES DURING THE HEATING SEASON VIA 3 STAGE ROOM THERMOSTAT WITH CONTROL RELAY TO INTERLOCK COIL CONTROL SIGNAL WITH HEAT PUMP (WSHP-6) CONTROL SIGNAL.

AHU-1 & 2 AND ERF/ERF-2 POINT LIST		OUTPUTS						INPUTS											SYSTEM SOFTWARE/CONTROL							
		BINARY		ANALOG				BINARY						ANALOG					ALARM PROCESSING			APPLICATON				
SYSTEM COMPONENT:	ABBREVIATION	START/STOP	OPEN/CLOSE	SPEED COMMAND	VALVE POSITION	DAMPER POSITION		STATUS	OPEN/CLOSED	ALARM	PRESSURE	LOW TEMPERATURE		TEMPERATURE	PRESSURE	FLOW	STATIC PRESSURE	HUMIDITY	HIGH LIMIT	LOW LIMIT	OPEN	SCHEDULE	TEMPERATURE RESET	FULL COMMUNICATION	TRENDING	REMARKS
EXHAUST AIR TEMPERATURE	EAT													•											•	
EXHAUST AIR HUMIDITY	EAH																	•	•	•					•	
EXHAUST AIR FLOW (CFM)	EAF															•			•	•					•	
SUPPLY AIR HEAT RECOVERY TEMPERATURE	SAHRT													•					•	•					•	
PRE-HEAT TEMPERATURE	PHT													•					•	•					•	
COOLING COIL LEAVING WATER TEMP	CCT													•											•	
SUPPLY AIR TEMPERATURE	SAT													•					•	•			•		•	
SUPPLY STATIC PRESSURE	SASP																•		•	•					•	
SUPPLY AIR FLOW CFM	SAF															•			•	•					•	
OUTSIDE AIR TEMPERATURE	OAT													•											•	
EXHAUST LOW PRESSURE LIMIT	ELP								•																•	
EXHAUST FAN STATUS	EF-STS						•																		•	
SUPPLY FAN STATUS	SF-STS						•																		•	
STATIC PRESSURE HIGH LIMIT	SHP								•																•	
OUTSIDE AIR DAMPER	OAD		•				•																		•	
EXHAUST AIR DAMPER	EAD		•				•																		•	
PRE-HEAT VALVE	HHWV				•																				•	
HEAT RECOVERY COIL PUMPS	P-5 & P-6	•		•			•		•							•									•	
COOLING VALVE	CCV				•																				•	
EXHAUST FAN START/STOP	EF-SST	•																							•	
SUPPLY FAN START/STOP	SF-SST	•																							•	
EXHAUST AIR DAMPER	EAD													•											•	
SUPPLY PRE-FILTER 1	PFS-1														•				•						•	
SUPPLY PRE-FILTER 2	PFS-2														•				•						•	
SUPPLY AFTER FILTER	AFS														•				•						•	
EXHAUST PRE-FILTER 1	PFE-1														•				•						•	
EXHAUST PRE-FILTER 2	PFE-2														•				•						•	
PRE-HEAT COIL ENTERING WATER	PH-EWT													•					•						•	
PRE-HEAT COIL LEAVING WATER	PH-LWT													•						•					•	
HX LEAVING WATER TEMP TO HC	HX-LWT													•					•	•					•	
CONDENSATE RETURN TEMP	CRS													•											•	
DUCT SMOKE DETECTOR, SUPPLY	DSS								•																	
DUCT SMOKE DETECTOR, EXHAUST	DSE								•																	
EXHAUST RECOVERY COIL ENTERING WATER TEMP	ERC-EWT													•											•	
SUPPLY RECOVERY COIL ENTERING WATER TEMP	SRC-EWT													•											•	
HEAT RECOVERY VALVE	HRV				•																				•	
EXHAUST FAN	MREF	•				•	•							•												
MAIN SOURCE SIDE PUMPS	P-A/P-B	•		•			•		•								•								•	
LOAD SIDE PUMPS	P-1,2,3,4	•		•			•		•								•								•	
MORGUE UNITS																										
REFRIGERANT SUCTION TEMP	RST									•				•											•	
SPACE TEMP	T								•					•											•	

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
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COST CONSULTANT: STUART-LYNN COMPANY
FP&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FE PROJECT #: 20-335
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE: HVAC DETAILS

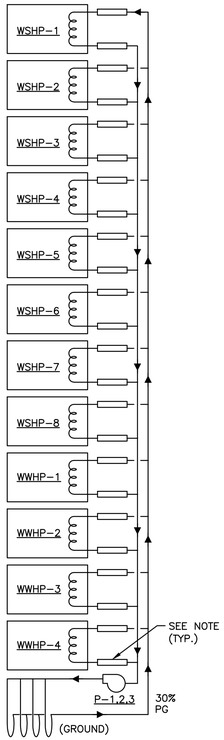
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	AH
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

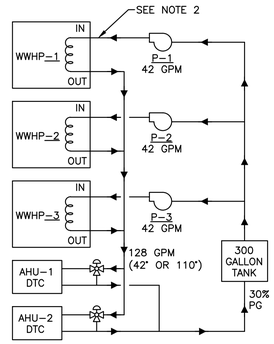
SHEET NUMBER

H704



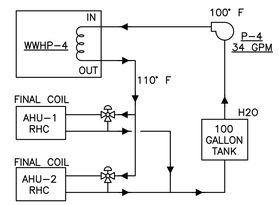
NOTE: INSTALL NEXUS AUTOFLOW HOSE KIT ON EVERY UNIT.

1 ALL SYSTEMS GEOTHERMAL LOOP SCHEMATIC - ONE LINE DIAGRAM
N.T.S.



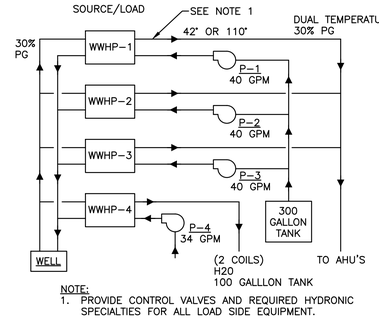
NOTES:
1. DUAL TEMPERATURE LOOP BETWEEN WWHP-1,2,3 AND THE MAIN COIL IN AHU-1&2.
2. PROVIDE CONTROL VALVES AND REQUIRED HYDRONIC SPECIALTIES FOR ALL LOAD SIDE EQUIPMENT.

2 WWHP-1,2,3 LOAD SIDE DUEL TEMPERATURE SCHEMATIC - ONE LINE DIAGRAM
N.T.S.



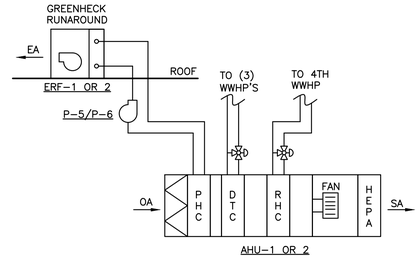
NOTES:
1. REHEAT COIL IN AHU-1 & AHU-2.
2. PROVIDE CONTROL VALVES AND REQUIRED HYDRONIC SPECIALTIES FOR ALL LOAD SIDE EQUIPMENT.

3 WWHP-4 LOAD SIDE SCHEMATIC - ONE LINE DIAGRAM
N.T.S.

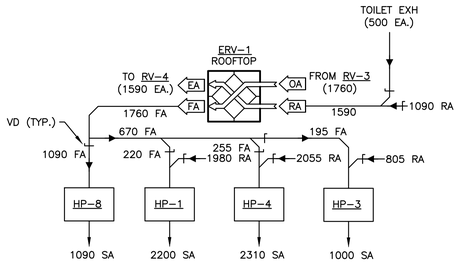


NOTE:
1. PROVIDE CONTROL VALVES AND REQUIRED HYDRONIC SPECIALTIES FOR ALL LOAD SIDE EQUIPMENT.

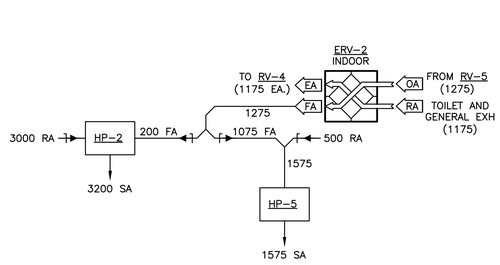
4 WATER TO WATER HEAT PUMP SCHEMATIC - ONE LINE DIAGRAM
N.T.S.



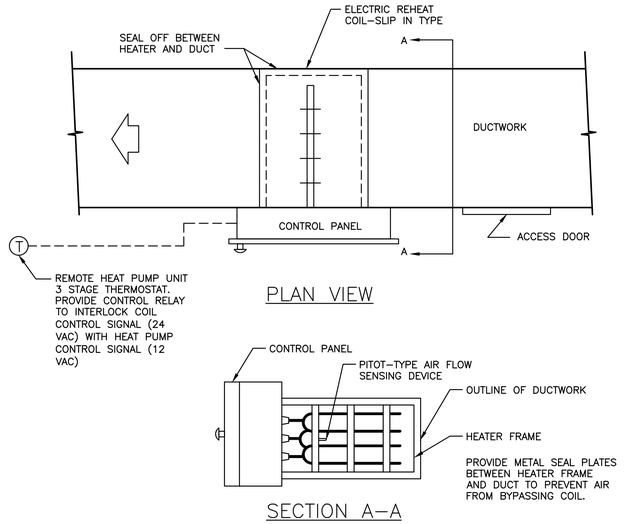
5 ENERGY RECOVERY EXHAUST SCHEMATIC - ONE LINE DIAGRAM
N.T.S.



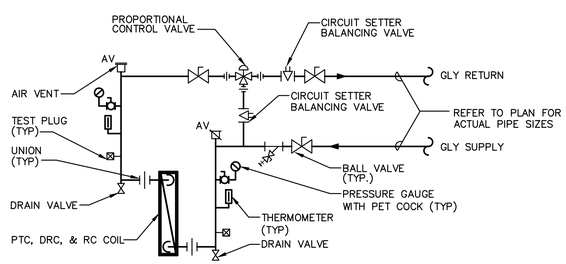
6 ERV-1 AIRFLOW ORIENTATION
N.T.S.



7 ERV-2 AIRFLOW ORIENTATION
N.T.S.

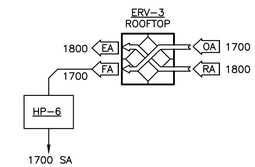


8 ELECTRIC DUCT REHEAT COIL
N.T.S.



NOTES:
1. CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT OR DISCHARGE AIR SETPOINT.
2. HYDRONIC WATER SYSTEM IS CONSTANT VOLUME.
3. CONTROL VALVES SHALL BE NORMALLY OPEN.
4. CIRCUIT SETER BALANCE VALVE ON BYPASS PIPE TO BE ADJUSTED TO MATCH COIL PRESSURE DROP, VALVE SHALL BE HALF SIZE TO BE VERIFIED BY MFTR. FOR PRESSURE DROP.

9 WATER COIL PIPING SCHEMATIC FOR ALL LOAD SIDE COILS
N.T.S.



10 ERV-3 AIRFLOW ORIENTATION
N.T.S.

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REVISION SCHEDULE

#	DESCRIPTION	DATE

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FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
M.E.P. CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

SHEET TITLE
HVAC DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
H705

WATER TO WATER AIR HANDILING SCHEDULE

Unit						Initial Filter				Hot Water Coil (1) (Preliminary Runaround Loop Data) - 30% PG										Dual Temperature Coil - Cooling Performance (30%PG)											Dual Temperature Coil - Heating Performance (30%PG)											Hot Water Reheat Coil - for Dehumidification										
Tag	Model	Length (in)	Weight (lb)	External Dimensions* Supply Height (in)	Supply Width (in)	Type	Filter Qty - Sizes	Depth	Mean PD (inH2O)	Total Capacity (Btu/hr)	EAT-DB °F	LAT-DB °F	F.V. (ft/min)	A.P.D. (inH2O)	EWT °F	LWT °F	Flow Rate (GPM)	W.P.D. (ftH2O)	Rows	FPI	Sensible Capacity (Btu/hr)	Total Capacity (Btu/hr)	EAT-DB °F	EAT-WB °F	LAT-DB °F	LAT-WB °F	A.P.D. (inH2O)	EWT °F	LWT °F	Flow Rate (GPM)	W.P.D. (ftH2O)	Rows	FPI	Total Capacity (Btu/hr)	EAT-DB °F	LAT-DB °F	A.P.D. (inH2O)	EWT °F	LWT °F	Flow Rate (GPM)	W.P.D. (ftH2O)	Rows	FPI	Total Capacity (Btu/hr)	EAT-DB °F	LAT-DB °F	A.P.D. (inH2O)	EWT °F	LWT °F	Flow Rate (GPM)	W.P.D. (ftH2O)	Rows	FPI
AHU-1 SPEC Autopsy 2300	CAH009GDGM	174	2549.34	58	38	Pleated (MERV 8)	2 - 24.00 x 24.00	2	0.56		-9		315	0.43			12.5	2.4	6	10	115671	191374	92	73	46	45.8	0.75	42	50.3	48	11.9	10	12	266831	2	108	0.51	110	94.4	35.9	5.7	10	12	56854	48	70.6	0.05	110	101.9	14	0.4	2	7
AHU-2 HP-5 Autopsy 3700	CAH010GDGM	178	2745.27	58	40	Pleated (MERV 8)	2 - 24.00 x 12.00 2 - 24.00 x 24.00	2	0.57		-9		470	0.85			19.5	5.4	6	10	179257	293219	92	73	47.7	47.5	1.41	42	49.6	80	15.5	10	12	388092	2	106	0.86	110	94.6	53.1	5.9	10	12	90600	48	70.4	0.11	110	100.9	20	0.8	2	9

Supply Fan									Combination Filter									
Fan						Motor			Panel Filter				Bag Filter					
Type	Airflow (CFM)	RPM	BHP	E.S.P. (inH2O)	T.S.P. (inH2O)	Voltage	Power (HP)	RPM	Control	Type	Filter Qty - Sizes	Depth	Mean PD (inH2O)	Type	Filter Qty - Sizes	Depth	Efficiency	Mean PD (inH2O)
DDPL15-12BL	2300	3286	3.6	1.5	5.64	200/60/3	5	3500	VFD	Pre Pleat (MERV 13)	2 - 24.00 x 24.00	2	0.58	HEPA	2 - 24.00 x 24.00	12	MERV 17	1.77
DDPL16-9BL	3700	3210	6.62	1.5	7.13	200/60/3	10	3500	VFD	Pre Pleat (MERV 13)	2 - 24.00 x 24.00	2	0.66	HEPA	2 - 24.00 x 24.00	12	MERV 17	2.04

NOTE:
1. ALL FANS TO HAVE VFD'S AND PIEZO RING AIRFLOW INDICATOR.

ENERGY RECOVERY VENTILATOR SCHEDULE

Basis of Design	Model	Location	Tag #	Fan Data: Supply Airflow: Supply CFM	ESP	Motor HP	VFD	Wheel Data: Summer/Cooling: Outdoor: Dry Bulb	Wet Bulb	Grains	Supply: Dry Bulb	Wet Bulb	Grains	Min Latent Eff %	Max PD (in/w g)	Return: Dry Bulb	RH	Wet Bulb	Grains	Max PD (in/w g)	Exhaust: Dry Bulb	Grains	Unit Information: Electrical (includes preheater load) Voltage/Phase	FLA	MCA	MOCP	Electric Preheat (1)	Minimum RER
				Return Airflow: Return CFM	ESP	Motor HP	VFD	Winter/Heating: Outdoor: Dry Bulb	Wet Bulb	Grains	Supply: Dry Bulb	Wet Bulb	Grains	Min Latent Eff %	Max PD (in/w g)	Return: Dry Bulb	RH	Wet Bulb	Grains	Max PD (in/w g)	Exhaust: Dry Bulb	Grains	Filters: Outdoor: Type	Depth	Rating	Return: Type	Depth	Rating	
SEMCO	FV-2000	Outdoor Unit	ERV-1	1,760	1.00	2.00	Yes	92.0	73.0	91.9	78.2	64.4	68.7	0.76	0.54	72.0	50%	60.0	58.3	0.47	87.3	84.0	208V/3Ph	23.5	25.5	35.0	0.0 KW	102.6
				1,590	1.00	2.00	Yes	2.0	1.2	4.6	49.0	39.2	20.0.5	0.76	0.48	70.0	25%	51.4	27.0	0.44	18.0	9.9	Pleated	2"	MERV 13	Pleated	2"	MERV 8	200.0
SEMCO	FV-2000	Outdoor Unit	ERV-3	1,710	1.50	2.00	Yes	92.0	73.0	91.9	77.9	64.2	68.3	0.70	0.52	72.0	50%	60.0	58.3	0.51	86.1	82.0	208V/3Ph	20.0	22.0	30.0	0.0 KW	98.3
				1,710	0.57	1.50	Yes	2.0	1.2	4.6	49.8	39.8	20.3.5	0.70	0.46	70.0	25%	51.4	27.0	0.48	22.2	11.3	Pleated	2"	MERV 13	Pleated	2"	MERV 8	191.5

PUMP SCHEDULE

"TACO" AS STANDARD OR APPROVED EQUAL

UNIT NO.	LOCATION	SYSTEM	CIRCULATING FLUID: FLUID	SPEC. GRAVITY	TEMP. (°F)	GPM	HEAD (FT.)	MOTOR HP (WATTS)	MOTOR RPM	MOTOR SPEED	IMPELLER DIAMETER (IN.)	MIN. EFF. (%)	ELECTRICAL DATA VOLT/PH	WEIGHT (LB)	MODEL NO.	REMARKS
P-1	MER 121	LOAD IN CH-1	30% PG	1.026	42-110	42.6	60	2.0	1760	VFD	7.75	49	208/3	–	1919	SEE NOTES
P-2	MER 121	LOAD IN CH-2	30% PG	1.026	42-110	42.6	60	2.0	1760	VFD	7.75	49	208/3	–	1919	SEE NOTES
P-3	MER 121	LOAD IN CH-3	30% PG	1.026	42-110	42.6	60	2.0	1760	VFD	7.75	49	208/3	–	1919	SEE NOTES
P-4	MER 121	LOAD IN CH-4	PLAIN WATER	1.0	32-110	34	40	1.0	1760	VFD	6.55	47	208/3	–	1919	SEE NOTES
P-5	MER 121	AHU-1 PHC/ERF-1	30% PG	1.026	25	12.5	35	0.75	1760	VFD	5.8	40	208/3	–	1915	SEE NOTES
P-6	MER 121	AHU-2 PHC/ERF-2	30% PG	1.026	46	19.5	40	0.75	1750	VFD	6.2	41	208/3	–	1915	SEE NOTES
P-A	MER 121	GEO SYSTEM SOURCE	30% PG	1.026	25	300	180	25	1760	VFD	7.15	77	208/3	–	F13013D	SEE NOTES
P-B	MER 121	GEO SYSTEM SOURCE	30% PG	1.026	25	300	180	25	1760	VFD	7.15	77	208/3	–	F13013D	SEE NOTES

NOTES:
1. IMPELLER DIAMETER INDICATED IS APPROXIMATE. FINAL IMPELLER DIAMETER TO BE DETERMINED BY PUMP MFTR. CONTRACTOR SHALL TRIM IMPELLER AFTER INITIAL FLOW BALANCING TO ACHIEVE OPTIMAL PUMP PERFORMANCE.
2. M.C. TO FURNISH. E.C. TO INSTALL AND WIRE VFD'S.

ENERGY RECOVERY VENTILATOR SCHEDULE

Basis of Design	Model	Location	Tag#	Fan Data: Supply Air Airflow: Elevation (ft)	Fresh Air CFM	ESP	Motor HP	VFD	FLA	Exhaust Air Airflow: Exhaust Air CFM	ESP	Motor HP	VFD	FLA	Energy Recovery Data: Summer/Cooling: Outdoor Air: Dry Bulb	Wet Bulb	Grains/lb	Fresh Air: Dry Bulb	Wet Bulb	Grains/lb	Return Air: Dry Bulb	Wet Bulb	Grains/lb	Winter/Heating: Outdoor Air: Dry Bulb	Wet Bulb	Grains/lb	Fresh Air: Dry Bulb	Wet Bulb	Grains/lb	Return Air: Dry Bulb	Wet Bulb	Grains/lb	Performance Effectiveness: Sensible (%)	Summer Total (%)	Winter Total (%)	Unit Information: Electrical: Voltage/Phase/HZ	MCA	MOPD	Filters: Outdoor Air: Type	Depth	Rating	Return Air: Type	Depth	Rating
RenewAire	HE2X	Indoor Unit	ERV-2	364	1275	1	1.5	YES	4.6-4.8	1175	1	1.5	YES	4.6-4.8	92	73	93.1	78	66.7	81.4	72	60	59.1	2	1.2	4.8	49.5	39.2	19.4	70	51.4	27.4	75.9	55.9	74.7	208-230V / 3 Phase / 60 HZ	11.9	15	Pleated	2"	MERV-13	Pleated	2"	MERV-8

WATER SOURCE HEAT PUMP UNIT SCHEDULE

TAG	Diakin Model	Airflow (CFM)	Outdoor Airflow (CFM)	OA From ERV	External Static Pressure (inH_2O)	Fluid Flow (gpm)	Fluid Type	Antifreeze (%)	Cooling: EWT (°F)	LWT (°F)	EAT: EDB (°F)	EAT: EWB (°F)	LAT: LDB (°F)	LAT: LWB (°F)	Total (Btu/hr)	Sensible (Btu/hr)	Heat of Rejection (Btu/hr)	EER (Design)	EER (AHRI)	Heating: EWT (°F)	LWT (°F)	EAT: EDB (°F)	EAT: LDB (°F)	Total (Btu/hr)	Heat of Absorption (Btu/hr)	COP (Design)	COP (AHRI)	Electrical: Voltage	Compressor: RLA	Fan Motor: FLA	Total Unit: FLA	MCA (A)	Max Fuse
WSHP 001	WLVW1072	2200	220	ERV-1	1.28	15.00	Propylene Glycol	30.00	77.0	88.6	72.6	60.8	52.0	49.6	66235	49067	83580	12.6	14.6	32.0	26.6	67.0	90.1	55424	38595	3.2	3.4	208/60/3	13.2	5.0	31.4	34.7	45
WSHP 002	WLVW1096	3210	200	ERV-2	1.22	20.00	Propylene Glycol	30.00	77.0	87.5	72.4	60.6	55.2	51.8	77294	59560	100149	11.2	14.6	32.0	26.9	68.0	88.0	69869	48781	3.2	3.6	208/60/3	13.7	6.4	33.8	37.2	50
WSHP 003	WGTV0321	1000	195	ERV-1	0.7	6.50	Propylene Glycol	30.00	77.0	88.9	73.3	61.6	53.1	50.6	30030	21970	36597	15.6	18.9	32.0	26.5	65.0	86.3	23112	17029	3.8	4.1	208-230/60/3	8.7	5.0	13.7	15.9	20
WSHP 004	WLVW1072	2310	255	ERV-1	1.24	18.00	Propylene Glycol	30.00	77.0	86.8	72.6	60.8	52.4	50.1	66857	50516	84381	12.63	14.6	32.0	27.2	67.0	90.1	58256	41118	3.27	3.4	208/60/3	13.2	5.0	31.4	34.7	45
WSHP 005	WGTV0381	1575	150	ERV-2	14	14.00	Propylene Glycol	30.00	77.0	88.7	76.1	64.7	53.1	50.2	61167	37505	72425	18.6	19.7	32.0	26.6	55.0	84.2	47496	35687	4	3.9	208-230/60/3	16.5	9.4	25.9	30.0	45
WSHP 006	WGTV0721	1710	1710	ERV-3	0.7	18.00	Propylene Glycol	30.00	77.0	86.6	**77.9**	**64.2**	51.3	49.8	68353	49421	82299	16.7	18.1	32.0	27.0	**50.0**	79.7	55222	42701	4.4	3.7	208-230/60/3	17.6	9.4	27.0	31.4	45
WSHP 007	WGTH0491	1600	150	N/A	0.7	12.00	Propylene Glycol	30.00	77.0	86.7	72.6	60.9	52.5	50.5	45353	34808	55063	15.9	19.2	32.0	27.4	62.0	82.4	35506	26418	3.9	4	208-230/60/3	14.0	7.3	21.3	24.8	35
WSHP 008	WGTV0381	1090	1090	ERV-1	0.7	9.00	Propylene Glycol	30.00	77.0	89.0	78.0	66.6	54.8	52.6	43049	26473	51415	17.5	19.8	32.0	26.4	50.0	77.0	30779	23784	4.4	4	208-230/60/3	14.2	7.3	21.5	25.0	35

NOTE:
1. PROVIDE NEXUS COIL PACK FOR EACH WATER SOURCE HEAT PUMP BASED ON THEIR RESPECTIVE FLOW RATE OF EACH UNIT.

WATER TO WATER HEAT PUMP CHILLERS/BOILERS

General Unit Data: Tag	Quantity	Bosch Model Number	Unit Size	Description	Cooling: Total Capacity	Input Watts	EER	Heat of Rejection	Heating: Total Capacity	Input Watts	COP	Heat of Absorbtion	Cooling Source: Fluid Flow	EWT	PCT Glycol	LWT	WPD	Cooling Load: Fluid Flow	EWT	PCT Glycol	LWT	WPD	Heating Source: Fluid Flow	EWT	PCT Glycol	LWT	Freeze Point	WPD	Heating Load: Fluid Flow	EWT	PCT Glycol	LWT	WPD	Unit MCA	Unit MFS	Unit Voltage
					BtuH	W	BtuH/W	BtuH	BtuH	W	W/W	BtuH	GPM	F	%	F	ft H2O	GPM	F	%	F	ft H2O	GPM	F	%	F	ft H2O	ft H2O	GPM	F	%	F	ft H2O			V
WWHP-1 2 3	3	WW210-3USC-RXXXCA-XDGDEHM	210	WW - Water2Water High Efficiency	158613	11205	14.2	196846	151873	14383	14.2	102798	40	77	30	87.4	15.8	40	50	30	41.7	19.8	40	32	30	26.6	8	22	40	101	30	109	14.1	69.7	125	3 - 208-230/60/3
WWHP-4	1	WW180-3USC-RXXXCA-XDGDEHM	180	WW - Water2Water High Efficiency	126892	8295	15.3	155195	120639	10703	15.3	84121	This WWHP is dedicated to the reheat coils in the 2 Autopsy AHUs. Those coils are for dehumidification during shoulder seasons and the geothermal (source) loop is expected to be warmer than the design condition shown here:									34	32	30	26.8	8	16.4	34	101	0	108.1	8.5	60.1	100	3 - 208-230/60/3

NOTE:
1. PROVIDE NEXUS COIL PACK FOR EACH WATER TO WATER HEAT PUMP CHILLERS BASED ON THEIR RESPECTIVE FLOW OF EACH UNIT.

#	REVISION SCHEDULE: DESCRIPTION	DATE

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FP&E CONSULTANT: CLASSIC CONSULTANT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: prime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SHEET TITLE: HVAC SCHEDULES

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
OSSINING, NY 10562

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	2071
CLIENT PROJ. NO.:	

SHEET NUMBER

H801

AIR SEPARATOR SCHEDULE

BASED ON MANUFACTURER: TACO OR APPROVED EQUAL

UNIT NO.	SERVICE	LOCATION	MANUF. & MODEL #	WORKING PRESSURE PSIG ASME	TANK SIZE				TANK CONNECTION SIZES (IN.)			REMARKS
					DIAMETER (LENGTH)	HEIGHT	CAPACITY (GALLONS)	WEIGHT (lbs.)	INLET	OUTLET	BOTTOM DRAIN	
AS–1	GLYCOL FILLER SYSTEM	MER 121	TACO AC05F–125	125	16	32½	–	165	5	5	1¼	SEE NOTES
AS–2	CLEAN WATER FILLER SYSTEM	MER 121	TACO AC02F–125	125	12	22⅛	–	45	2	2	1¼	SEE NOTES
AS–3	ENERGY RECOVERY	MER 121	TACO 433	125	(8)	6	–	7	1½	1½	½	SEE NOTES
AS–4	ENERGY RECOVERY	MER 121	TACO 434	125	(8)	6	–	7	2	2	½	SEE NOTES

NOTES:

1. THE UNIT SHALL HAVE AN INTERNAL STAINLESS STEEL AIR COLLECTOR TUBE WITH 3/32" DIAMETER PERFORATIONS AND 63% OPEN AREA DESIGNED TO DIRECT ACCUMULATED AIR TO THE COMPRESSION TANK VIA A NPT VENT CONNECTION AT TOP OF UNIT.
2. THE AIR SEPARATOR MUST BE DESIGNED, CONSTRUCTED AND STAMPED FOR 125 PSIG @ 350°F IN ACCORDANCE WITH SECTION VIII, DIVISION 1 OF THE ASME BOILER AND PRESSURE VESSEL CODE AND REGISTERED WITH THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS.
3. THE AIR SEPARATOR(S) SHALL BE PAINTED WITH ONE SHOP COAT OF LIGHT GRAY AIR DRY ENAMEL.

DUCTLESS SPLIT-SYSTEM UNITS (BASED ON MITSUBISHI CORP.)

MARK	LOCATION	TYPE	MANUFACTURER	MODEL #	NET COOLING CAPACITY BTU/HR	NET HEATING CAPACITY BTU/HR	MOUNTING	EER	FAN CFM	ELECTRICAL CHARACTERSTICS		REMARKS
										VOLTAGE	COP/POWER CONSUMPTION (WATTS)	
AC–1	AS SHOWN	INDOOR	DAIKIN	FFQ09Q2VJU	---	---	WALL	13.0		208/230V	4.58/1,050 MAX	SEE NOTES
ACCU–1	AS SHOWN	OUTDOOR	DAIKIN	RX09QMVJU	9,000	9,000	LOW ROOF	13.0		208/230V	4.58/1,050 MAX	SEE NOTES

NOTES:

1. PROVIDE WITH INTERNAL CONDENSATE PUMP, PIPE DISCHARGE TO JANITOR SLOP SINK.
2. PROVIDE WITH LOW AMBIENT OPERATION KIT (–20°F).
3. OUTDOOR UNIT ON ROOF SHALL BE MOUNTED ON RAILS.
4. PROVIDE WITH ACCESSORY COVER TO CONCEAL PIPING.
5. PROVIDE CRANKCASE HEATER.
6. PROVIDE WINTER START KIT.
7. PROVIDE ISOLATION KIT.
8. PROVIDE TEMPERATURE CONTROL, WIRELESS OPTION.
9. INSTALLATION OF SPLIT SYSTEM MUST BE PER MANUFACTURERS INSTRUCTIONS.

COMMERCIAL PIPE INSULATION SCHEDULE

	FIBERGLASS PRE FORMED –K=0.26		
	INSTALLED THICKNESS (IN.)		
	FACING	< 1½"	> 1½"
CHS, CHR (40–60°F)	GLASS MAT	1"	1½"
HWS, HWR (100–211°F)	GLASS MAT	1"	2"
RUNOUTS (UP TO 48")	GLASS MAT	½"	½"
COOLING CONDENSATE	––	½"	½"

COMMERCIAL DUCT INSULATION SCHEDULE

	FACING	R VALUE INSIDE BUILDING ENVELOPE (AFTER INSTALLATION)	R VALUE OUTSIDE BUILDING ENVELOPE (AFTER INSTALLATION)
SUPPLY AIR	FSK*	R–5	R–8
RETURN AIR	FSK*	R–5	R–8
OUTDOOR INTAKE	FSK*	R–5	R–8
EXHAUST	––	––	––

* – FOIL–SCRIM KRAFT

ELECTRIC UNIT HEATER SCHEDULE

"QMARK MARLEY" AS STANDARD

UNIT NO.	UNIT TYPE	CFM	KW	ELECTRICAL DATA		MODEL	REMARKS
				VOLTS	PHASE		
EUH–1	HORIZONTAL DISCHARGE UNIT HEATER	350	5	208	1ø	MUH0531	SEE NOTE 1

NOTES:

1. CONTROLS SHALL BE STANDARD THERMOSTAT SET AT 60°F THROUGH THE BMS.
2. PROVIDE BACKING PLATE. COORDINATE IN FIELD.

AIR OUTLET SCHEDULE

DESIGNATION AND SYMBOL	CFM RANGE	NECK SIZE ROUND	FACE SIZE	APPLICATION	MANUF. & MODEL NO.	ACCESSORIES	FRAME TYPE	MAX S.P.	FINISH	REMARKS
⊠ CD–1	50–98 100–200 201–385 390–600 601–750	6" 8" 10" 12" 14"	24x24 24x24 24x24 24x24 24x24	SUPPLY AIR CEILING DIFFUSER	TITUS OMNI–NA	OPPOSED BLADE DAMPER	BORDER TYPE–3	0.040	#25 OFF–WHITE	
LCD–1	AS INDICATED	AS INDICATED		SUPPLY AIR LINEAR DIFFUSER	TITUS ML–37					
CD–2	AS INDICATED	8"ø	24x24	LAMINAR FLOW DIFFUSER	TUTLE & BAILEY TENSOR					
ER–1 RR–1 BR–1	100–170 175–275 280–420 450–800 850–1800 ABOVE	14"x18"	8x8 10x10 12x12 24x12 24x24 SEE PLANS	RETURN/ EXHAUST AIR CEILING REGISTER	TITUS 4 FL	AG–35AA OPPOSED BLADE DAMPER	TYPE–3A	0.100	ALUM.	
SR–1	AS INDICATED	AS INDICATED	---	SUPPLY AIR SIDEWALL OR CEILING REGISTER	TITUS 122RS	AG–15 OPPOSED BLADE DAMPER	TYPE–3A	0.100	ALUM.	
ER–2	AS INDICATED	AS INDICATED	---	RETURN/ EXHAUST AIR SIDEWALL TOP REGISTER	TITUS 4 FL	AG–35AA OPPOSED BLADE DAMPER	TYPE–3A	0.100	ALUM.	INSTALL 6" B.F.C. U.N.O.
TG/CG	AS INDICATED	AS INDICATED	---	RETURN AIR CEILING GRILLE	TITUS 4 FL	NO DAMPERS	TYPE–3A	0.050	ALUM.	

EXHAUST FAN SCHEDULE

"GREENHECK" AS STANDARD OR APPROVED EQUAL

UNIT NO.	SERVICE	LOCATION	CFM	E.S.P. (IN.)	DRIVE	FAN RPM	FAN BHP	MOTOR HP (W)	ELEC. DATA V/PH	MODEL NO.	REMARKS
EF–1	MEDICAL WASTE STOR.	ROOF	450	0.25	VG DIRECT	850	0.03	1/4	120/1	CUE–100–VG	SEE NOTES
EF–2	SALLY PORT EXHAUST	ROOF	2250	0.25	BELT	553	0.23	1/3	120/1	CUBE–200	SEE NOTES
EF–3	CHEM STORAGE	ROOF	355	0.25	DIRECT	1,300	0.06	--	120/1	G–095–G	SEE NOTES

NOTES:

1. PROVIDE NEMA–1 SERVICE DISCONNECT SWITCH FOR ALL FANS.
2. ALL FANS SHALL HAVE THERMAL OVERLOAD PROTECTION.
3. PROVIDE PREFAB ROOF CURBS.
4. PROVIDE ALL "EF" FANS WITH WALL TOGGLE SWITCH WITH PILOT LIGHT.
5. EF–2 SHALL OPERATE VIA CO2 SENSOR FURNISH AND INSTALLED BY ATC SUB–CONTRACTOR. INTERLOCK OPERATION WITH WSHP–7 OUTSIDE AIR DAMPER.
6. ALL FANS TO HAVE VFD'S.

ENERGY RECOVERY EXHAUST FAN SCHEDULE

BASED ON GREENHECK

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION						HOT WATER COIL - RUNAROUND LOOP DATA - 30% PG						PLEATED PANEL FILTERS			REMARKS
														SUMMER			FLOW RATE GPM	WINTER					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*	EWT °F	LWT °F	CAPACITY (MBH)		EWT °F	LWT °F	CAPACITY (MBH)	TYPE	SIZES (IN)	DEPTH (IN)	
1	ERF–1	VEKTOR–MH–15–9–70	2,500	2.202	2,444	2.92	1507	5	208/60/3	TF	1725	1	16.7	82	78	21.4	12.5	25	42	97.3	MERV 8	2 - 20x15	2	SEE NOTES
1	ERF–2	VEKTOR–MH–18–9–85	3,900	2.207	1,855	3.71	2295	5	208/60/3	TF	1725	1	16.7	80	77	26.6	19.5	31	46	136.2	MERV 8	2 - 20x14	2	SEE NOTES

1. *NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"
2. PROVIDE WITH VFD DRIVE.

ELECTRIC DUCT HEATER SCHEDULE

UNIT NO.	AREA SERVED	LOCATION	TYPE	CFM	E.A.T. (F)	L.A.T. (F)	kW	COIL WxH	NUMBER OF STAGES	V/PH	MANUFACTURER & MODEL NUMBER	REMARKS
ERC–1	CT/XRAY	CT/XRAY	OPEN COIL	1700	80	90	5.0	20x12	SCR	208/1	INDEECO QUA	
ERC–2	AUTOPSY ASSIST	AUTOPSY ASSIT	OPEN COIL	540	77	92	2.5	12x10	SCR	208/1	INDEECO QUA	

NOTES:

1. PROVIDE FACTORY MOUNTED CONTROL TRANSFORMER, THERMAL CUTOUTS, MANUAL RESETS, AIRFLOW SWITCH, DISCONNECT SWITCH, PILOTS LIGHTS AND ALL OTHER APPURTENANCES REQUIRED FOR A COMPLETE WORKING SYSTEM.
2. ALL ELECTRICAL REHEAT COILS SHALL HAVE SCR CONTROL WITH DUCT SENSOR.

ERF–1 & ERF–2 : SELECTED OPTIONS AND ACCESSORIES
Bypass Air Plenum - Double Wall, 316 SS, Side Exhaust Intake
Coated with LabCoat, RAL7023, Entire Unit
Switch - NEMA-3R, Toggle, For Indoor or Outdoor Use, Mounted and Wired
UL/cUL-705 - "Power Ventilators"
Shaft Material - Turned and Polished Steel with Protective Coating
Fan Panel Material - Coated Steel
Isolation Damper - HCD-130-LE, Galvaneal, Coated, 30 in. x 28 in., Parallel Blades, mounted in BAP, one per fan
Isolation Damper Act. - Electric, 24 VAC, 2 pos., SR, w/o Transformer, Model: EFB24, Qty: 1
Sure-Aire Flow Station (No Electronics), Qty 1
Factory Vibration Test, 0.10 in/sec, peak, filter-in as measured at the fan RPM
Extended Lube Lines - Nylon
Motor Cover - with Hinged Removable Access Panel
Wind Speed Level 125 mph without guy wires
ERS Plenum

EXPANSION TANK SCHEDULE

EQUIPMENT BASED ON: TACO OR APPROVED EQUAL

UNIT NO.	SERVICE	LOCATION	MANUFACTURER'S MODEL NO.	OPERATING WEIGHT (LBS)	DIMENSIONS, INCHES (DIAM X H)	TANK VOLUME, GALLONS	TANK ACCEPTANCE VOLUME, GALLONS	FILL PRESSURE, PSIG	REMARKS
ET–1	SOURCE SYSTEM	MER 121	CA 215	765	20x64	57	57	30	
ET–2	DTS SYSTEM	MER 121	CA 90	312	20x29	23	23	20	
ET–3	RHC HW SYS	MER 121	CA 90	312	20x29	23	23	12	PLAIN WATER

NOTES:

1. TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION VIII OF THE ASME BOILER AND VESSEL CODE AMD STAMPED FOR 125 PSIG WORKING PRESSURE.
2. RELIEF VALVE SHALL BE SET AT 80 PSIG.

GRAVITY VENTILATOR SCHEDULE

TAG	LOCATION	SERVICE	CFM	MAX P.D. (IN. WC)	THROAT SIZE (IN.)	ROOF CURB (IN.)	MATERIAL	MODEL	MANUFACTURER	REMARKS
RV–1	ROOF	OA (AHU–1)	2,300	0.12	14 X 34	16 X 30	ALUMINUM	FGI–14x34	GREENHECK	SEE NOTES
RV–2	ROOF	OA (AHU–2)	3,700	0.12	22 X 40	22 X 40	ALUMINUM	FGI–20x38	GREENHECK	SEE NOTES
RV–3	ROOF	OA (ERV–2)	1,275	0.12	16 X 20	32 X 20	ALUMINUM	FGI–14x18	GREENHECK	SEE NOTES
RV–4	ROOF	OA (WSHP–7)	1600 MAX 150 MIN	0.12	18 X 22	12 X 34	ALUMINUM	FGI–10x32	GREENHECK	SEE NOTES

NOTES:

1. PROVIDE WITH INTEGRAL INSECT SCREEN
2. INSTALL ON 18" HIGH ROOF CURBS.
3. PROVIDE WITH MOTORIZED DAMPERS, LINKED TO RESPECTIVE AHU'S AND WSHP'S CONTROLS.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

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FP&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design
FE PROJECT #: 20–335

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ORANGE COUNTY, NEW YORK

SHEET TITLE
HVAC SCHEDULES

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
OSCEOLA, NY 11054

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
H802

GENERAL NOTES:

1. ALL CONDUITS ARE SHOWN DIAGRAMMATICALLY, EXACT RUNS SHALL BE DETERMINED IN FIELD EXCEPT WHERE SPECIFICALLY DIMENSIONED ON CONDUIT LAYOUTS. CONTRACTOR SHALL FOLLOW MINIMUM SPACING REQUIREMENTS TO REDUCE ELECTROMAGNETIC INTERFERENCE. COORDINATE CONDUIT ROUTING WITH ALL OTHER TRADES.
2. ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING WALLS AND BEAMS EXCEPT WHERE OTHERWISE SHOWN. CONTRACTOR SHALL INSTALL CONDUIT IN SUCH A MANNER TO AVOID ALL INTERFERENCES.
3. DEFLECTION/EXPANSION FITTINGS SHALL BE PROVIDED WHERE RIGID METAL CONDUIT CROSSES STRUCTURAL EXPANSION JOINTS.
4. EXPOSED CONDUIT SHALL BE SUPPORTED ON WALLS OR CEILINGS BY APPROVED HANGERS OF ANGLE OR CHANNEL CONSTRUCTION. CONDUITS SHALL BE SUPPORTED AT LEAST EVERY EIGHT (8) FEET.
5. ALL SPARE CONDUITS SHALL BE TERMINATED AS SHOWN ON CONDUIT LAYOUTS AND SHALL BE CAPPED 3" ABOVE FINISHED FLOOR.
6. NO CONDUIT SHALL BE SMALLER THAN ¾" UNLESS NOTED OTHERWISE ON PLANS.
7. EXACT CONDUIT STUB–UP LOCATIONS ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR BASED ON CERTIFIED MANUFACTURER'S DRAWINGS OF THE RESPECTIVE EQUIPMENT. CONDUIT SHALL BE INSTALLED TO AGREE WITH EQUIPMENT FURNISHED.
8. ALL LIGHTING WIRING SHALL BE #12AWG. UNLESS OTHERWISE NOTED. THE NUMBER OF WIRES SHOWN ON THE DRAWINGS IS NOT NECESSARILY THE CORRECT NUMBER REQUIRED. THE CONTRACTOR SHALL INSTALL AS MANY AS ARE NECESSARY FOR PROVIDING A COMPLETE ELECTRICAL SYSTEM IN EACH CASE.
9. CONDUITS PASSING THROUGH BUILDING FLOORS OR WALLS BELOW GRADE ARE TO BE INSTALLED WITH WATERTIGHT THRU WALL CONDUIT SEAL FITTINGS.
10. EQUIPMENT FURNISHED BY OTHERS SHALL BE INSTALLED & ENERGIZED BY THE ELECTRICAL CONTRACTOR.
11. THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
12. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES AND PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE MADE.
13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE VERSION OF THE NEC AS WELL AS ALL STATE AND LOCAL CODES.
14. THE DRAWINGS INDICATE AND THE SPECIFICATIONS DESCRIBE THE GENERAL ARRANGEMENTS AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF THE WORK.
16. ARRANGE FOR SITE VISIT WITH THE BLDG. OWNER REPRESENTATIVE AND GENERAL CONTRACTOR.
17. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS SHALL NOT BE PAID FOR BY ANY OTHER PARTY.
18. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. CONDUIT OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED–FURNISH PULL STRING.
19. DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F (0 DEG C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
20. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. INSTALL SWITCH ON SIDE OPPOSITE HINGE; VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
21. SUPPORT PANEL, JUNCTION & PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
22. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
23. FOR EACH LOCATION OF OTHER TRADES EQUIPMENT, SEE RESPECTIVE TRADE DRAWINGS.
24. FOR RECEPTACLE & OUTLETS MOUNTING HEIGHTS AND POSITION (HORIZONTAL, VERTICAL), COORDINATE WITH ARCHITECT, OWNER, REPRESENTATIVE & DATA/ COMMUNICATION CONSULTANT.
25. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAILS SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE WORKABLE SYSTEM.
26. ALL CONDUITS, TRANSFORMERS ETC. SHALL BE SUPPORTED FROM STRUCTURAL STEEL ONLY. COORDINATE WITH GENERAL CONTRACTOR.
27. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT IN ELECTRICAL AND SERVICE SWITCHBOARD ROOM SHALL BE INSTALLED ON 4" CONCRETE PAD AS REQUIRED TO SUPPORT EACH SECTION OF EQUIPMENT. COORDINATE WITH GENERAL CONTRACTOR.
28. PROVIDE BARRIERS IN ALL PULL BOXES FOR CONDUIT SETS.
29. PAINT AND RUST PROOF ALL HARDWARE & CONDUITS ON ROOF AND IN EXPOSED AREAS AS DIRECTED BY GENERAL CONTRACTOR.
30. NUMBER SHOWN ADJACENT TO LIGHTING FIXTURES, RECEPTACLES, OUTLETS, JUNCTION BOXES ETC. INDICATES CIRCUIT NUMBER.
31. ALL GROUND CONNECTIONS TO THE BUILDING STEEL SHALL BE EXOTHERMIC WELDED.
32. FLEXIBLE CONNECTIONS IN EXPOSED AREAS SHALL NOT EXCEED 18" MAXIMUM.
33. ALL EQUIPMENT DEVICES, WIRING, ETC. SHOWN ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
34. ELECTRICAL CONTRACTOR SHALL PROVIDE SLEEVES/ OPENINGS FOR ALL CONDUIT RISERS PENETRATING WALLS, ROOF & FLOOR SLABS. ALL ROOF AND MECH. ROOMS SLAB PENETRATIONS SHALL BE WATERPROOF. METHOD OF PENETRATIONS & FIRE/WATER WATER PROOFING SHALL BE APPROVED BY ARCHITECT AND STRUCTURAL ENGINEER, COORDINATE WITH GENERAL CONTRACTOR.
35. ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH OWNERS BUILDING STANDARDS FOR CONSTRUCTION.
36. ALL FINAL CONNECTIONS TO VIBRATING EQUIPMENT (MOTORS, GENERATORS ETC.) SHALL BE THROUGH A LIQUID TIGHT FLEXIBLE METAL CONDUIT.
37. CONTRACTOR SHALL WIRE NO MORE THAN EIGHT CONVENIENCE RECEPTACLES TO A 20A SINGLE POLE CIRCUIT. UTILIZE 2–#12&1 #12 GND IN ¾" CONDUIT & 1–20A SINGLE POLE CIRCUIT BREAKER FOR EACH CIRCUIT. INSTALL ADDITIONAL CIRCUIT AS NECESSARY TO MEET THIS REQUIREMENT.
38. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
39. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
40. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
41. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.

LEGEND AND SCHEDULE OF FIRE ALARM EQUIPMENT

SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
P	FIRE–LITE	BG–12	ADDRESSABLE MANUAL DUAL–ACTION PULL STATION WITH HEX LOCK. RED
CO	SYSTEM SENSOR	CO1224TR	CARBON MONOXIDE DETECTOR WITH DUAL COLOR LED INDICATOR THAT BLINKS TO INDICATE NORMAL STANDBY, ALARM, OR END–OF–LIFE. WHEN THE SENSOR SUPERVISION IS IN A TROUBLE CONDITION, THE DETECTOR SHALL SEND A TROUBLE SIGNAL TO THE PANEL.
DS	FIRE–LITE	D335PL	ADDRESSABLE NON–RELAY PHOTOELECTRIC DUCT SMOKE DETECTOR. PROVIDE WITH APPROPRIATELY SIZED METAL SAMPLING TUBE AND ALL OTHER APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. DUCT SMOKE DETECTOR, SUPPLIED AND WIRED BY E.C. INSTALLED BY M.C. COORDINATE INSTALLATION WITH M.C.
S	SYSTEM SENSOR	SRL	STROBE WITH SELECTABLE 15,30,75,95,110, 135, AND 185 cd OUTPUT. RED INDOOR USE ONLY.
H/S		P2RL	HORN–STROBE WITH SELECTABLE 15,30,75, 95,110,135, AND 185 cd STROBE OUTPUT AND SELECTABLE 83–90 db HORN OUTPUT. RED. INDOOR USE ONLY.
M	TBD	TBD	CO2 SENSOR
RA	FIRE–LITE	ANN–80	REMOTE ANNUNCIATOR WITH 80–CHARACTER BACKLIT LCD DISPLAY.

NOTES:
1. PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE THEN TWO STROBES ARE VISIBLE THEY SHALL FLASH IN SYNCH.
2. STROBES MUST BE PLACED 15' FROM THE END OF ANY CORRIDOR.

LEGEND AND SCHEDULE OF LIGHTING EQUIPMENT

SYMBOL	MANUFACTURER	MODEL #	DESCRIPTION
$	WATTSTOPPER	LMSW–101	DLM PUSH–BUTTON WALL SWITCH. COVER BY ARCHITECT.
		DSW–301	LINE VOLTAGE PUSH–BUTTON WALL SWITCH WITH INTEGRAL DUAL–TECHNOLOGY VACANCY SENSOR. COLOR BY ARCHITECT.
		LMDC–100	DLM DUAL–TECHNOLOGY CEILING SENSOR, SET TO MANUAL–ON OPERATION.
RC1		LMRC–101	DLM ON/OFF SINGLE RELAY ROOM CONTROLLER. MOUNT ABOVE FINISHED CEILING ABOVE LOCAL LIGHT SWITCH. FOR ROOMS WITHOUT FINISHED CEILING, MOUNT INCONSPICUOUSLY AT/NEAR CEILING.
RC2D		LMRC–212	DLM ON/OFF/0–10V DIMMING DUAL RELAY ROOM CONTROLLER. MOUNT ABOVE FINISHED CEILING ABOVE LIGHT SWITCH. FOR ROOMS WITHOUT FINISHED CEILING, MOUNT INCONSPICUOUSLY AT/NEAR CEILING.
TC–# TC–1, TC–2	TORK	EWZ–201	INDOOR/OUTDOOR ASTRONOMIC TIMECLOCK WITH 2 SETS OF 40A SINGLE POLE SINGLE THROW CONTACTS. NEMA 3R RATED.

LEGEND & SCHEDULE OF GENERATOR EQUIPMENT

SYMBOL	MANUFACTURER	MODEL#	DESCRIPTION
G G–1	GENERAC	SG500	500KW 208/120V DIESEL GENERATOR. PROVIDE NEMA 2 SOUND ATTENUATED ENCLOSURE. PROVIDE WITH 1600A MAIN LINE CIRCUIT BREAKER AND 60A, SECONDARY MAIN LINE CIRCUIT BREAKER
ATS–1	ASCO	H–03ATS–A–3–1600–C–G0–C	1600A, 120/208V, 3ø, 4W SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH
ATS–2	ASCO	D–03ATS–A–3–0070–C–G0–C	60A, 120/208V, 3ø, 4W AUTOMATIC TRANSFER SWITCH

POWER SYMBOLS

- SPEC GRADE NEMA 5–20R RECEPTACLE. –GFI INDICATES GROUND FAULT INTERRUPTION –WP INDICATES WEATHER PROOF ENCLOSURE
- SPEC GRADE NEMA 5–20R RECEPTACLE. MOUNT AT 44" AFF OR 6" ABOVE COUNTER, UNO. –GFI INDICATES GROUND FAULT INTERRUPTION –WP INDICATES WEATHER PROOF ENCLOSURE
- 2P, 3 WIRE, 250V GROUNDING NEMA 6–30R RECEPTACLE. –GFI INDICATES GROUND FAULT INTERRUPTION –WP INDICATES WEATHER PROOF ENCLOSURE
- 1P, 3 WIRE, 125V QUAD RECEPTACLE. –GFI INDICATES GROUND FAULT INTERRUPTION –WP INDICATES WEATHER PROOF ENCLOSURE
- SPECIAL PURPOSE CONNECTION.
- J — JUNCTION BOX, SIZE PER N.E.C.
- 3P, FUSED DISCONNECT SWITCH, FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SHALL HAVE THE SAME # OF POLES & AMPERE RATING AS CONNECTING CIRCUIT UNLESS OTHERWISE NOTED.
- CONDUIT HOME RUN TO DESIGNATED PANEL. REFER TO PANEL SCHEDULE FOR CONDUIT & CABLE QUANTITY AND SIZE.
- DOUBLE HOME RUN
- TRIPLE HOME RUN
- GROUND
- TRANSFORMER
- $_m — 120V, OR 208V, 1P, MOTOR STARTER WITH OVERLOADS TO SERVE AS DISCONNECTING MEANS. COORDINATE WITH OTHER TRADES.
- 100A–1P — CIRCUIT BREAKER – 100A TRIP – SINGLE POLE
- 100A–3P — FUSE SWITCH – 100A FUSE – 3 POLE
- MOTOR
- M — ELECTRIC METER
- D0 — AUTOMATIC DOOR OPENER PUSH BUTTON. MOUNTED AT ADA HEIGHT. PROVIDE WIRING TO DOOR OPERATOR PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- X / XX — INDICATES SECTION LETTER / INDICATES DRAWING NUMBER WHERE LOCATED

ELECTRICAL LINE TYPES

- NEW DEVICE
- NEW WIRING
- NEW FIXTURE
- UNDERGROUND POWER
- UNDERGROUND COMMUNICATIONS

WIRE & CONDUIT SCHEDULE

TAG	FEEDER SIZE	WIRE AND CONDUIT
P	PRIMARY CONDUCTORS PER UTILITY COMPANY STANDARDS IN 5" CONDUIT	
A	1600A	4 SETS OF: (4) #600 MCM CU, (1) 3/0 GND. (1) 3 1/2" CONDUIT
B	600A	2 SETS OF: (4) #350 MCM (1) #1 GND. (1) 2½" CONDUIT
C	400A	(4) #500 KCMIL CU, (1) #3 GND. (1) 4" CONDUIT
D	200A	(4) 3/0 CU, (1) #6 GND, (1) 2" CONDUIT
E	60A	(3) #6, (1) #10 GND, (1) 1" CONDUIT
F	– – –	(4) 4" CONDUIT WITH PULL STRING FOR COMMUNICATIONS
SS	––	(6) #14AWG CU, (1) 3/4" CONDUIT
RA	––	REFER TO GENERAL MANUFACTURER'S WRITTEN INSTRUCTIONS.

* INDICATES SERVICE ENTRANCE CONDUCTORS, GROUNDING CONDUCTOR CAN BE OMITTED.

ABBREVIATIONS

A	AMPERE	LED	LIGHT–EMITTING DIODE
ACT	ACOUSTIC CEILING TILE	LP	LIGHTING PANEL
AD	AUTOMATIC DAMPER	LTG	LIGHTING
AF	AMPERE FRAME	M.C.	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	MCM	THOUSAND CIRCULAR MILS
AIC	AMPERE INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
AL	ALUMINUM	MECH	MECHANICAL
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
AUTO	AUTOMATIC	MLO	MAIN LUGS ONLY
AWG	AMERICAN WIRE GAUGE	MTD	MOUNTED
BCW	BARE COPPER WIRE	MTG	MOUNTING
C	CONDUIT	N	NEUTRAL
CAT	CATALOG	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NEC	NATIONAL ELECTRIC CODE
CKT	CIRCUIT	NTS	NOT TO SCALE
CLG	CEILING	NM	NON–METALLIC CONDUIT
CT	CURRENT TRANSFORMER	P	POLE
CU	COPPER	PB	PULL BOX
DP	DISTRIBUTION PANEL	ø	PHASE
DF	DRINKING FOUNTAIN	PWR	POWER
DIV	DIVISION	RECEPT.	RECEPTACLE
DS	DISCONNECT (LOCKOUT) SWITCH	REQ.	REQUIRED
DWG	DRAWING	RM	ROOM
EA	EACH	SCHED.	SCHEDULE
E.C.	ELECTRICAL CONTRACTOR	SECT.	SECTION
ELEV	ELEVATOR	SPEC.	SPECIFICATION
EQUIP.	EQUIPMENT	SPKR.	SPEAKER
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
FA	FIRE ALARM	SWBD	SWITCH BOARD
FAP	FIRE ALARM PANEL	SYS	SYSTEM
FL	FLOOR	TBD	TO BE DETERMINED
FT	FEET OR FOOT	TEL	TELEPHONE
G, GND	GROUND	TC	TIME CLOCK
GEN.	GENERATOR	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPTER	U.N.O.	UNLESS NOTED OTHERWISE
G.C.	GENERAL CONTRACTOR	UPS	UN–INTERRUPTABLE POWER SUPPLY
HP	HORSEPOWER	VIF	VERIFY IN FIELD
HVAC	HEATING, VENTILATING & AIR CONDITIONING	WP	WEATHER PROOF
HZ	HERTZ	W	WATT
IC	INTERRUPTING CAPACITY	XFMR/ TRANSF.	TRANSFORMER
IMC	INTERMEDIATE METAL CONDUIT		
KV	KILO VOLT		
KVA	KILO VOLT AMP		
KW	KILO WATT		

LEGEND AND SCHEDULE OF LIGHTING EQUIPMENT

SYMBOL	MANUFACTURER	MODEL #	DESCRIPTION
A	MERCURY LIGHTING	LRW–24G–4000–35K–1%–UNI	2'x4' LED TROFFER. 4000 LUMENS, 4000K CCT, 80+CRI, 120/277V WITH 0–10V DIMMING DRIVER.
A–EM	MERCURY LIGHTING	LRW–24G–4000–35K–1%–UNI–EM10	SAME AS 'A' ABOVE WITH INTEGRAL BATTERY PACK.
A1	LITHONIA LIGHTING	EPANL–2x4–6000LM–80CRI–35K–MIN10–ZT–MVOLT	2'x4' EDGE LIT FLAT PANEL 6000 LUMENS, 4000K CCT, 80+CRI, 120/277V WITH 0–10V DIMMING DRIVER.
A1–EM	LITHONIA LIGHTING	EPANL–2x4–6000LM–80CRI–35K–MIN10–ZT–MVOLT–EM10WCP	SAME AS 'A1' ABOVE WITH INTEGRAL BATTERY PACK.
B	MERCURY LIGHTING	LRW–22G–4000–35K–1%–UNI	2'x2' LED TROFFER. 4000 LUMENS, 4000K CCT, 80+CRI, 120/277V WITH 0–10V DIMMING DRIVER.
C	LITHONIA LIGHTING	LBR6–AL03–SWW1–AR–MVOLT–UGZ–90CRI	6" LED DOWNLIGHT WITH 2000/2500/3000 SELECTABLE LUMENS, 4000K CCT, 90+CRI, 120/277V WITH 0–10V DIMMING DRIVER.
D	LUMENWERX	UBIR–D–MBPL–SW–90–750–35–8FT–UNV–D1–1	8' RECESSED PARABOLIC LOUVER. 750 LUMENS/FT, 4000K CCT, 90+CRI, 120–277V WITH 1% 0–10V DIMMING DRIVER.
E	MERCURY LIGHTING	LW3–4–4500–3K–1%–UNI	4' SUSPENDED FIXTURE. 4500 LUMENS, 4000K CCT, 120/277V WITH 0–10V 1% DIMMING DRIVER.
E1	MERCURY LIGHTING	LW3–6–4500–3K–1%–UNI	6' SUSPENDED FIXTURE. 4500 LUMENS, 4000K CCT, 120/277V WITH 0–10V 1% DIMMING DRIVER.
E2	MERCURY LIGHTING	LW3–8–4500–3K–1%–UNI	8' SUSPENDED FIXTURE. 4500 LUMENS, 4000K CCT, 120/277V WITH 0–10V 1% DIMMING DRIVER.
F	EXTANT	HTG–3P–TD–DT–DML–835–VO–DE	RECESSED STRIP FIXTURE, 2200 LUMENS, 4000K CCT, 120/277V WITH 0–10V DIMMING DRIVER.
G	BROWNLEE	2690–12–BL–H15–BLC–GLW–35K	PENDANT FIXTURE, 1480 LUMENS, 4000K CCT, 120/277V.
H	PER ARCHITECT	PER ARCHITECT	PER ARCHITECT
OEM	LITHONIA LIGHTING	ARC2 LED–P2–30K–MVOLT–E8WC	EXTERIOR WALL PACK LED, 2000 LUMENS, 4000K CCT 120/277V WITH 8 WATT INTEGRAL EMERGENCY BATTERY PACK.
I	ACUITY	J4–40LM–35K–MVOLT–G4–80CRI–ZT–HM–CS	4" HYPERBOLIC LED DOWNLIGHT. 4000 LUMENS, 4000K CCT, 80+CRI, 120/277V WITH 0–10V DIMMING DRIVER, AND CLEAR SPECULAR FINISH.
J	EXTANT	HTG–1P–TD–DML–830–VU–D	WALL MOUNTED COUNTUOUS LED 477 LUMENS/FT, 4000K CCT, 80+CRI, 120–277V WITH 1% 0–10V DIMMING DRIVER.
J1	EXTANT	HTG–1P–TD–DML–830–VU–D–SDL	WALL MOUNTED COUNTUOUS LED 477 LUMENS/FT, 4000K CCT, 80+CRI, 120–277V WITH 1% 0–10V DIMMING DRIVER. PROVIDE WITH DAYLIGHT SENSOR.
K	HE WILLIAMS	75L–4–L38–8–40–DMA	6"x48" LED STRIP LIGHT, 4000 LUMENS, 4000K CCT, SUITABLE FOR DAMP LOCATIONS. 120/277V.
L	H.E. WILLIAMS	S15–0–L6–80–35–FTG–BLK–120V	OUTDOOR WALL LIGHT. 6000 LUMENS, 3500 CCT, 80 CRI, 120V
	H.E. WILLIAMS	EXIT–R–AC–WHT–D	WHITE EXIT FIXTURE WITH RED LETTERING. AC, 120/277V.

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

REVISION SCHEDULE

#	DESCRIPTION	DATE

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NO. 076417

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I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

FE PROJECT #: 20–335

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ORANGE COUNTY, NEW YORK

SHEET TITLE
ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

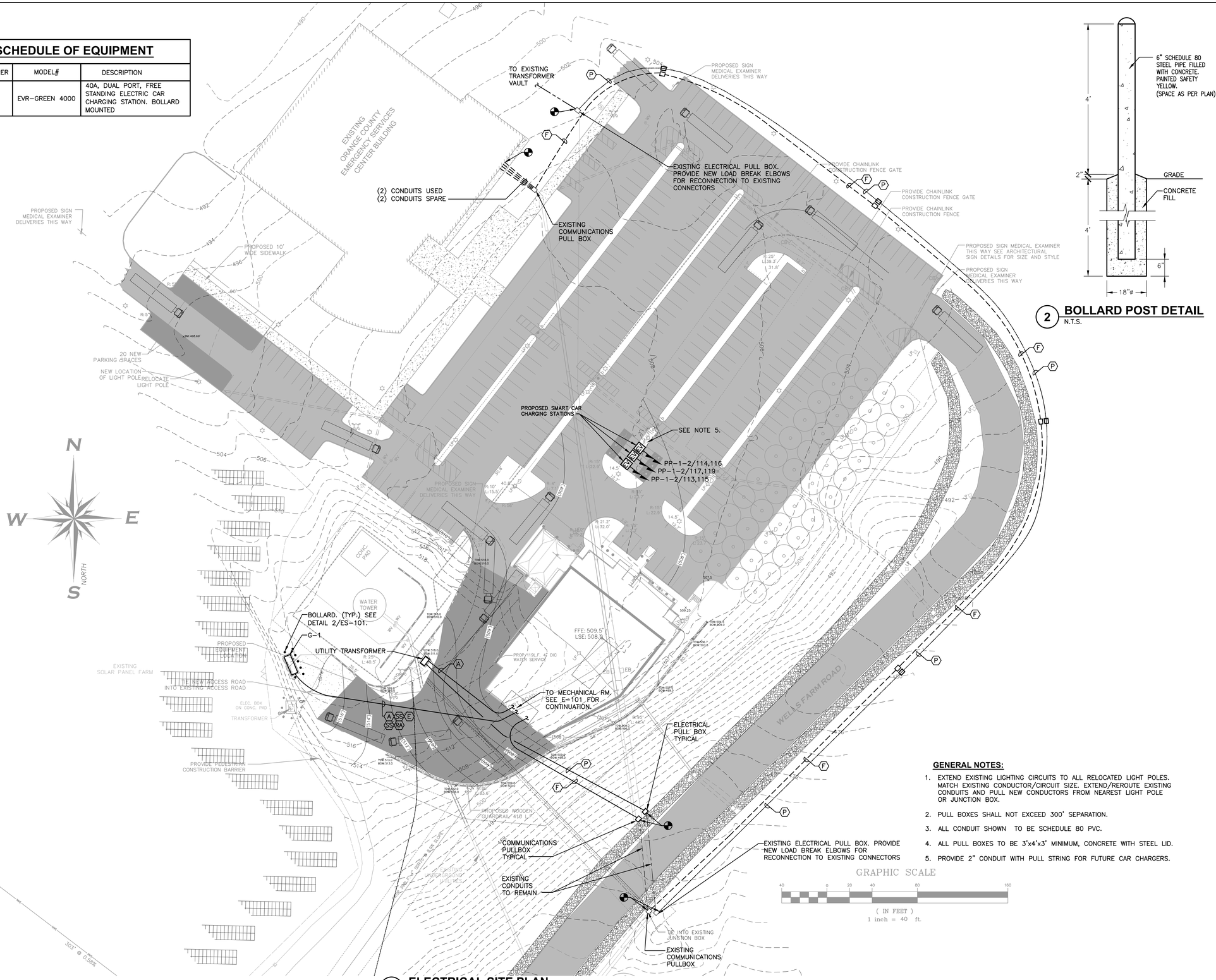
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	WPB
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
E001

LEGEND & SCHEDULE OF EQUIPMENT

SYMBOL	MANUFACTURER	MODEL#	DESCRIPTION
EV	LEVITON	EVR-GREEN 4000	40A, DUAL PORT, FREE STANDING ELECTRIC CAR CHARGING STATION. BOLLARD MOUNTED



1 **ELECTRICAL SITE PLAN**
SCALE: 1"=40'

2 **BOLLARD POST DETAIL**
N.T.S.

GENERAL NOTES:

1. EXTEND EXISTING LIGHTING CIRCUITS TO ALL RELOCATED LIGHT POLES. MATCH EXISTING CONDUCTOR/CIRCUIT SIZE. EXTEND/REROUTE EXISTING CONDUITS AND PULL NEW CONDUCTORS FROM NEAREST LIGHT POLE OR JUNCTION BOX.
2. PULL BOXES SHALL NOT EXCEED 300' SEPARATION.
3. ALL CONDUIT SHOWN TO BE SCHEDULE 80 PVC.
4. ALL PULL BOXES TO BE 3'x4'x3' MINIMUM, CONCRETE WITH STEEL LID.
5. PROVIDE 2" CONDUIT WITH PULL STRING FOR FUTURE CAR CHARGERS.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

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FORENSIC CONSULTANT: crime lab design
M&P CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
IT/SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
FP&E CONSULTANT: CLASSIC CONSULT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

FE PROJECT #: 20-335

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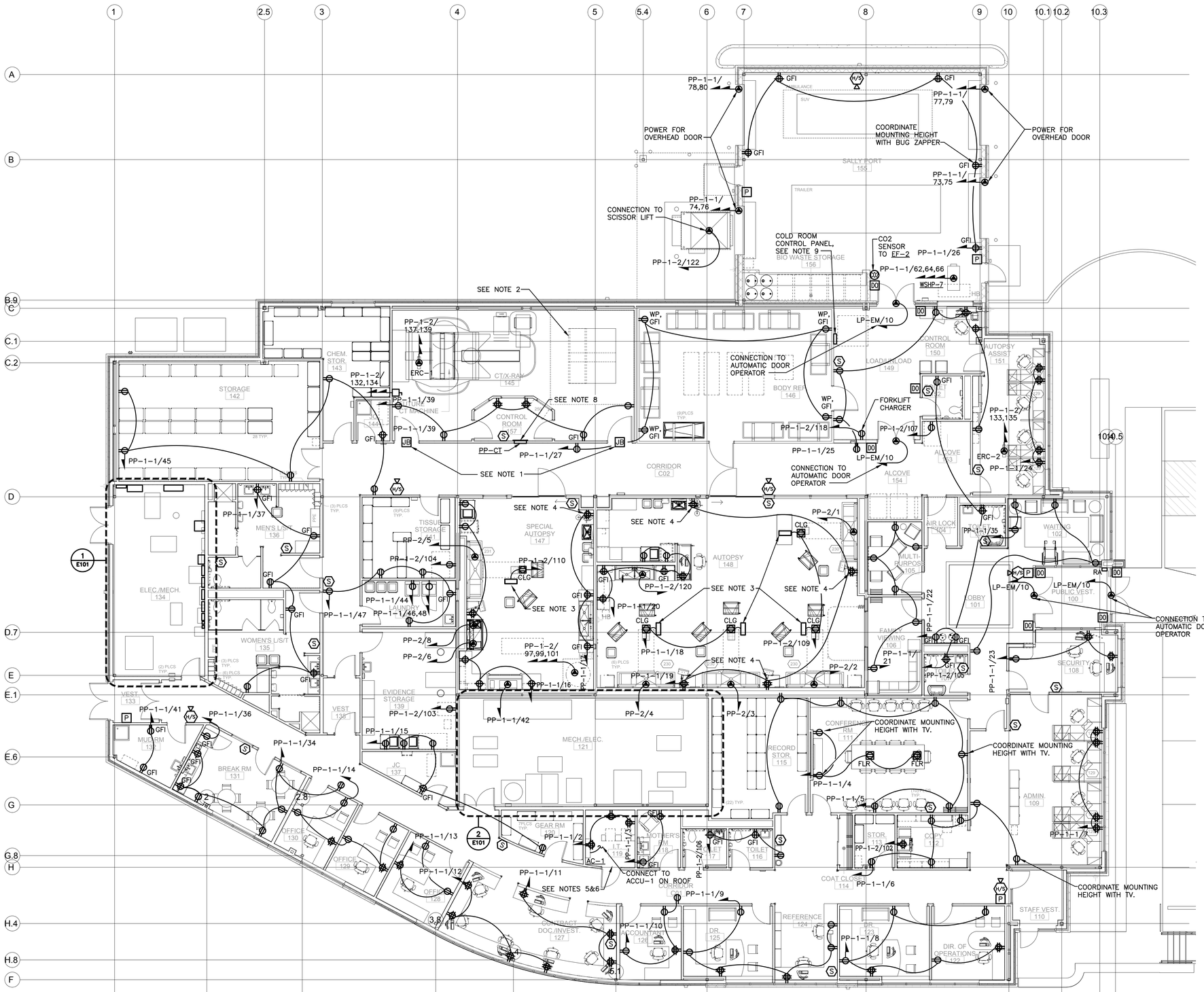
ORANGE COUNTY, NEW YORK

SHEET TITLE
ELECTRICAL SITE PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
ES101



1 ELECTRICAL POWER FLOOR PLAN

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

NOTES:

1. PROVIDE JUNCTION BOX FOR FUTURE X-RAY LIGHT. PROVIDE EMPTY ¾" CONDUIT TO CONTROL ROOM, TERMINATED AT POINT IN COORDINATION WITH OWNER & EQUIPMENT MANUFACTURER.
2. PROVIDE A 4" CONDUIT IN CEILING SPACE FROM ELEC. RM 134 FOR FUTURE CT MACHINE. TERMINATE AND CAP IN CEILING SPACE.
3. PROVIDE CORD REEL COXREELS MODEL EZ-PC13-5012-B OR EQUAL (TYPICAL 1 PER WORK STATION).
4. COORDINATE MOUNTING HEIGHT WITH WORKSTATION.
5. PROVIDE ¾" FIRE RETARDANT PLYWOOD ALONG WALLS FOR LV EQUIPMENT AND PANELS.
6. PROVIDE 12" LONG, ¼" THICK COOPER GROUND BAR.
7. PROVIDE (4)#12, (1)#12GND, IN ¾"C. COORDINATE TERMINATION WITH OWNER AND EQUIPMENT MANUFACTURER.
8. PROVIDE (4)#4, (1)#8GND, IN 1¼"C. COORDINATE TERMINATION WITH OWNER AND EQUIPMENT MANUFACTURER.
9. COORDINATE EXACT LOCATION WITH MANUFACTURE.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

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FP&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M/E/P CONSULTANT: FELLENZER
FORENSIC CONSULTANT: crime lab design
FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

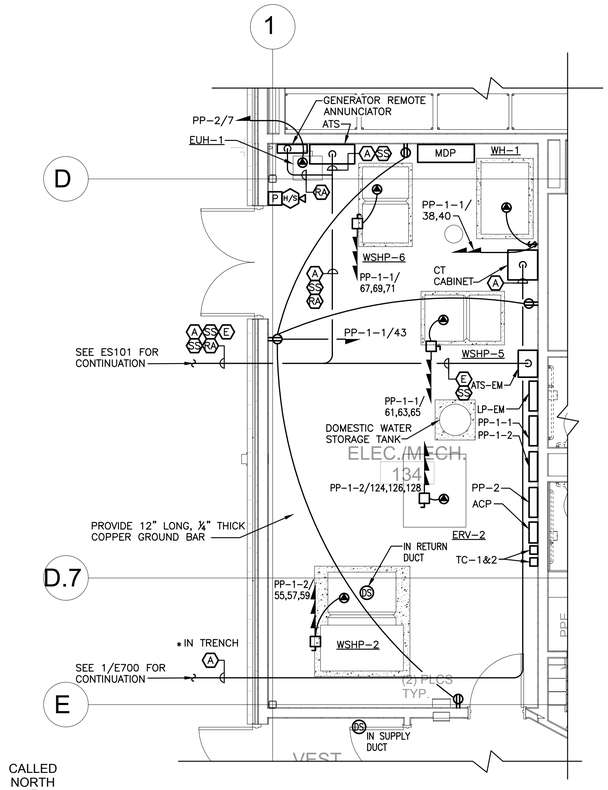
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SHEET TITLE
ELECTRICAL POWER FLOOR PLAN

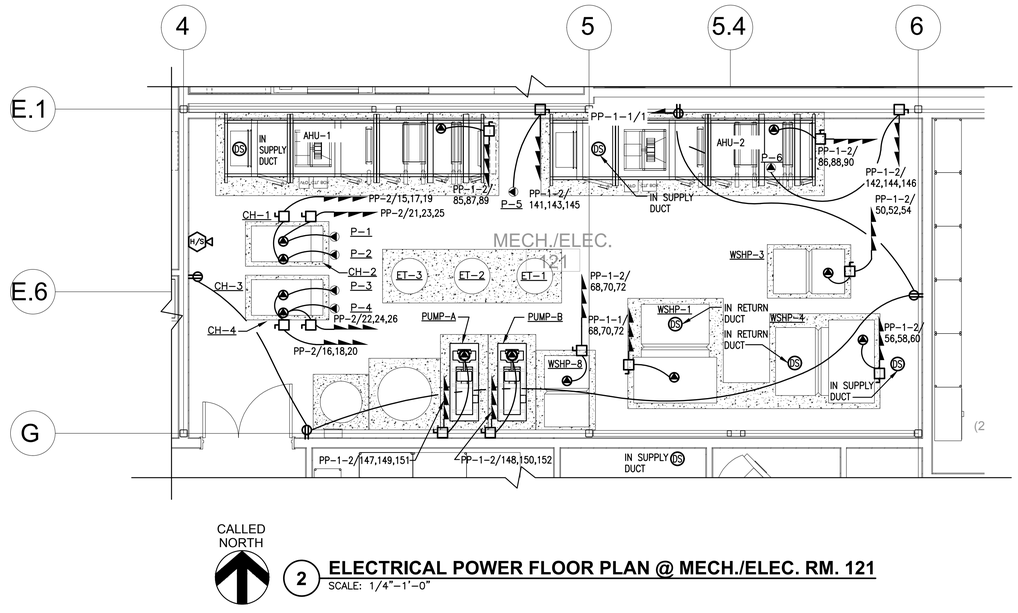
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
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CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
E100



1 ELECTRICAL POWER FLOOR PLAN @ ELEC./MECH. RM. 134
SCALE: 1/4"=1'-0"



2 ELECTRICAL POWER FLOOR PLAN @ MECH./ELEC. RM. 121
SCALE: 1/4"=1'-0"

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NY PROFESSIONAL ENGINEER
FOR THIS PROJECT

ARCHITECT/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 103
Latham, NY 12110
(518) 456-3410
www.hymanhayes.com

FORENSIC CONSULTANT: crime lab design
M&P CONSULTANT: FELLENZER
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
I.T./SECURITY CONSULTANT: CONVERGENT
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

FE PROJECT #: 20-335

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

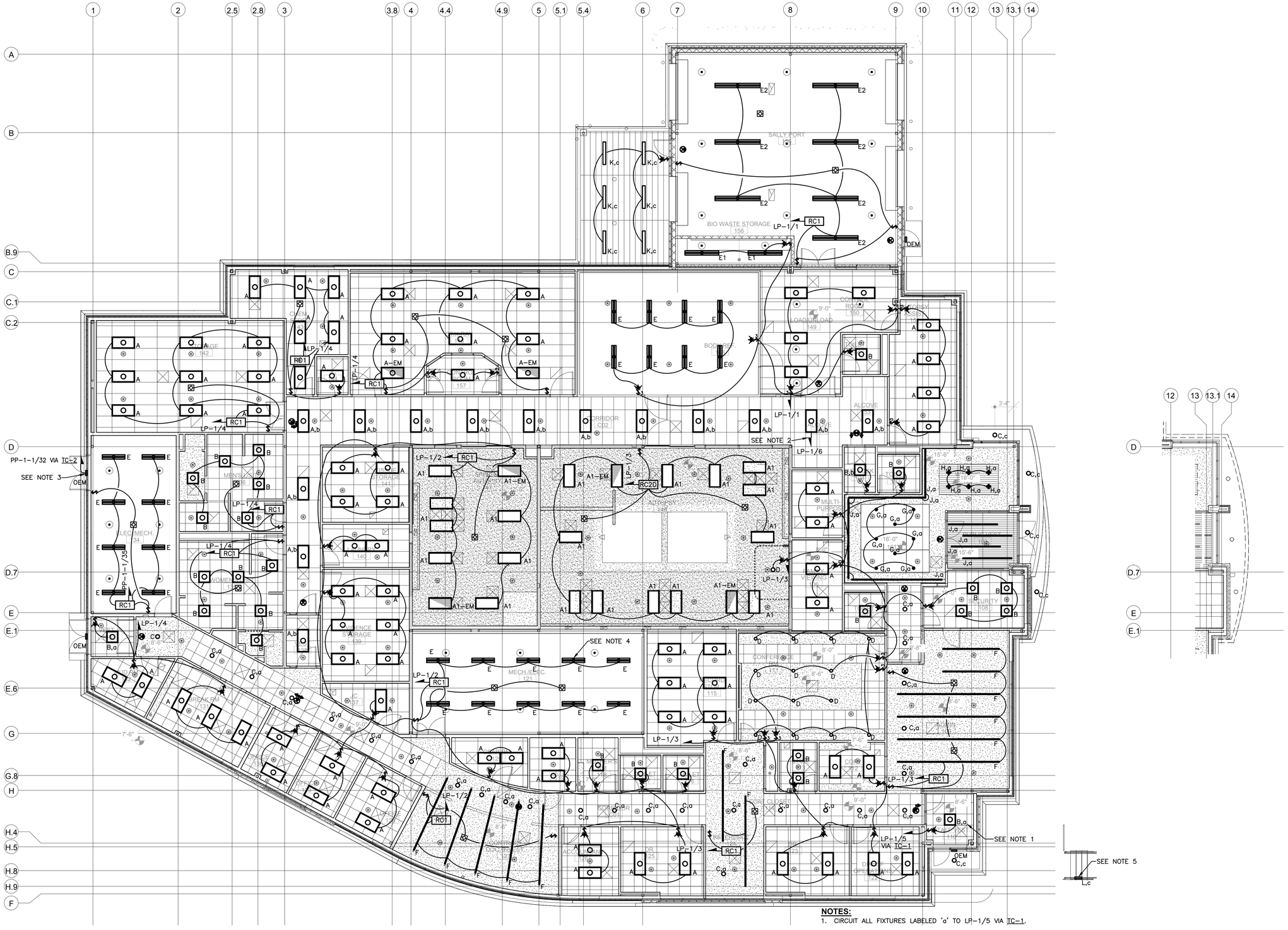
ORANGE COUNTY, NEW YORK

SHEET TITLE
ELECTRICAL POWER FLOOR PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	2071
CLIENT PROJ. NO.:	

SHEET NUMBER
E101



NOTES:

1. CIRCUIT ALL FIXTURES LABELED 'a' TO LP-1/5 VIA TC-1.
2. CIRCUIT ALL FIXTURES LABELED 'b' TO LP-1/6 VIA TC-1.
3. CIRCUIT ALL OEM AND ALL FIXTURES LABELED 'c' TO LP-1/7 VIA TC-2.
4. COORDINATE LIGHT FIXTURE MOUNTING HEIGHT WITH HVAC DUCTWORK AND PLUMBING.
5. RECESSED LIGHT IN WALL. COORDINATE EXACT LOCATION WITH ARCHITECT.

CALLED NORTH

1 ELECTRICAL LIGHTING FLOOR PLAN
SCALE: 1/8"=1'-0"

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NY PROFESSIONAL ENGINEER
FAIA, FIDEC

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FORENSIC CONSULTANT: crime lab design
MEP CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
IT/SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

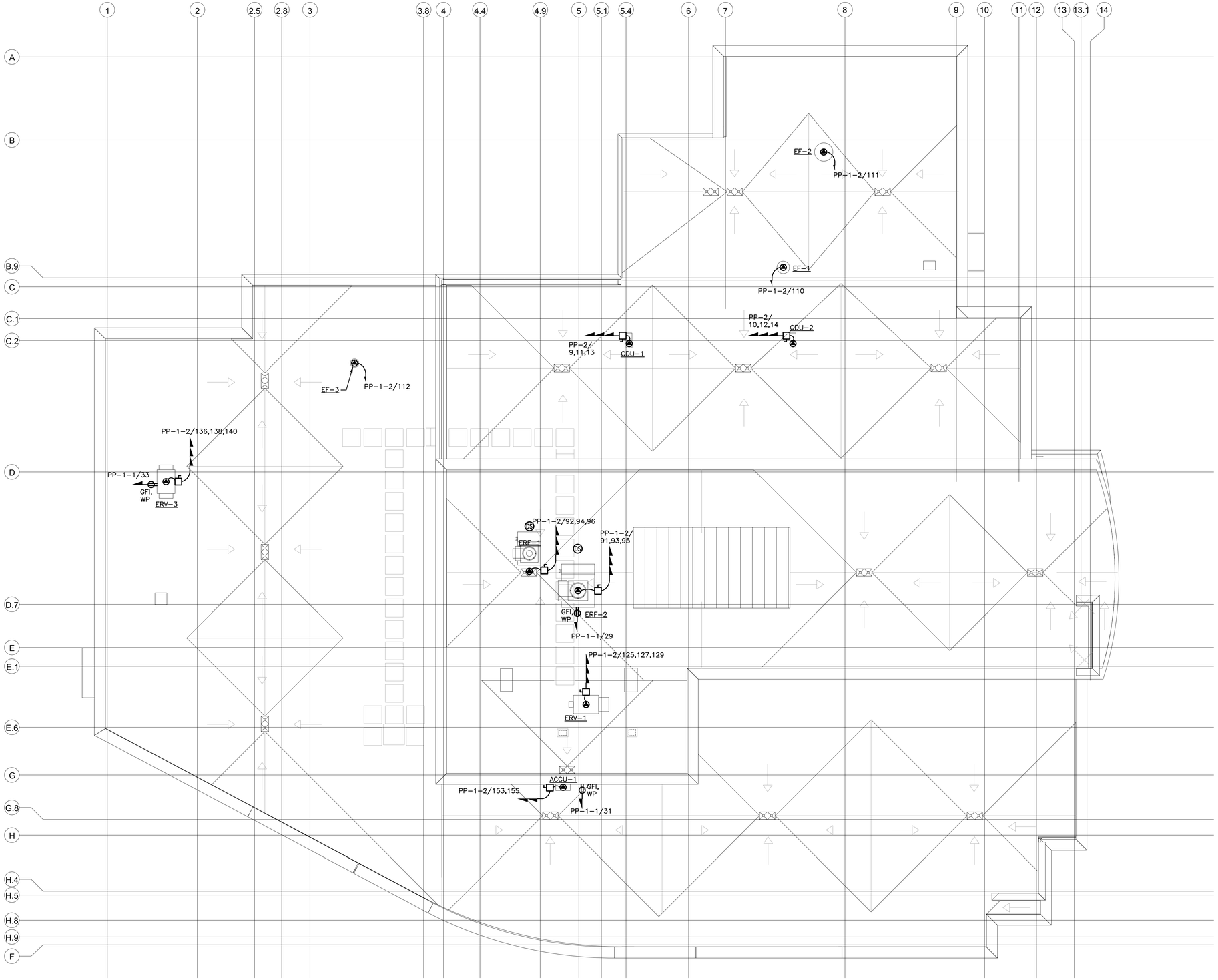
SHEET TITLE
ELECTRICAL LIGHTING FLOOR PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	AH
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
E200

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1 **ELECTRICAL POWER ROOF PLAN**
SCALE: 1/8"=1'-0"

CALLED NORTH

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NY PROFESSIONAL ENGINEER
FINAL DRAFT

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M&P CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES ASSOCIATES, INC.
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

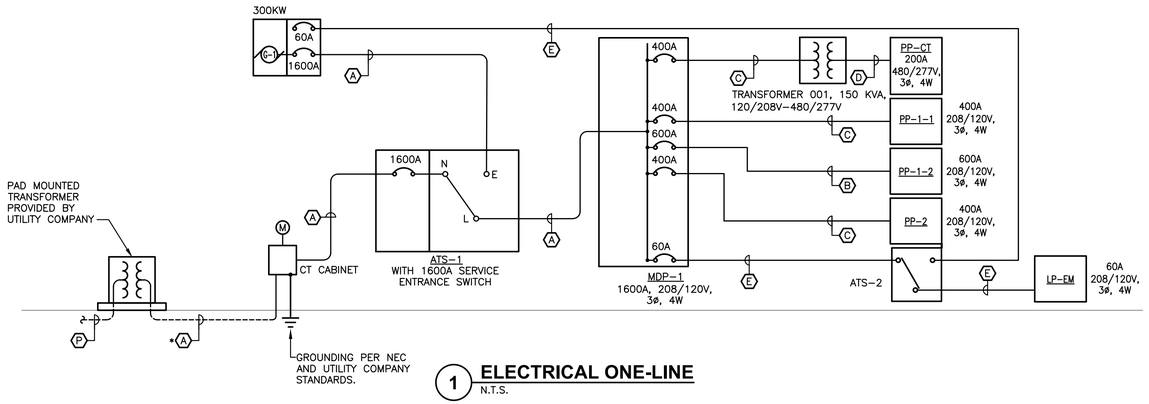
SHEET TITLE
ELECTRICAL POWER ROOF PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
OSCOEN, NY 10924

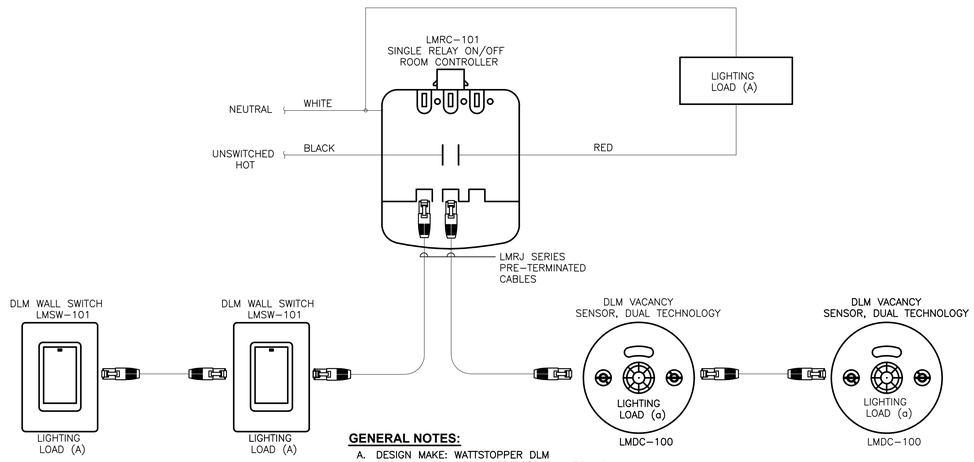
DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	2071
CLIENT PROJ. NO.:	

SHEET NUMBER
E300

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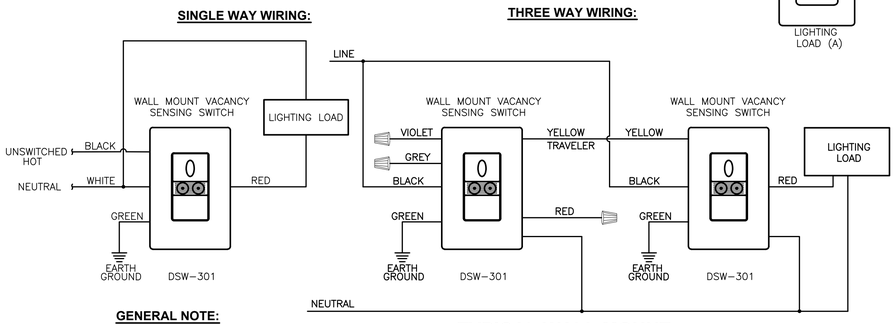
1 ELECTRICAL ONE-LINE
N.T.S.



GENERAL NOTES:

A. DESIGN MAKE: WATTSTOPPER DLM
B. ROOM CONTROLLER, WATTSTOPPER LMRC–101
C. DUAL TECHNOLOGY CEILING SENSOR, WATTSTOPPER: LMDC–100
D. DLM WALL SWITCH: WATTSTOPPER LMSW–101
E. PROVIDE DRY CONTACTS TO BE USED FOR HVAC CONTROL.

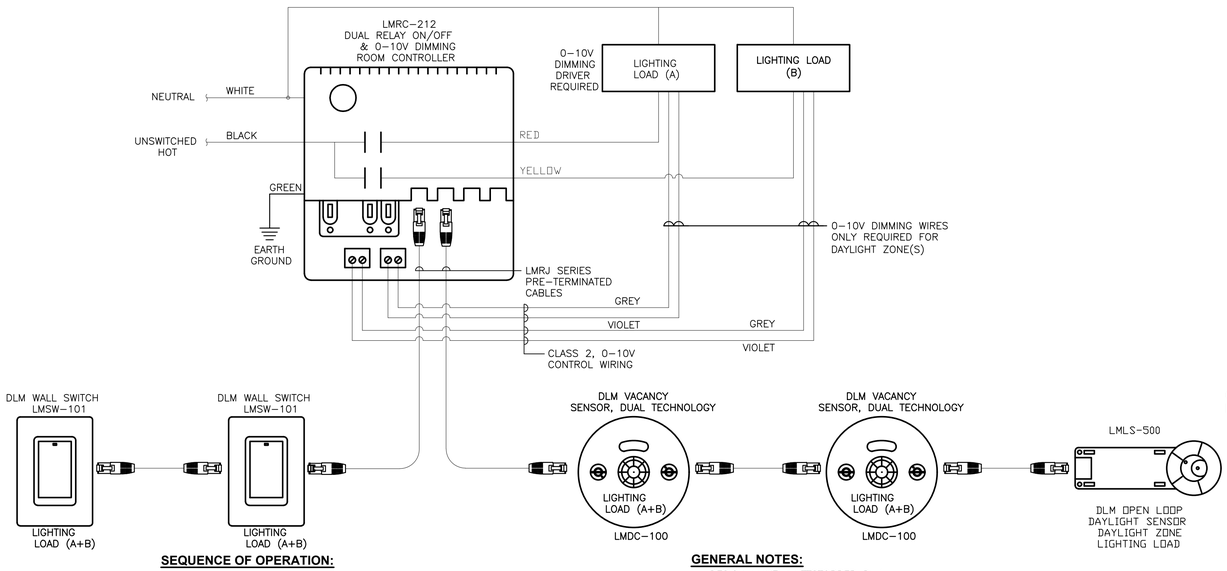
2 TYPICAL SINGLE ZONE SWITCHING ROOM CONTROLLER
N.T.S.



GENERAL NOTE:

1. BASIS OF DESIGN: WATTSTOPPER – DSW–301.

3 TYPICAL WALL MOUNT VACANCY SENSOR SWITCH DETAIL
N.T.S.



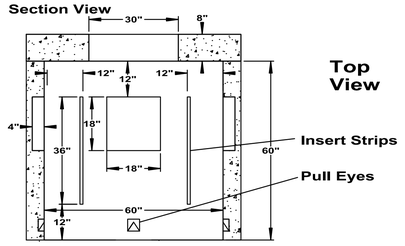
SEQUENCE OF OPERATION:

1. WALL SWITCHES SHALL CONTROL ON/OFF OF LIGHTING LOADS A+B IN CONJUNCTION WITH CEILING MOUNTED VACANCY SENSORS.
2. LIGHT OUTPUT OF FIXTURES IN DAYLIGHT ZONE SHALL BE LIMITED BY THE DAYLIGHT SENSOR.

GENERAL NOTES:

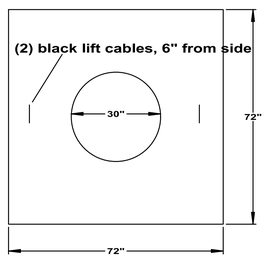
A. DESIGN MAKE: WATTSTOPPER DLM
B. ROOM CONTROLLER, WATTSTOPPER LMRC–212
C. DUAL TECHNOLOGY CEILING SENSOR, WATTSTOPPER: LMDC–100
D. DLM WALL SWITCH: LMSW–101
E. DLM OPEN LOOP DAYLIGHT SENSOR: LMLS–500

4 TYPICAL DUAL ZONE DIMMING ROOM CONTROLLER
N.T.S.





Campbell #1012A
bolted & gasketed cover



SPECIFICATIONS

Concrete Min. Strength: 4,000 psi at 28 days
Reinforcement: #4 & #5 Rebar / ASTM A615
Air Entrainment: 6%
Pipe Connection: Knockout Panels
Load Rating: HS20-44
Total Weight = 14,500 lbs
Pulling Irons: PA Inserts model PI-2

5 PRECAST 5'x5'x5' ID PULLBOX
N.T.S.

#	REVISION SCHEDULE DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
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REG. NO. 078477

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COST CONSULTANT	STUART-LYNN COMPANY
FP&E CONSULTANT	CLASSIC CONCEPT INTERIORS, LLC
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

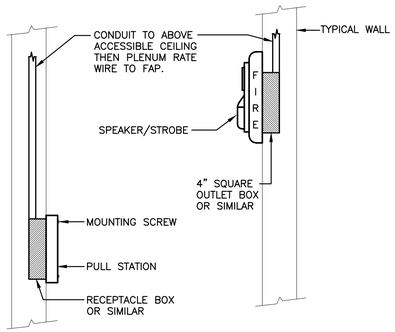
SHEET TITLE
ELECTRICAL ONE-LINE, AND ELECTRICAL DETAILS

22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
E700

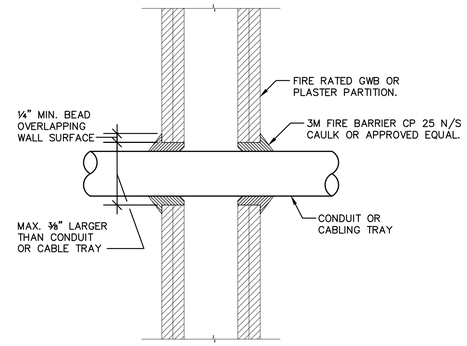
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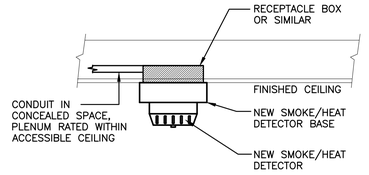
NOTES:

1. FOR SURFACE MOUNT INSTALLATIONS, INSTALL WIREMOLD & WIREMOLD RECEPTACLE BOX ONLY AT THE DISCRETION OF THE OWNER.
2. THIS DETAIL PERTAINS TO NEW CONSTRUCTION ONLY. WHEN NEW DEVICES ARE BEING INSTALLED WHERE JUNCTION BOXES EXIST ALREADY, UTILIZE THE JUNCTION BOX.

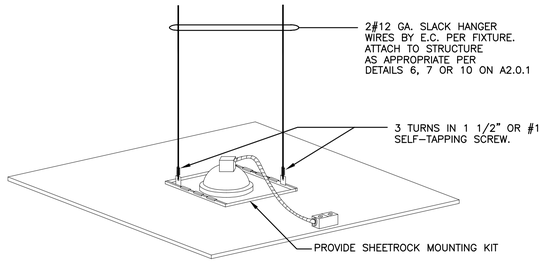
1 TYPICAL PULL STATION & SPEAKER/STROBE DETAIL
N.T.S.



2 CONDUIT PENETRATION IN FIRE RATED GWB OR PLASTER PARTITION
N.T.S.

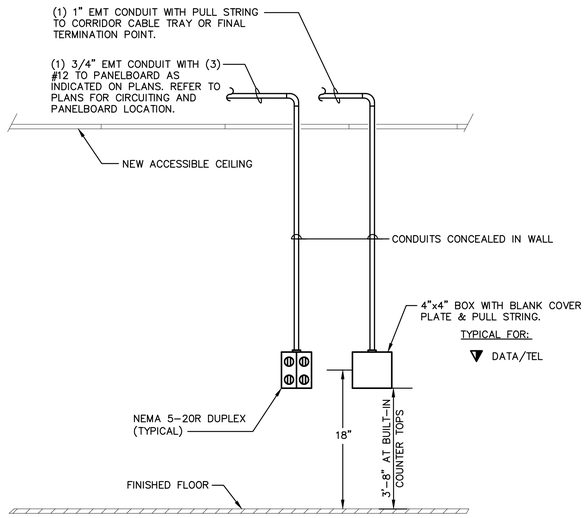


3 TYPICAL SMOKE / HEAT DETECTOR DETAIL
N.T.S.

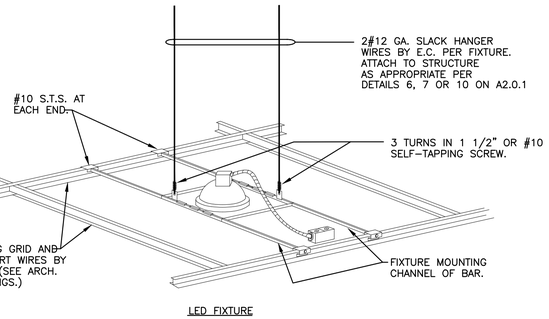


LED FIXTURE

4 RECESSED FIXTURE MOUNTING DETAIL
N.T.S.

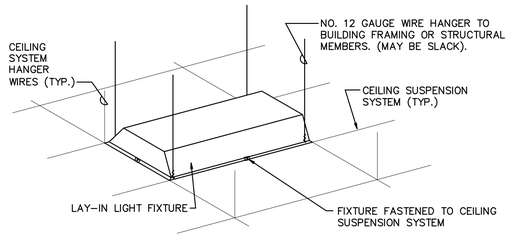


5 DATA DROP
N.T.S.

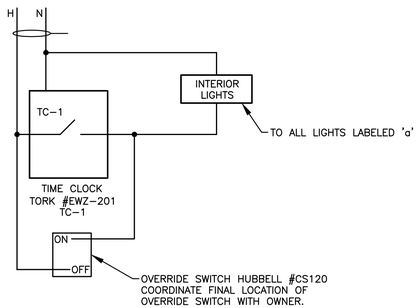


LED FIXTURE

6 RECESSED FIXTURE MOUNTING DETAIL
N.T.S.



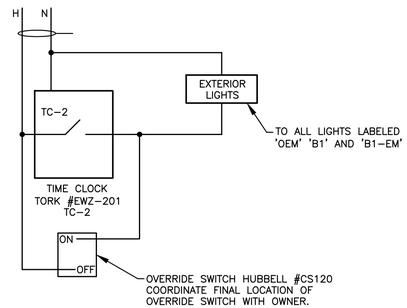
7 LAY-IN LIGHT FIXTURE SUPPORT DETAIL
N.T.S.



NOTE:

1. COORDINATE WITH OWNER FOR HOURS OF OPERATION AND DEMONSTRATE TO THEM ALL TIME CLOCK FUNCTIONS.

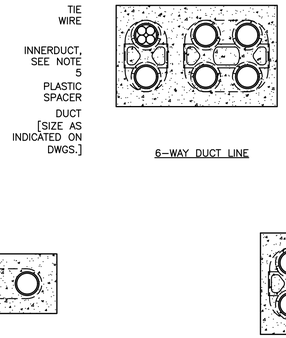
8 INTERIOR LIGHTING TIMECLOCK DETAIL
N.T.S.



NOTE:

1. COORDINATE WITH OWNER FOR HOURS OF OPERATION AND DEMONSTRATE TO THEM ALL TIME CLOCK FUNCTIONS.

9 EXTERIOR LIGHTING TIMECLOCK DETAIL
N.T.S.



6-WAY DUCT LINE

2-WAY DUCT LINE

4-WAY DUCT LINE

GENERAL NOTES:

1. CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
2. PROVIDE #4 REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 610mm (24") OR AS OTHERWISE SPECIFIED IN
4. SECTION 26 05 41.
5. PROVIDE MINIMUM 152mm (6") SPACE BETWEEN POWER AND TELECOMMUNICATION DUCTS. INCREASE SIZE AS REQUIRED.

   INNERDUCT QUANTITY AND SIZE AS INDICATED ON PLANS.

10 DUCT BANK DETAIL
N.T.S.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NY PROFESSIONAL ENGINEER
PE PROJECT

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CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
M&P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

ORANGE COUNTY, NEW YORK

SHEET TITLE
ELECTRICAL DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	AH
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
E701

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LOAD	CONDUCTORS	C.B.	A Ø B Ø C Ø	C.B.	CONDUCTORS	LOAD
PP-1-1	(4)600 MCM, (1)#3GND, IN 4" CONDUIT	400	1 2	400	(4)600 MCM, (1)#3GND, IN 4" CONDUIT	PP-CT
PP-1-2	2 SETS (4)350 MCM, (1)#1 GND, IN 2 1/2" CONDUIT	600	3 4	60	(4)#6, (1)#10 GND, 1"C	LP-EM
COLD ROOM CONTROL PANEL	(4)#6, (1)#10 GND, IN 1" CONDUIT	60	5 6	400	(4)600 MCM, (1)#3 GND, 4"C	PP-2
SPACE	---	--	7 8	--	---	SPACE
			9 10			
			11 12			
			13 14			
			15 16			
			17 18			

TYPE: EATON POW-R-LINE C
RATING: 1600A, 120/208V, 3ø, 4W,
MAINS: MLO
BRACING: 42 KAIC
ENCLOSURE: NEMA 1, SURFACE
AVAILABLE SPACE: 38X

NOTES:
1. ALL WIRE SHALL BE DUAL RATED THHN/THWN COPPER CONDUCTOR UNLESS OTHERWISE NOTED.

MAIN DISTRIBUTION PANEL - (MDP-1)

LOAD	CONDUCTORS	C.B.		C.B.	CONDUCTORS	LOAD
ELECTRICAL ROOM RECEPT	(2)#12, (1)#12 GND, 3/4"C	20	1 2	20	(2)#12, (1)#12 GND, 3/4"C	GEAR ROOM RECEPT
MOTHER'S RM/RECORD STOR. RECEPT			3 4			CONFERENCE ROOM RECEPT
RECORD STORAGE CONFERENCE ROOM RECEPT			5 6			COPY ROOM/STOR. RECEPT
ADMIN RECEPT			7 8			ROOM 122/123 RECEPT
ROOM 124/125 RECEPT			9 10			ROOM 126 RECEPT
CONTRACT DOC. RECEPT			11 12			CONTRACT DOC. RECEPT
OFFICE 128 RECEPT			13 14			ROOM 129/130 RECEPT
EVIDENCE STOR. RECEPT			15 16			SPECIAL AUTOPSY RECEPT
SPECIAL AUTOPSY RECEPT			17 18			AUTOPSY CLG RECEPT
AUTOPSY RECEPT			19 20			AUTOPSY RECEPT
VIEWING ROOM RECEPT			21 22			DRINKING FOUNTAIN RECEPT
SECURITY RECEPT			23 24			AUTOPSY ASSIST RECEPT
CONTROL ROOM RECEPT			25 26			SALLY PORT RECEPT
BODY REF RECEPT			27 28	20	---	SPARE
ROOF RECEPT			29 30			
ROOF RECEPT			31 32			
ROOF RECEPT			33 34	20	(2)#12, (1)#12 GND, 3/4"C	ROOM 131 RECEPT
WAITING ROOM RECPT	(2)#12, (1)#12 GND, 3/4"C	20	35 36			131 ROOM FRIDGE RECEPT
MENS/WOMENS L/S/T RECEPT	(2)#12, (1)#12 GND, 3/4"C		37 38	70	(4)#4, (1)#8 GND, 1 1/4"C	WH-1
CT/XRAY ROOM RECEPT			39 40			
MUD ROOM RECEPT			41 42			
ELECTRICAL ROOM RECEPT			43 44	20	(2)#12, (1)#12 GND, 3/4"C	LAUNDRY ROOM RECEPT
STORAGE RECEPT			45 46	30	(3)#10, (1)#10 GND, 3/4"C	DRYER RECEPT
TISSUE STORAGE RECEPT			47 48			
WSHP-1	(4)#8, (1)#10 GND, 3/4"C	45	49 50	20	(4)#12, (1)#12 GND, 3/4"C	WSHP-3
			51 52			
			53 54			
WSHP-2	(4)#8, (1)#10 GND, 3/4"C	50	55 56	45	(4)#8, (1)#10 GND, 3/4"C	WSHP-4
			57 58			
			59 60			
WSHP-5	(4)#8, (1)#10 GND, 3/4"C	45	61 62	35	(4)#8, (1)#10 GND, 3/4"C	WSHP-7
			63 64			
			65 66			
WSHP-6	(4)#8, (1)#10 GND, 3/4"C	45	67 68	35	(4)#8, (1)#10 GND, 3/4"C	WSHP-8
			69 70			
			71 72			
OVERHEAD DOOR	(2)#12, (1)#12 GND, 3/4"C	20	73 74	20	(2)#12, (1)#12 GND, 3/4"C	OVERHEAD DOOR
			75 76			
OVERHEAD DOOR	(2)#12, (1)#12 GND, 3/4"C	20	77 78	20	(2)#12, (1)#12 GND, 3/4"C	OVERHEAD DOOR
			79 80			
SPARE	- - -	20	81 82	20	(2)#12, (1)#12 GND, 3/4"C	BIOSAFETY CABINET
			83 84	20	---	SPARE

POWER PANEL - PP-1-1

TYPE: EATON PRL-1A
RATING: 400A, 120/208V, 3ø, 4W
MAINS: MLO
BRACING: 42 KAIC
ENCLOSURE: NEMA1, SURFACE
POLES: 84

NOTES:
1. ALL WIRE SHALL BE DUAL RATED THHN/THWN COPPER CONDUCTOR UNLESS OTHERWISE NOTED.
2. ALL CIRCUITS SHALL HAVE FULL SIZE INSULATED GREEN GROUND UNLESS OTHERWISE NOTED.

LOAD	CONDUCTORS	C.B.		C.B.	CONDUCTORS	LOAD
NORTH LIGHTS	(2)#12, (1)#12 GND, 3/4"C	20	1 2	20	(2)#12, (1)#12 GND, 3/4"C	EAST LIGHTS
SOUTH LIGHTS			3 4			WEST LIGHTS
LOBBY LIGHTS (VIA TC-1)			5 6			OUTDOOR LIGHTS (VIA TC-2)
HALLWAY LIGHTS (VIA TC-1)			7 8	20	(2)#12, (1)#12 GND, 3/4"C	AUTOMATIC DOOR OPENER
SPARE	---		9 10	20	---	SPARE
			11 12			
			13 14	--		SPACE
SPACE		--	15 16			
			17 18			

POWER PANEL - LP-EM

TYPE: EATON PRL-1a
RATING: 60A, 120/208V, 3ø, 4W
MAINS: MLO
BRACING: 42 KAIC
ENCLOSURE: NEMA1, SURFACE
POLES: 18

NOTES:
1. ALL WIRE SHALL BE DUAL RATED THHN/THWN COPPER CONDUCTOR UNLESS OTHERWISE NOTED.
2. ALL CIRCUITS SHALL HAVE FULL SIZE INSULATED GREEN GROUND UNLESS OTHERWISE NOTED.

LOAD	CONDUCTORS	C.B.		C.B.	CONDUCTORS	LOAD
XRAY GENERATOR	(4)#4, (1)#8 GND, 1 1/4"C	80	1 2	--	---	SPACE
			3 4			
			5 6			
SPACE	- - -	--	7 8			
			9 10			
			11 12			
			13 14			
			15 16			
			17 18			

POWER PANEL - PP-CT

TYPE: EATON PRL-1a
RATING: 200A, 277/480V, 3ø, 4W
MAINS: MLO
BRACING: 42 KAIC
ENCLOSURE: NEMA1, SURFACE
POLES: 18

NOTES:
1. ALL WIRE SHALL BE DUAL RATED THHN/THWN COPPER CONDUCTOR UNLESS OTHERWISE NOTED.
2. ALL CIRCUITS SHALL HAVE FULL SIZE INSULATED GREEN GROUND UNLESS OTHERWISE NOTED.

LOAD	CONDUCTORS	C.B.		C.B.	CONDUCTORS	LOAD
CH-1	(4)#3, (1)#8 GND, 1 1/4"C	90	73 74	90	(4)#3, (1)#8 GND, 1 1/4"C	CH-3
			75 76			
			77 78			
CH-2	(4)#3, (1)#8 GND, 1 1/4"C	90	79 80	80	(4)#4, (1)#8 GND, 1 1/4"C	CH-4
			81 82			
			83 84			
AHU-1	(4)#10, (1)#10 GND, 3/4"C	25	85 86	25	(4)#10, (1)#10 GND, 3/4"C	AHU-2
			87 88			
			89 90			
ERF-1	(4)#10, (1)#10 GND, 3/4"C	25	91 92	25	(4)#10, (1)#10 GND, 3/4"C	ERF-2
			93 94			
			95 96			
BONE KETTLE	(4)#3, (1)#8 GND, 1 1/4"C	90	97 98	20	---	SPARE
			99 100			
			101 102	20	(2)#12, (1)#12 GND, 3/4"C	COPIER RECEPT
EVIDENCE REFRIG. RECEPT	(2)#12, (1)#12 GND, 3/4"C	20	103 104			TISSUE REFRIG. RECEPT
BATHROOM RECEPT			105 106			BATHROOM RECEPT
PORTABLE X-RAY			107 108			SPECIAL AUTOPSY CLG RECPET
AUTOPSY CLG RECEPT			109 110	15	(2)#12, (1)#12 GND, 3/4"C	EF-1
EF-2	(2)#12, (1)#12 GND, 3/4"C	15	111 112			EF-3
EV CHARGER	(3)#8, (1)#10 GND, 1"C	40	113 114	40	(3)#8, (1)#10 GND, 1"C	EV CHARGER
			115 116			
EV CHARGER	(3)#8, (1)#10 GND, 1"C	40	117 118	15	(2)#12, (1)#12 GND, 3/4"C	FORKLIFT CHARGER
			119 120			DISPOSAL
GEN. ACCESSORY	(3)#6, (1)#10 GND, 1"C	60	121 122	45	(2)#8, (1)#10 GND, 3/4"C	SCISSOR LIFT
			123 124	15	(3)#12, (1)#12 GND, 3/4"C	ERV-2
ERV-1	(3)#8, (1)#8 GND, 3/4"C	35	125 126			
			127 128			
			129 130	20	---	SPARE
SPARE	---	20	131 132	20	(3)#12, (1)#12 GND, 3/4"C	XRAY STANDBY POWER
ERC-1	(3)#8, (1)#10 GND, 3/4"C	30	133 134			
			135 136	30	(3)#8, (1)#10 GND, 3/4"C	ERV-3
ERC-2	(3)#12, (1)#12 GND, 3/4"C	15	137 138			
			139 140			
P-5	(4)#12, (1)#12 GND, 3/4"C	15	141 142	15	(4)#12, (1)#12 GND, 3/4"C	P-6
			143 144			
			145 146			
P-A	(4)#1, (1)#8 GND, 1 1/4"C	125	147 148	125	(4)#1, (1)#8 GND, 1 1/4"C	P-B
			149 150			
			151 152			
ACCU-1	(3)#12, (1)#12 GND, 3/4"C	15	153 154	20	---	SPARE
			155 156			

POWER PANEL - PP-1-2

TYPE: EATON PRL-1A
RATING: 600A, 120,208V, 3ø, 4W
MAINS: MLO
BRACING: 42 KAIC
ENCLOSURE: NEMA1, SURFACE
POLES: 84

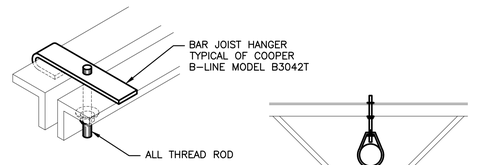
NOTES:
1. ALL WIRE SHALL BE DUAL RATED THHN/THWN COPPER CONDUCTOR UNLESS OTHERWISE NOTED.
2. ALL CIRCUITS SHALL HAVE FULL SIZE INSULATED GREEN GROUND UNLESS OTHERWISE NOTED.

LOAD	CONDUCTORS	C.B.		C.B.	CONDUCTORS	LOAD
AUTOPSY HEADWALL POWER	(2)#12, (1)#12 GND, 3/4"C	20	1 2	20	(2)#12, (1)#12 GND, 3/4"C	AUTOPSY HEADWALL POWER
AUTOPSY HEADWALL POWER			3 4			AUTOPSY HEADWALL POWER
ROLLING LADDER			5 6			GROSSING STATION
EUH-1	(2)#10, (1)#10 GND, 3/4"C	30	7 8			GROSSING STATION
CDU-1	(3)#8, (1)#10 GND, 3/4"C	45	9 10	45	(3)#8, (1)#10 GND, 3/4"C	CDU-2
			11 12			
			13 14			
P-1	(4)#12, (1)#12 GND, 3/4"C	15	15 16	15	(4)#12, (1)#12 GND, 3/4"C	P-3
			17 18			
			19 20			
P-2	(4)#12, (1)#12 GND, 3/4"C	15	21 22	15	(4)#12, (1)#12 GND, 3/4"C	P-4
			23 24			
			25 26			
SPARE	---	20	27 28	20	---	SPARE
			29 30			
			31 32			
SPACE	---	--	33 34	--	---	SPACE
			35 36			
			37 38			
			39 40			
			41 42			

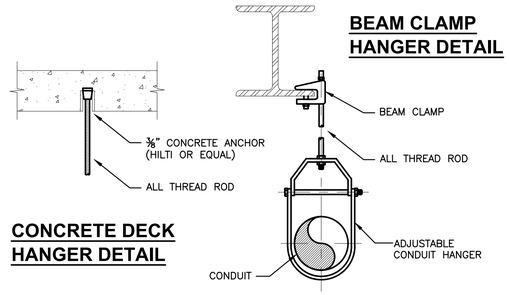
POWER PANEL - PP-2

TYPE: EATON PRL-1a
RATING: 400A, 120/208V, 3ø, 4W
MAINS: MLO
BRANCHES: 42 KAIC
ENCLOSURE: NEMA1, SURFACE
POLES: 42

NOTES:
1. ALL WIRE SHALL BE DUAL RATED THHN/THWN COPPER CONDUCTOR UNLESS OTHERWISE NOTED.
2. ALL CIRCUITS SHALL HAVE FULL SIZE INSULATED GREEN GROUND UNLESS OTHERWISE NOTED.



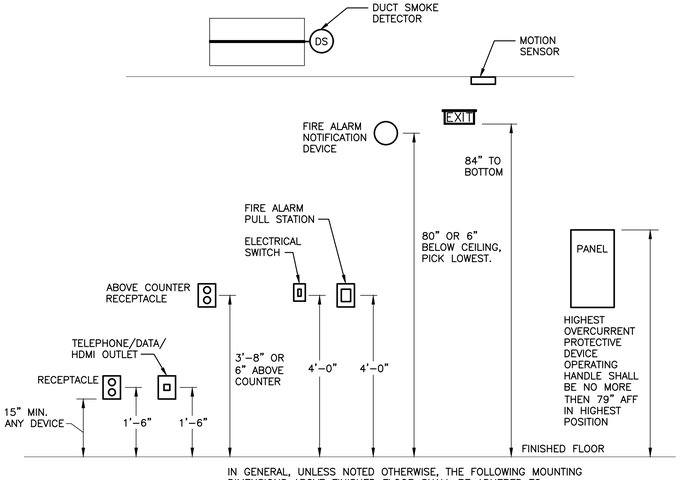
BAR JOIST HANGER DETAIL



BEAM CLAMP HANGER DETAIL

CONCRETE DECK HANGER DETAIL

1 **TYPICAL CONDUIT HANGER DETAIL**
N.T.S.



IN GENERAL, UNLESS NOTED OTHERWISE, THE FOLLOWING MOUNTING DIMENSIONS ABOVE FINISHED FLOOR SHALL BE ADHERED TO:
- –RECEPTACLES – 1'–6"
- –LIGHTING SWITCHES AND MANUAL MOTOR STARTER – 4'–0"
- –MOTION SENSORS – 8'–0"

2 **MOUNTING HEIGHTS OF ELECTRICAL DEVICES**
N.T.S.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NY PROFESSIONAL ENGINEER
NO. 090427

ARCHITECT/STRUCTURAL ENGINEER
HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 456-3410
www.hymanhayes.com

COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
M.E.P. CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

FE PROJECT #: 20-335

ORANGE COUNTY, NEW YORK

SHEET TITLE
ELECTRICAL SCHEDULES & DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
OSCEOLA, NY 13064

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
E800

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

GENERAL NOTES:

1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
3. THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED WHERE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM OPERATION.
4. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
5. ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON–HARDENING SEALANT.
6. FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
7. COORDINATE FIXTURE ROUGH–INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
8. ALL EXPOSED DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
9. PROVIDE SHUT–OFF VALVES AT ALL BRANCH PIPING TAKE–OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
10. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
11. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
12. ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.
13. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
14. WHERE INSTALLATION OR REMOVAL OF BELOW–SLAB PIPING IS INDICATED IN EXISTING CONCRETE SLAB, THIS CONTRACTOR SHALL SAW–CUT AND EXCAVATE THE EXISTING SLAB AS REQUIRED. UPON COMPLETION OF WORK, THIS CONTRACTOR SHALL PATCH THE CONCRETE SLAB. FLOOR FINISH WORK BY G.C.
15. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
16. CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
17. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
18. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.

GENERAL PLUMBING NOTES:

1. ALL AREAS SHALL BE SERVED WITH (110°F) HOT WATER. MAXIMUM OUTLET TEMPERATURE FOR ANY FIXTURE SHALL BE SET @ 100°F.
2. DRAIN PIPING SHOWN ON PLANS SHALL BE INSTALLED BELOW THE FLOOR SHOWN (BELOW SLAB OR ABOVE CEILING OF LOWER FLOOR AS APPROPRIATE) UNLESS OTHERWISE NOTED.
3. ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
4. PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
5. INSTALL SECTIONALIZING VALVES AT ALL MAIN 'T' ON DOMESTIC HOT & COLD WATER SERVICE.
6. VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
7. WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 3".
8. ALL PLUMBING FIXTURES AND TRIM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS ALL ADA AND ANSI–A–117.1 REQUIREMENTS.
9. INSTALL CONDENSATION CONTROL INSULATION: MINIMUM 1"–INCH THICK FOR ALL PIPE SIZES.
   A. COOLING COIL CONDENSATION PIPING TO WASTE PIPING FIXTURE OR INLET. (COORDINATE W/ MECHANICAL CONTRACTOR).
   B. PLUMBING PIPING AS FOLLOWS:
      a. BODY OF ROOF DRAINS AND STORM PIPE OF HORIZONTAL & VERTICAL RUNS, & OFFSETS (INCLUDING ELBOWS) OF INTERIOR DOWN SPOUT PIPING IN ALL AREAS.
      b. WASTE PIPING FROM ELECTRIC WATER COOLERS TO DRAINAGE SYSTEM.
      c. WASTE PIPING LOCATED ABOVE BASEMENT FLOOR FROM AIR HANDLING UNITS, FROM FIXTURE (INCLUDING TRAP) TO MAIN VERTICAL WASTE PIPE. (COORDINATE W/ MECHANICAL CONTRACTOR).
      d. COLD WATER PIPING.
10. HOT & HOT WATER RETURN PIPING SHALL BE INSULATED PER WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION CONSTRUCTION CODE.
11. PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS AND FOR ADDITIONAL ROOF DRAIN WORK NOT SHOWN ON PLUMBING DRAWING.
12. ROOF LEADERS MUST BE CONVEYED INDEPENDENTLY FROM SANITARY SEWER SYSTEMS, (STORM DRAIN SHALL NEVER TIE INTO SANITARY SEWER SYSTEM).
13. UNLESS OTHERWISE NOTED, ALL VALVES 2"ø & SMALLER SHALL BE QUARTER–TURN BALL VALVES AND ALL VALVES 2½" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL–PORT DESIGN.
14. PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
15. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING BEDDING AND BACK FILLING AS PER SPECIFICATIONS. ALL TRENCH WORK TO BE COORDINATED WITH THE GENERAL CONSTRUCTION CONTRACTOR.
16. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.

PIPING SYMBOLS

- DIRECTION OF FLOW
- ANCHOR
- PIPE GUIDE
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- PIPE DOWN TURN
- PIPE RISE
- UNION
- DIRECTION OF PIPE PITCH (DOWN)

PLUMBING LINE TYPES

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- COLD WATER SUPPLY
- A — COMPRESSED AIR
- CD — CONDENSATE DRAIN
- HOT WATER RETURN
- HOT WATER SUPPLY
- IW — INDIRECT WASTE
- SAN — SANITARY LINE
- ST — STORM LINE
- ST — STORM LINE ABOVE CEILING
- VENT PIPE

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- POINT OF DISCONNECT
- X / XX — INDICATES SECTION LETTER / INDICATES DRAWING NUMBER WHERE LOCATED
- PUMP

VALVE SYMBOLS

- GATE VALVE – THREADED/FLANGED
- GATE VALVE WITH 3/4" HOSE ADAPTER
- GLOBE VALVE – THREADED/FLANGED
- CHECK VALVE
- STRAINER
- WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
- STRAINER WITH VALVED DRAIN AND QUICK–COUPLE HOSE CONNECTOR
- FLEXIBLE CONNECTION
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- CONTROL VALVE (CV) – FLOAT–OPERATED
- MODULATING CONTROL VALVE
- MODULATING CONTROL BUTTERFLY VALVE
- TWO POSITION CONTROL VALVE
- THREE–WAY MODULATING CONTROL VALVE
- THREE–WAY TWO POSITION CONTROL VALVE
- PRESSURE REGULATING VALVE
- PRESSURE REDUCING VALVE (PRV)
- TEMPERATURE & PRESSURE RELIEF VALVE
- SAFETY OR PRESSURE RELIEF VALVE
- AUTOMATIC BALANCING CONTROL VALVE
- WATER BALANCE DEVICE
- WATER FLOW MEASURING DEVICE
- CIRCUIT SETTER VALVE
- GATE VALVE WITH GLOBE–VALVED BYPASS
- LC — WATER LEVEL CONTROLLER
- M — FLOW METER
- COMBINATION BALANCING AND SHUT–OFF VALVE
- MANUAL AIR VENT
- TEST PLUG (PRESSURE/TEMPERATURE)

ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BTUH	BRITISH THERMAL UNITS/HOUR
CLG	CEILING
CO	CLEAN OUT
CP	CONDENSATE PUMP
CW	DOMESTIC COLD WATER
DIA	DIAMETER
D	DRAIN
DN	DOWN
DP	DIFFERENTIAL PRESSURE
E.C.	ELECTRICAL CONTRACTOR
ECC	ENGINEERING CONTROL CENTER
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXIST	EXISTING
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR.	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H.C.	HVAC CONTRACTOR
HP	HORSE POWER
HTWR	HIGH TEMP. HOT WATER RETURN PIPE (140°F)
HTWS	HIGH TEMP. HOT WATER PIPE (140°F)
HW	DOMESTIC HOT WATER PIPE (110°F)
HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
MAX.	MAXIMUM
MBH	ONE THOUSAND BTUH
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
P	PUMP
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP (FEET OF WATER)
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE IN.
SAN	SANITARY DRAINAGE PIPE
S.S.	STAINLESS STEEL
ST	STORM DRAINAGE PIPE
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT PIPE
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WF	WATER FILTER
WFM	WATER FLOW MEASURING DEVICE
WH	WATER HEATER

LEGEND AND SCHEDULE OF PLUMBING EQUIPMENT

TAG	MANUFACTURER	CATALOG #	DESCRIPTION
WC–1	KOHLER	K–84325	"KINGSTON ULTRA" ELONGATED, 1.28 GPF SIPHON JET FLUSHING ACTION WATER CLOSET, VITREOUS CHINA, WHITE FINISH, WALL MOUNTED TOP SPUD. MEETS ASME A112.19.2 AND ADA COMPLIANT. PROVIDE WITH KOHLER "STRONGHOLD" K–4371–CA ELONGATED SEAT. PROVIDE WITH ROYAL "111 ESS–1.28" HARDWIRED SENSOR–OPERATED FLUSHOMETER WITH TRUE MECHANICAL OVERRIDE. PROVIDE ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
LV–1	TOTO	LT307	WALL–HUNG 20–7/8" X 18" LAVATORY, VITREOUS CHINA, WHITE FINISH. PROVIDE WITH ZURN "Z1231EZ" UNIVERSAL CONCEALED ARM CARRIER. MEETS ASME A112.19.2 AND ADA COMPLIANT. PROVIDE WITH SLOAN EAF–200 0.5 GPM, LAMINAR FLOW, HARDWIRED SENSOR–OPERATED FAUCET. PROVIDE WITH THERMOSTATIC MIXING VALVE. PROVIDE ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
SS–1 (204)	STERIS	AMSCO FLEXMATIC	SINGLE SCRUB STATION, ALL STAINLESS STEEL CONNECTION WITH ALL ROUNDED INSIDE CORNERS. THERMOSTATICALLY CONTROLLED MIXING VALVE AND HIGH SIDE PANELS TO CONTROL SPLASH. FOOT PEDAL CONTROL INFRARED HANDS FREE CONTROLS AND SOAP OPERATION. SIZE 32"x25"x48"H.
RPS–1 (214)	STERIS	AMSCO 50	REPROCESSING SINK, AIR AND WATER WITH TIP ATTACHMENTS, BACK SPLASH–MOUNTED PRE–RINSER AND FAUCET COMBO WITH FOOT PEDAL CONTROL, TREATED WATER, MAGNETIC BACK SPLASH AND ETCHED GALLON MARKERS IN ALL BAYS. BAY DIMENSIONS: 30"x17"x10".
DF–1	ELKAY	LZSTL8WSLK	ELKAY EZH2O VERSATILE BI LEVEL ADA COOLER, FILTERED 8 GPH STAINLESS, 50 °F DRINKING WATER, 115V/60HZ, 7.5MCA. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
SH–1	MOEN	8342EP15	PRESSURE BALANCING SHOWER MIXING VALVE TRIM KIT, 2.5 GPM. WALL–MOUNTED SHOWER HEAD WITH ADDITIONAL HANDHELD SHOWERHEAD ON A 69" METAL HOSE AND 30" SLIDE BAR. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
NFHB–1	ZURN	Z1300	NON–FREEZE WALL HYDRANT, AUTOMATIC DRAINING, ANTI–SIPHON. BRONZE CASING WITH ALL BRONZE INTERIOR PARTS. COORDINATE FINAL LOCATIONS WITH ARCHITECT AND OWNER. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
HB–1	ZURN	Z875L7	HOSE BIB WITH VACUUM BREAKER SPOUT.
HB–2	ZURN	Z1300	HOT AND COLD WALL HYDRANT, AUTOMATIC DRAINING, ANTI–SIPHON. BRONZE CASING WITH ALL BRONZE INTERIOR PARTS. COORDINATE FINAL LOCATIONS WITH ARCHITECT AND OWNER. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
FD–1	ZURN	Z300C	GENERAL PURPOSE, DURA–COATED CAST IRON BODY FLOOR DRAIN. TYPE C, NICKEL BRONZE 8" ⊖ STRAINER. COORDINATE PIPE SIZE WITH FLOOR PLANS. PROVIDE WITH 1/2" TRAP PRIMER CONNECTION. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
WB–1	ZURN	Z300C–WB	WATER CONTROL BOX – THOROFLUSH DRAIN FOR FLOOR DRAIN CONNECTION AND FOR FREQUENT FLUSHING. COMPLETE WITH CLAMPING COLLAR AND ALL APPURTENANCES FOR A COMPLETE SYSTEM.
RD–1	ZURN	Z163–E	15" DIAMETER ROOF DRAIN AND OVERFLOW DRAIN, DURA–COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING CLAMP. SEE FLOOR PLANS FOR OUTLET SIZES.
ODS	ZURN	Z199	OVERFLOW ROOF DRAINAGE DOWNSPOUT NOZZLE. ALL NICKEL BRONZE BODY. COORDINATE PIPE SIZES WITH DRAWINGS. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
MS–1	FIAT	MSB2424	MOLDED STONE MOP SINK BASIN. 24"x24" C/W GRID STRAINER, 2" OUTLET. SUPPLY WITH MODEL #A880 WALL SERVICE FAUCET AND ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
EW–1 (207)	BRADLEY	S19–310LL AND S19–2200 207	DRENCH SHOWER/EYEWASH–PLASTIC SHOWERHEAD AND STAINLESS STEEL BOWL. EYEWASH UNIT COMPLETE WITH EFX60 EMERGENCY THERMOSTATIC MIXING VALVE AND ALL OTHER APPURTENANCES FOR A COMPLETE SYSTEM.
WH–1	LOCHINVAR	WHP–125 AND RSJ120	WATER SOURCE HEAT PUMP AND VERTICAL ROUND JACKETED GLASS LINED TANK. HEAT PUMP RECOVERY RATE AT 174 GAL/HR. CONDENSER WATER FLOW RATE AT 25GPM AND 20GPM FOR THE EVAPORATOR. 208/3/60 VOLTS AT 70 MOCP POWER SUPPLY. PROVIDE ASME RATED T&P RELIEF VALVE. UNIT COMPLETE WITH ELECTRONIC USER INTERFACE, THERMAL EXPANSION TANK AND HOT WATER RECIRCULATION PUMP STATION BRADLEY MODEL NRS–8 WITH HL80 (559–3080) MIXING VALVE AND WITH TACO 006E3 ECM CIRCULATOR.

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS TABLE C403.11.3 MINIMUM PIPE INSULATION THICKNESS (IN INCHES) a,c

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY (BTUxIN)/(HxFT²x°F) b	MEAN RATING TEMPERATURE °F	<1"	1 TO <1½"	1½" TO <4"	4" TO <8"	8"
> 350	0.32–0.34	250	4.5	5.0	5.0	5.0	5.0
251–350	0.29–0.32	200	3.0	4.0	4.5	4.5	4.5
201–250	0.27–0.30	150	2.5	2.5	2.5	3.0	3.0
141–200	0.25–0.29	125	1.5	1.5	2.0	2.0	2.0
105–140	0.21–0.28	100	1.0	1.0	1.5	1.5	1.5
40–60	0.21–0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20–0.26	50	0.5	1.0	1.0	1.0	1.5

FOR SI: 1" = 25.4mm, °C = [(°)–32]/1.8

a. FOR PIPING SMALLER THAN 1½" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1" SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B) BUT NOT TO A THICKNESS LESS THAN 1".

b. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS:

$$T = r\{(1+t/R)^{K/k} - 1\}$$

WHERE:
T = MINIMUM INSULATION THICKNESS
r = ACTUAL OUTSIDE RADIUS OF PIPE
t = INSULATION THICKNESS LISTED IN THE TABLE APPLICABLE FLUID TEMPERATURE AND PIPE SIZE
K = CONDUCTIVITY OF ALTERNATE MATERIAL AT MEAN RATING TEMPERATURE INDICATED FOR THE APPLICABLE FLUID TEMPERATURE [(BTUxIN)/HxFT²x°F)]
k = THE UPPER VALUE OF THE CONDUCTIVITY RANGE LISTED IN THE TABLE FOR THE APPLICABLE FLUID TEMPERATURE

c. FOR DIRECT–BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1½" (38mm) SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B BUT NOT TO THICKNESSES LESS THAN 1".

SCHEDULE OF EQUIPMENT SERVICE PROVISIONS

FIXTURE DESIGNATION	DRAIN	VENT	WATER SUPPLY	
			CW	HW
WC–1	4"	2"	1"	––
LV–1	1½"	1½"	½"	½"
DF–1	1½"	1½"	½"	––
MS–1	3"	1½"	¾"	¾"
HB–1	––	––	¾"	––
S–1	1½"	1½"	½"	½"
SH–1	2"	1½"	½"	½"
FD–1	3"	1½"	––	––

DOMESTIC WATER HEATER NOTES:

1. PIPE P&T VALVE TO FLOOR DRAIN.
2. PROVIDE BOILER DRAINS FOR EACH HEATER.
3. PROVIDE 4" CONCRETE HOUSEKEEPING PAD UNDER WATER HEATERS AND EXPANSION TANK.
4. PROVIDE UNIONS AT INLET AND OUTLET CONNECTIONS TO ALL EQUIPMENT.
5. ALL VALVES TO BE 1/4 TURN BALL VALVES, FULL PORT, UNLESS OTHERWISE NOTED.
6. INDEPENDENTLY SUPPORT PUMPS AS NECESSARY. ELECTRICAL CONNECTION BY E.C. CONTROL BY THIS CONTRACTOR.
7. MOTORIZED SOLENOID VALVES FOR SAFETY SHUTDOWN SHALL BE INSTALLED WITH AQUASTAT CONTROLLER SET AT +15°F ABOVE DELIVERY TEMPERATURE (ADJUSTABLE). VALVES SHALL BE SELF CONTAINED, AUTOMATIC RESETTING.

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
DANIEL STEINBERG, P.E.
NEW YORK STATE OF LICENSED PROFESSIONAL ENGINEER
NY PROFESSIONAL ENGINEER
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FE PROJECT #: 20–XXX

FORENSIC CONSULTANT	crime lab design
M&P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fusco Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
FP&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ORANGE COUNTY, NEW YORK

SHEET TITLE
PLUMBING SYMBOLS, NOTES AND ABBREVIATIONS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
20 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
P001

NEW CONSTRUCTION KEYED NOTES:

1. IN-WALL IN-DIRECT WASTE RECEPTACLE FOR REFRIGERATOR CONDENSATE LINES.
2. FOR RPZ DRAIN, 10" STORM.

4" STORM OVERFLOW DRAIN TO COW'S TONGUE

4" STORM OVERFLOW DRAIN TO COW'S TONGUE

PROVIDE ACCESSIBLE FUNNEL DRAIN FOR WSHP-7 CONDENSATE DRAIN.

5" STORM OVERFLOW DRAIN TO COW'S TONGUE

10" TO STORM

5" STORM OVERFLOW DRAIN TO COW'S TONGUE

CALLED NORTH

1 PLUMBING SANITARY FLOOR PLAN
SCALE: 1/8"-1'-0"

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
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FORENSIC CONSULTANT	crime lab design
M&P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
I.T./SECURITY CONSULTANT	CONVERGENT TECHNOLOGIES
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

FE PROJECT #: 20-335

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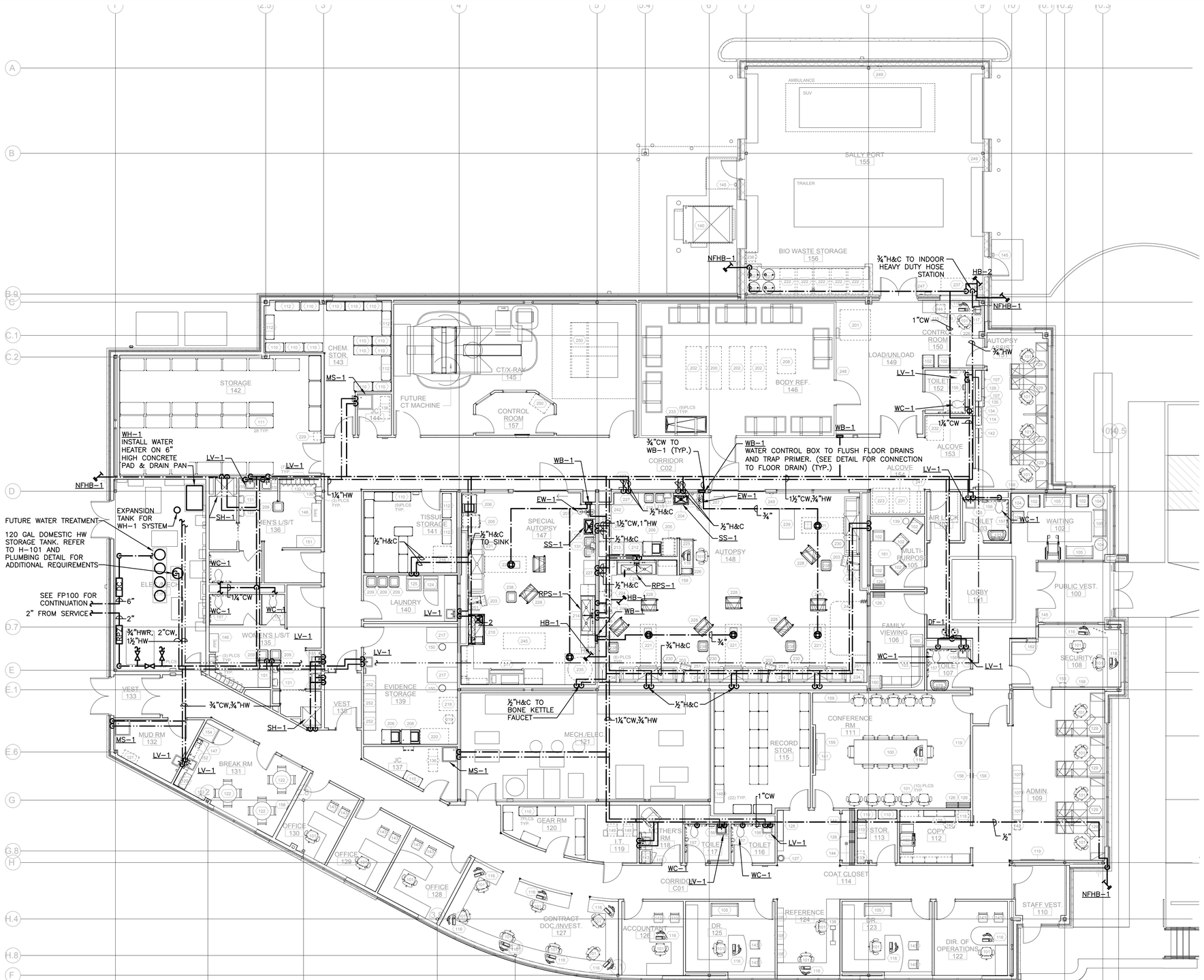
ORANGE COUNTY, NEW YORK

SHEET TITLE
PLUMBING SANITARY FLOOR PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
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CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
P100



1 PLUMBING DOMESTIC WATER FLOOR PLAN
SCALE: 1/8"–1'–0"

CALLED NORTH

GENERAL NOTE:

1. FOR ALL FIXTURE BRANCH SIZES SEE SCHEDULE OF EQUIPMENT SERVICE PROVISIONS ON P–001.

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
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FORENSIC CONSULTANT: crime lab design
M&P CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

ORANGE COUNTY, NEW YORK

SHEET TITLE
PLUMBING DOMESTIC WATER FLOOR PLAN

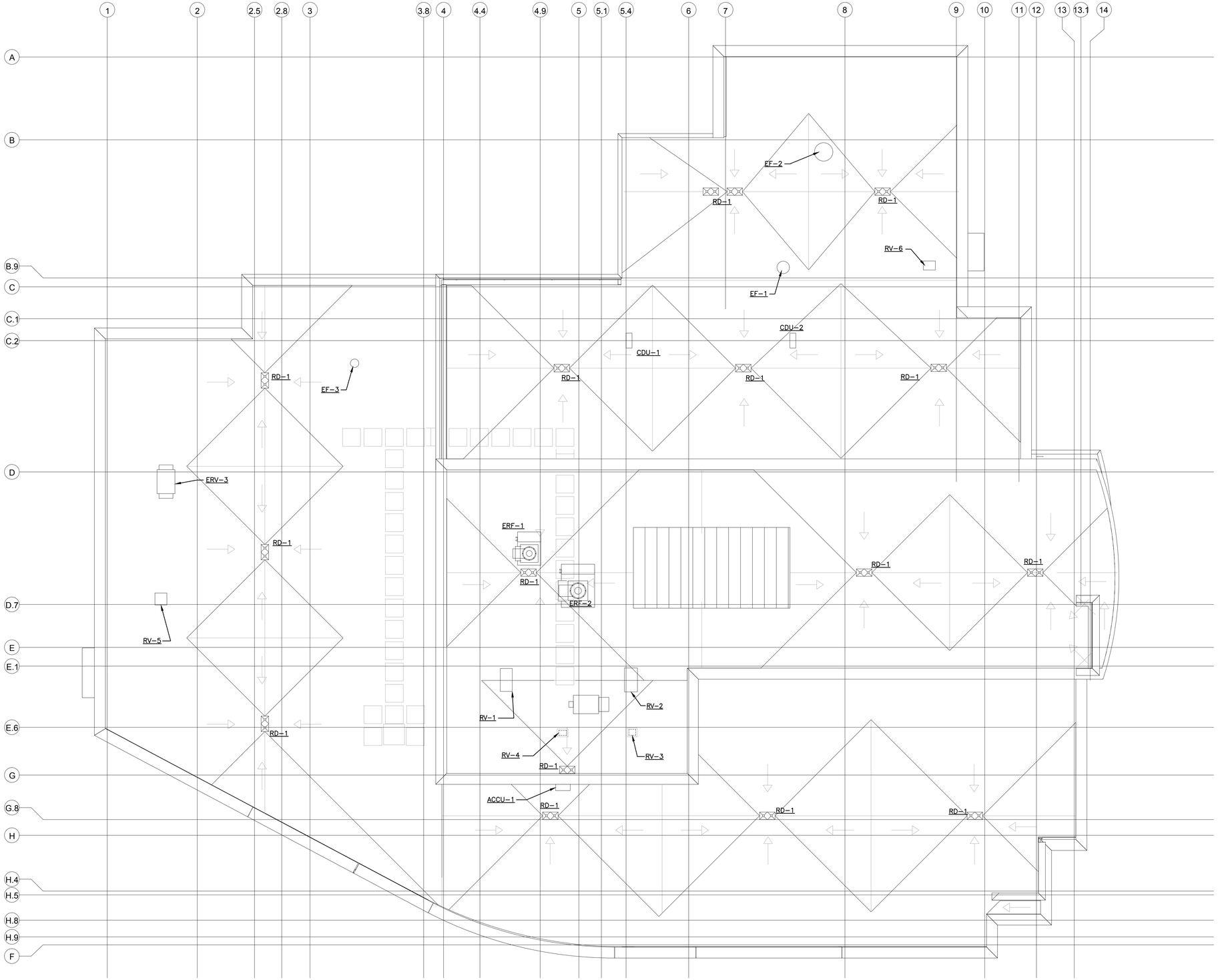
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
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APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
P200

FE PROJECT #: 20-335

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1 **PLUMBING ROOF PLAN**
SCALE: 1/8"=1'-0"

CALLED NORTH

REVISION SCHEDULE		
#	DESCRIPTION	DATE

SEAL
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CIVIL CONSULTANT
Fusco Engineering & Land Surveying P.C.

I.T./SECURITY CONSULTANT
CONVERGENT

FF&E CONSULTANT
CLASSIC CONTRACT INTERIORS, LLC

COST CONSULTANT
STUART-LYNN COMPANY

FORENSIC CONSULTANT
crime lab design

ORANGE COUNTY, NEW YORK

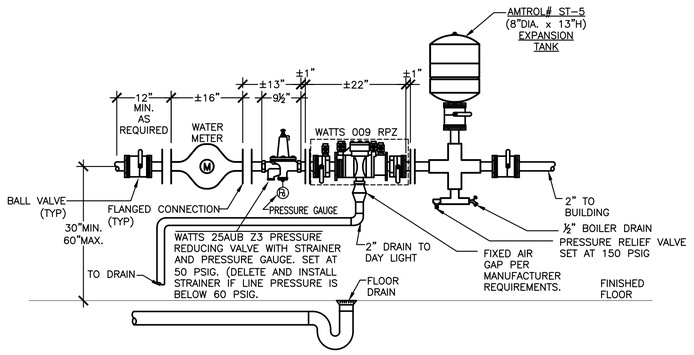
SHEET TITLE
PLUMBING ROOF PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
OSCOEN, NY 10924

DATE:	11/18/2022
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CLIENT APPROVAL	
HHA PROJ. NO.:	2071
CLIENT PROJ. NO.:	

SHEET NUMBER
P300

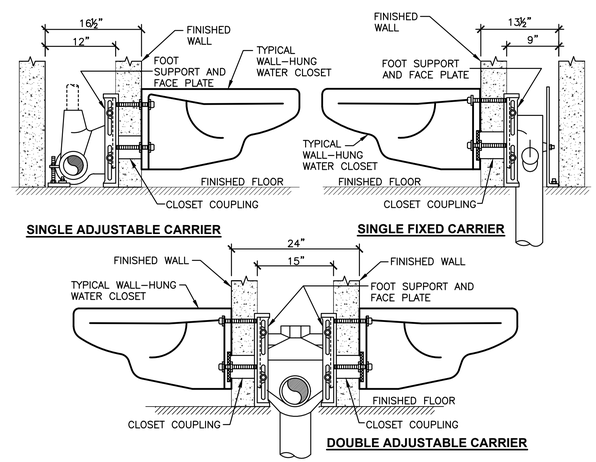
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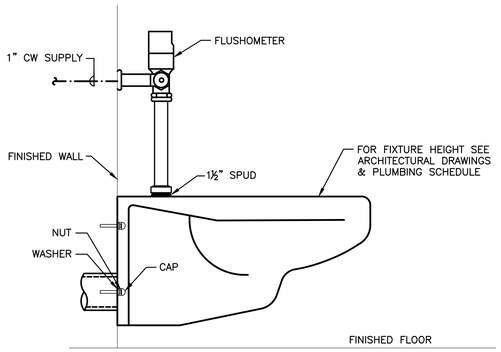
NOTES:

1. PROVIDE 18" MINIMUM BETWEEN BOTTOM OF RELIEF VALVE AND FLOOR.
2. PROVIDE 12" MINIMUM CLEAR SPACE ABOVE ASSEMBLY TO ALLOW FOR SERVICING OF CHECK VALVE.
3. PROVIDE A MINIMUM OF 30" CLEAR SPACE BETWEEN THE FRONT SIDE OF ALL BFP AND NEAREST WALL OR OBSTRUCTION.
4. PROVIDE 12" CLEARANCE FROM BACK SIDE OF DEVICE TO NEAREST WALL.

1 1-1/2" WATER SERVICE WITH RPZ BACKFLOW PREVENTER
N.T.S.

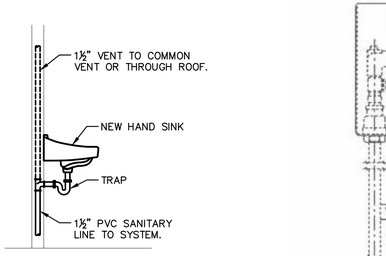


2 WATER CLOSET CARRIER DETAIL
N.T.S.

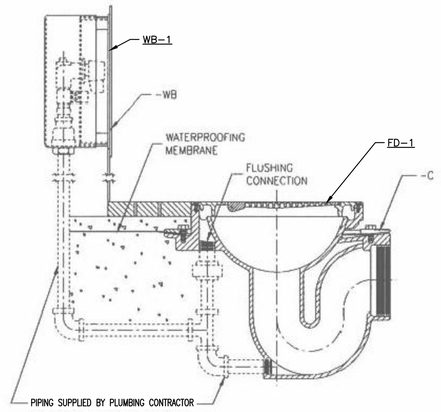


NOTE:
INSTALL PER MANUFACTURER'S REQUIREMENTS

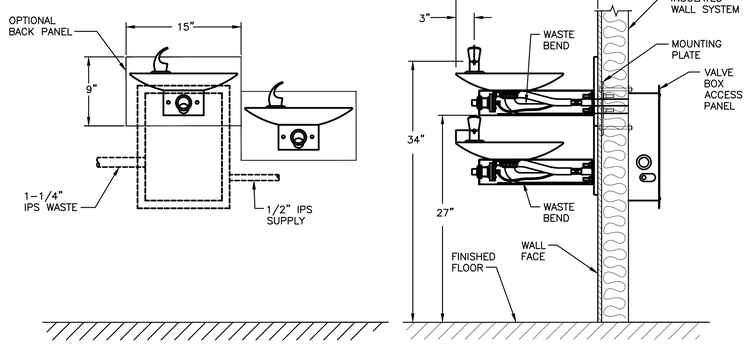
3 WALL MOUNTED FLUSH VALVE DETAIL
N.T.S.



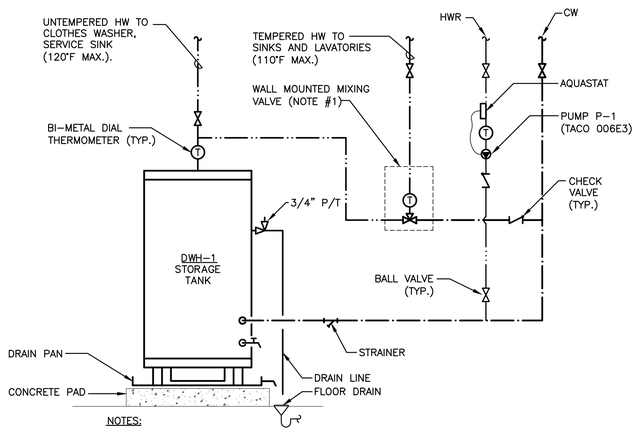
4 SINK DRAINAGE / VENT DETAIL
N.T.S.



5 WATER SUPPLY CONTROL BOX & TRAP PRIMER (WB-1)
N.T.S.



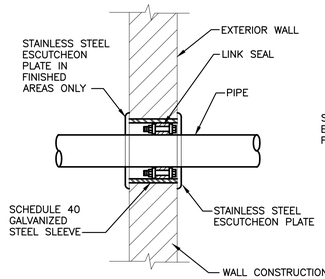
6 BI-LEVEL DRINKING FOUNTAIN DETAIL
N.T.S.



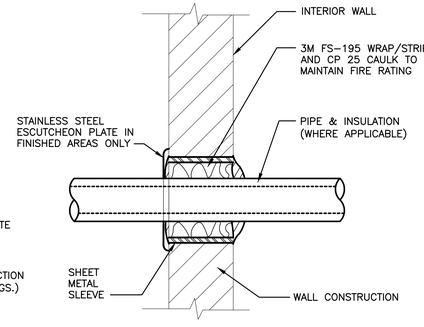
NOTES:

1. BALANCE TO 110°F DISCHARGE TEMP. PER MFR. INSTRUCTIONS. PROVIDE MIXING VALVE RECIRCULATION STATION BRADLEY MODEL NRS-8.
2. SEE WATER SOURCE HEAT PUMP DETAIL 8/P702 FOR LOAD SIDE PIPING ARRANGEMENT.

7 HEAT PUMP WATER HEATER PIPING SCHEMATIC - TEMPERED SUPPLY
N.T.S.



EXTERIOR WALL PENETRATION DETAIL
8
N.T.S.



9 RATED WALL PENETRATION DETAIL
N.T.S.

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#	DESCRIPTION	DATE
	REVISION SCHEDULE	

SEAL
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FP&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
M&P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design
FE PROJECT #: 20-335

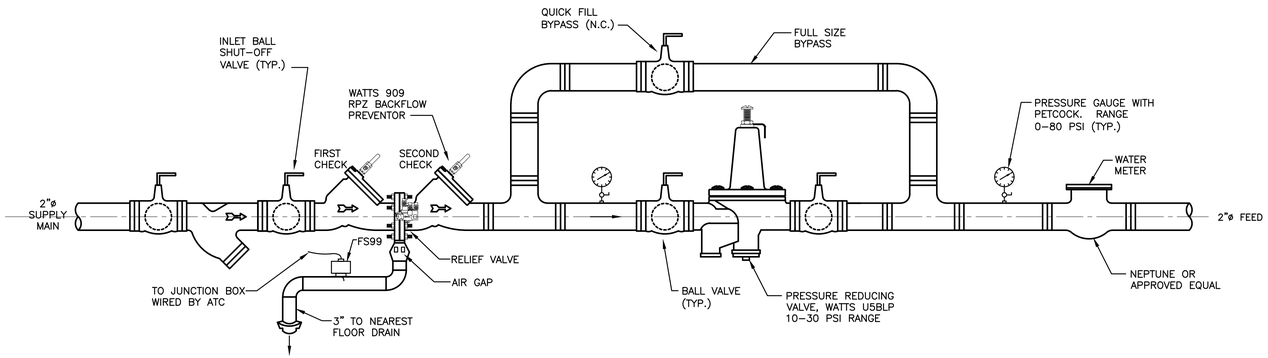
ORANGE COUNTY, NEW YORK

SHEET TITLE
PLUMBING DETAILS

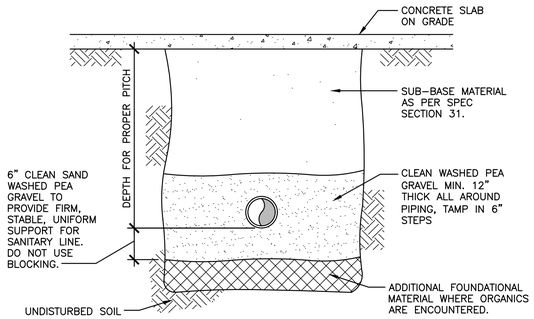
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
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CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

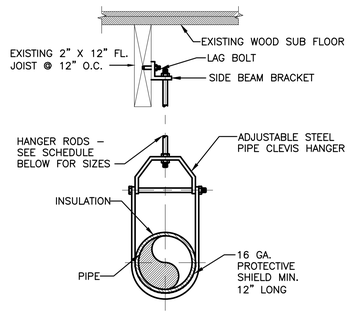
SHEET NUMBER
P701



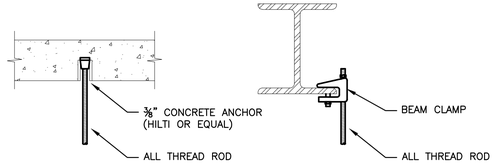
1 HVAC HYDRONIC SYSTEM COLD WATER FILL DETAIL
N.T.S.



2 TYPICAL SANITARY AND STORM DRAINAGE LINE BELOW SLAB DETAIL
N.T.S.

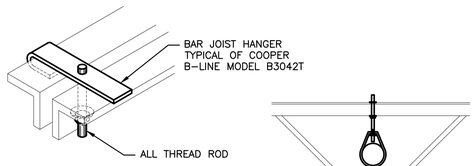


SIDEBEAM HANGER DETAIL



CONCRETE DECK HANGER DETAIL

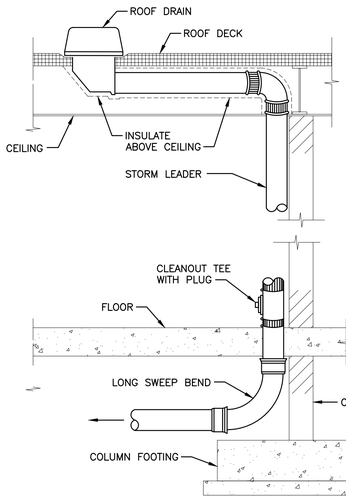
BEAM CLAMP HANGER DETAIL



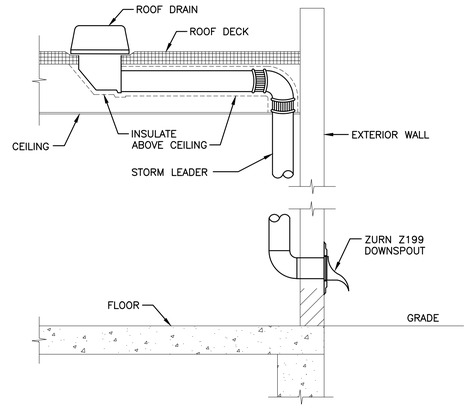
BAR JOIST HANGER DETAIL

HANGER RODS AND VIB. ISOLATORS SCHEDULE		MASON INDUSTRIES AS STANDARD	
		VIBRATION ISOLATOR SIZE	
PIPE SIZE	ROD SIZE	WATER	
3/4" THRU 1 1/4" DIA.	3/8"	HS-A-45	
1 1/2" through 2" DIA.	3/8"	HS-A-75	
2 1/2" DIA.	1/2"	HS-A-125	
3" DIA.	1/2"	HS-A-200	
4" DIA.	5/8"	HS-A-200	

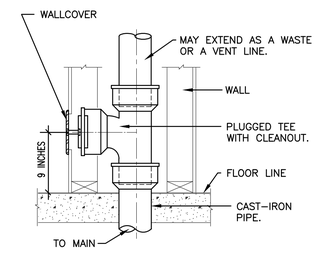
3 TYPICAL PIPE HANGER DETAILS
N.T.S.



4 TYPICAL STORM LEADER DETAIL
N.T.S.



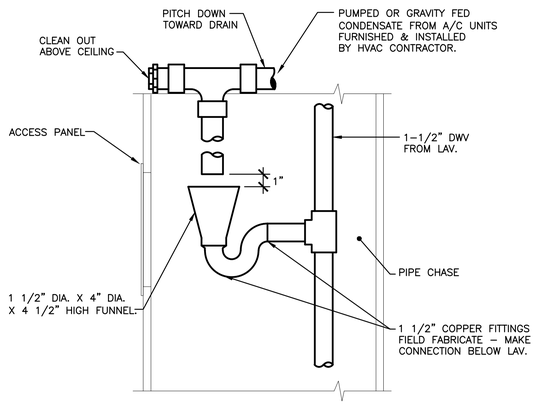
5 TYPICAL STORM OVERFLOW LEADER DETAIL
N.T.S.



ROUND: ZURN Z-1446
(T, PLUG & ROUND COVER)

SQUARE: ZURN Z-1447
(T, PLUG & SQUARE ACCESS PANEL)

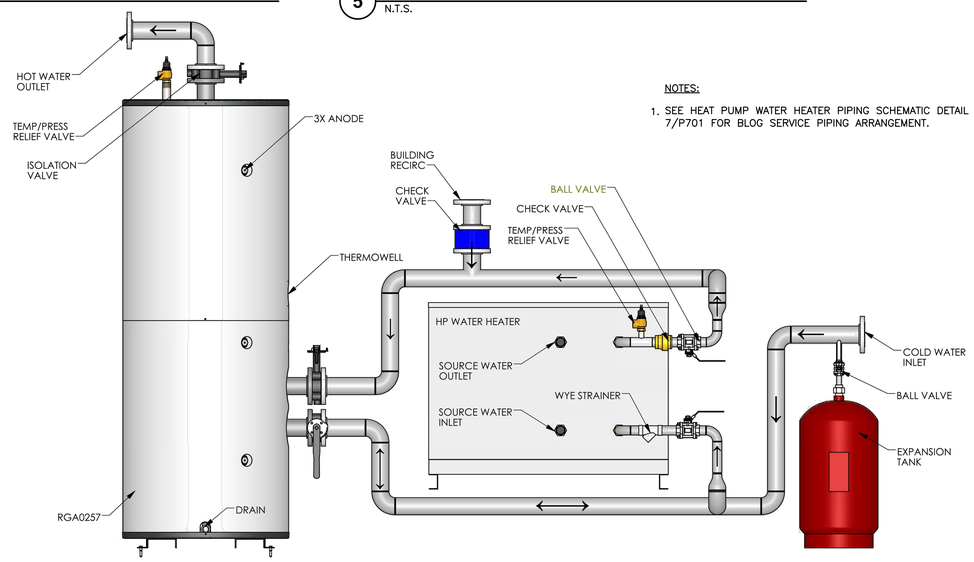
6 WALL CLEANOUT DETAIL
N.T.S.



7 FUNNEL DRAIN DETAIL
N.T.S.

NOTES:

1. SEE HEAT PUMP WATER HEATER PIPING SCHEMATIC DETAIL 7/P701 FOR BLOG SERVICE PIPING ARRANGEMENT.



8 WATER SOURCE HEAT PUMP WATER HEATER PIPING ARANGEMENT
N.T.S.

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL
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FORENSIC CONSULTANT: crime lab design
M&P CONSULTANT: FELLENZER ENGINEERING
CIVIL CONSULTANT: Fusco Engineering & Land Surveying P.C.
I.T./SECURITY CONSULTANT: CONVERGENT TECHNOLOGIES
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT: STUART-LYNN COMPANY

FE PROJECT #: 20-XXX

ORANGE COUNTY, NEW YORK

SHEET TITLE: PLUMBING DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	AS SHOWN
DRAWN BY:	ZR
CHECKED BY:	DSS
APPROVED:	MDF
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
P702

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LOW VOLTAGE SYSTEMS SYMBOL LEGEND

SYMBOL:	DESCRIPTION:	BACKBOX:	CONDUITS:	MOUNTING HEIGHT:	ELECTRONICS:	TELECOM CABLE:	POWER REQUIREMENTS:
X	STANDARD TELECOMMUNICATION OUTLET	2-GANG BOX WITH 1-GANG TRIM RING	ONE (1) 1" EC	OUTLET HEIGHT	N/A	"X" CATEGORY 6 CABLES	N/A
W 1	WALL PHONE OUTLET	2-GANG BOX WITH 1-GANG TRIM RING	ONE (1) 1" EC	SWITCH HEIGHT	N/A	ONE (1) CATEGORY 6 CABLE	N/A
X AV	MULTI-MEDIA FLOORBOX	WIREMOLD EFB6S	THREE (3) 1-1/4" EC	IN FLOOR	N/A	"X" CATEGORY 6 CABLES	120VAC DUPLEX RECEPTACLE
WAP	WIRELESS ACCESS POINT	N/A	N/A	CEILING MOUNTED	OFCI WIRELESS ACCESS POINT	TWO (2) CATEGORY 6A CABLES WITH 15' SERVICE LOOP	POE
3	3-GANG MULTI-MEDIA WALLBOX	3-GANG BOX	TWO (2) 1-1/4" EC	OUTLET HEIGHT	N/A	N/A	N/A
5	5-GANG MULTI-MEDIA WALLBOX	5-GANG BOX	THREE (3) 1-1/4" EC	OUTLET HEIGHT	N/A	N/A	N/A
CP	REMOTE CONTROL PANEL	2-GANG BOX	ONE (1) 1" EC	SWITCH HEIGHT	REMOTE CONTROL PANEL	ONE (1) CATEGORY 6 CABLE	REMOTE LOW VOLTAGE POWER
RS	ROOM SCHEDULER TOUCH SCREEN	N/A WHEN GLASS MOUNTED, 2-GANG BOX WHEN WALL MOUNTED	ONE (1) 1" EC WHEN WALL MOUNTED	SWITCH HEIGHT	N/A	ONE (1) CATEGORY 6 CABLE	POE
VC	VIDEO TELECONFERENCING CAMERA	CUSTOM BACK BOX	ONE (1) 1" EC	96" AFF	VIDEO TELECONFERENCING CAMERA	N/A	REMOTE LOW VOLTAGE POWER
AV	AUDIOVISUAL EQUIPMENT RACK	N/A	N/A	ON FLOOR	N/A	N/A	(2) DEDICATED 20-AMP,120V CIRCUTS W/ DUPLEX RECEPTACLE
D X	"X" INCHES DIAGONAL FLAT PANEL DISPLAY	FSR PWB-100	TWO (2) 1-1/4" EC	56" AFF	FLAT PANEL DISPLAY	FOUR (4) CATEGORY 6 CABLES	120VAC DUPLEX RECEPTACLE
DS X	"X" INCHES DIAGONAL DIGITAL SIGNAGE FLAT PANEL DISPLAY	FSR PWB-100	TWO (2) 1-1/4" EC	66" AFF	FLAT PANEL DISPLAY	TWO (2) CATEGORY 6 CABLES	120VAC DUPLEX RECEPTACLE
CM	CEILING MICROPHONE	CUSTOM BACK BOX	N/A	CEILING MOUNTED	MICROPHONE	N/A	REMOTE LOW VOLTAGE POWER
LS	CEILING RECESSED PERIMETER LOUDSPEAKER	CUSTOM BACK BOX	N/A	CEILING RECESSED	LOUDSPEAKER	N/A	N/A
D	ELECTRONIC ACCESS CONTROL DOOR	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	N/A	REMOTE LOW VOLTAGE POWER
M	ELECTRONIC ACCESS CONTROL DOOR - MONITOR ONLY	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	N/A	REMOTE LOW VOLTAGE POWER
CR	CARD READER	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC	REFER TO ACCESS CONTROL DOOR DETAILS	CARD READER	N/A	REMOTE LOW VOLTAGE POWER
1	INTERIOR FISHEYE SECURITY CAMERA	SURFACE MOUNTED BISCUIT BOX ABOVE CEILING	N/A	CEILING MOUNTED	VIDEO CAMERA	ONE (1) CATEGORY 6 CABLE	POE
2	INTERIOR FIXED SECURITY CAMERA	SURFACE MOUNTED BISCUIT BOX ABOVE CEILING	N/A	CEILING MOUNTED	VIDEO CAMERA	ONE (1) CATEGORY 6 CABLE	POE
3	EXTERIOR FIXED SECURITY CAMERA	2-GANG BOX TO INTERIOR OF BUILDING	N/A	WALL MOUNTED	VIDEO CAMERA	ONE (1) CATEGORY 6 CABLE	POE
4	360° MULTI-SENSOR SECURITY CAMERA	2-GANG BOX TO INTERIOR OF BUILDING	N/A	WALL MOUNTED	VIDEO CAMERA	ONE (1) CATEGORY 6 CABLE	POE
VI	VIDEO INTERCOM STATION	CUSTOM BACK BOX	ONE (1) 1" EC	48" AFF	VIDEO INTERCOM STATION	ONE (1) CATEGORY 6 CABLE	REMOTE LOW VOLTAGE POWER

LOW VOLTAGE SYSTEM SHEET LIST

Sheet Number	Sheet Name
TA001	LOW VOLTAGE SYSTEMS TITLESHEET
TA002	LV SITE PLAN ENABLING
TA003	LV OUTSIDE PLANT
TA100	LOW VOLTAGE FLOOR PLAN
TA200	LV REFLECTED CEILING PLAN
TA300	ENLARGED LOW VOLTAGE DETAILS - I.T. ROOM 119
TA401	TYPICAL LOW VOLTAGE DEVICE DETAILS
TA411	TYPICAL LOW VOLTAGE INFRASTRUCTURE DETAILS
TA500	TYPICAL ELECTRONIC ACCESS CONTROL DOOR DETAILS
TA700	AV SIGNAL FLOW

TA SERIES SHEET NOTES

1. ALL CONDUIT, BACK BOXES, AND AC POWER REQUIREMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
2. ANY CONDUIT TERMINATIONS AT CONSOLE OR EQUIPMENT RACK LOCATIONS SHOULD BE ACCESSIBLE.
3. EACH LOW VOLTAGE OUTLET SHALL INCLUDE A 200lb TEST PULL WIRE TO ACCESSIBLE AFC OR CABLE TRAY UNLESS OTHERWISE NOTED.
4. AC POWER CIRCUITS OUTLINED FOR USE WITH THE LOW VOLTAGE ELEMENTS SHALL BE TIED TO A SINGLE PHASE OF THE ELECTRICAL POWER SUPPLY.
5. REFERENCE ELECTRICAL DIVISION 26 00 00 SPECIFICATION FOR CONDUIT SPECIFICATIONS.
6. COORDINATE CEILING MOUNTED ELEMENTS WITH ARCHITECTURAL CEILING PLANS.
7. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL BOX LOCATIONS AND DIMENSIONS.
8. ALL TELECOM CONDUITS ARE TO RUN FROM BACK BOX TO ACCESSIBLE AFC UNLESS DETAILED OTHERWISE.
9. NOTES ON INDIVIDUAL DRAWING SHEETS SUPERSEDE THE ABOVE REQUIREMENTS.

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(518) 452-3470
www.hymanhayes.com

COST CONSULTANT: STUART-LYNN COMPANY
FP&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: JRS Jensen Hughes Technologies
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
ME/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE
LOW VOLTAGE SYSTEMS TITLESHEET

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/16/2022
SCALE:	As indicated
DRAWN BY:	KF
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL:	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
TA001

EXISTING CONDUIT PATHWAY FOR OPTICAL FIBER FROM THE 911 CENTER DATA CENTER TO THE SHERIFF OFFICE TELECOMMUNICATIONS ROOM - FIELD VERIFY.
APPROX DISTANCE 4200 FEET



NEW SIX (6) 4" CONDUIT PATHWAY, WITH TWO (2) THREE CELL FABRIC INNERDUCT IN EACH DUCT, FROM THE HANDHOLE IN FRONT OF THE 911 CENTER TO THE HANDHOLE ON WELLS FARM ROAD.

EXISTING HANDHOLE LOCATIONS.
FIELD VERIFY

EXISTING HANDHOLE LOCATIONS - FIELD VERIFY EXACT LOCATIONS

1 / TA002 LV SITE PLAN ENABLING
SCALE: 12" = 1'-0"

NOT TO SCALE

SHEET NOTES

A. ENABLING

a. PROVIDE ONE (1) 48 STRAND OS2 SINGLEMODE OPTICAL FIBER FROM THE ORANGE COUNTY EMERGENCY SERVICES CENTER - DATA CENTER TO THE SHERIFF OFFICE TELECOMMUNICATIONS ROOM.
APPROX DISTANCE 4200 FEET.

b. THE 48 STRAND OS2 SINGLEMODE OPTICAL FIBER TO BE ONE CONTINUOUS CABLE. CABLE SHALL NOT BE SPLICED.

c. THE EXISTING SINGLEMODE OPTICAL FIBER CABLE CANNOT BE REMOVED/ DEMOED UNTIL EXISTING OPTICAL FIBER HAS BEEN REPLACED AND THE NETWORK IS FULLY FUNCTIONAL.

B. CONDUITS

a. THE EXISTING CONDUITS THAT RUN FROM THE HANDHOLE AT WELLS FARM ROAD TO THE HANDHOLE IN FRONT OF THE ORANGE COUNTY EMERGENCY SERVICES CENTER (THESE CONDUIT RUN ACROSS THE EMERGENCY SERVICES CENTER PARKING LOT) CANNOT BE REMOVED UNTIL EXISTING OPTICAL FIBER HAS BEEN REPLACED AND THE NETWORK IS FULLY FUNCTIONAL.

THE NETWORK CONECTIONS INCLUDES:
- CURRENT NETWORK/VOICE CARRIERS:
  1. SPECTRUM LINK
  2. CROWN CASTLE
  3. FRONTIER
- PRIVATE OPTICAL FIBER:
  1. SHERIFF OFFICE/JAIL OPTICAL FIBER. SEE "A. a" ABOVE.

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800 Troy-Schenectady Road
Suite 101, PO Box 13110
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT: crime lab design	ME/P CONSULTANT: FELLENZER ENGINEERING	CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC	I.T./SECURITY CONSULTANT: JAMESTOWN TECHNOLOGIES	FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC	COST CONSULTANT: STUART-LYNN COMPANY

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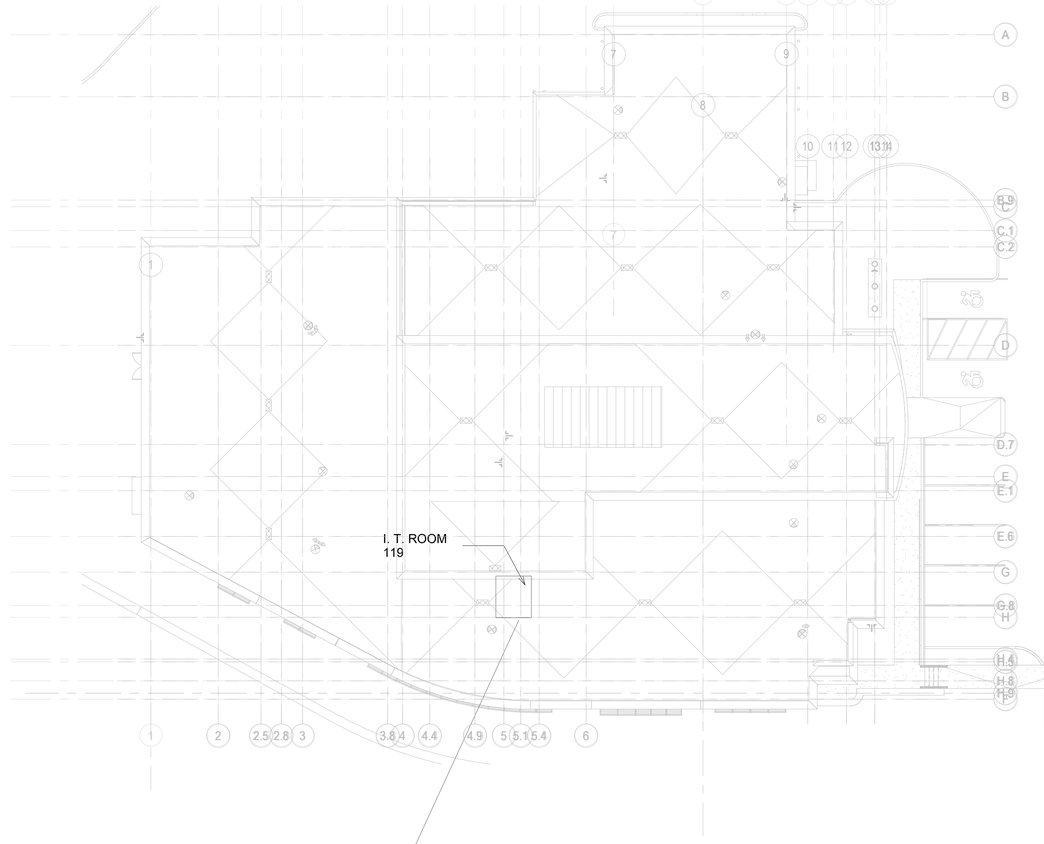
ORANGE COUNTY, NEW YORK

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE
LV SITE PLAN ENABLING

DATE:	11/18/2022
SCALE:	12" = 1'-0"
DRAWN BY:	Author
CHECKED BY:	Checker
APPROVED:	Approver
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
TA002



PROVIDE SIX (6) 4" CONDUITS FROM IT ROOM 119 AND SPICE TO THE EXISTING CONDUITS THAT ARE RUN FROM THE EXISTING TELECOMMUNICATIONS HANDHOLE ON WELLS FARM ROAD

PROVIDE ONE (1) 24 STRAND OS 2 SINGLEMODE OPTICAL FIBER TO 911 CENTER DATA CENTER

1 / TA003 SITE OSP
SCALE: 1/16" = 1'-0"

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(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT	M/E/P CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
crime lab design	FELLENZER ENGINEERING	Fusco Engineering & Land Surveying PC	Convergent Technologies	CLASSIC CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

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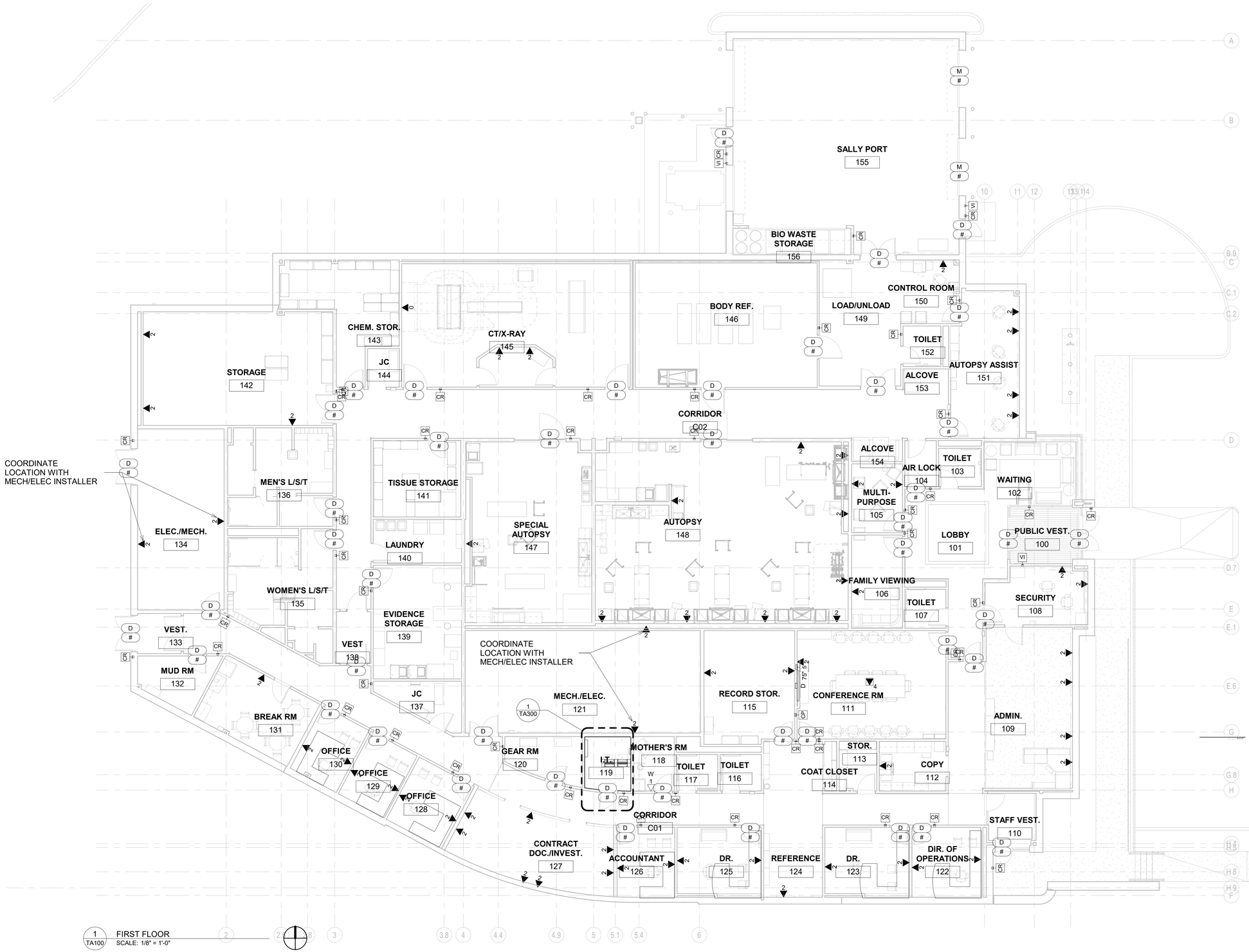
ORANGE COUNTY, NEW YORK

SHEET TITLE
LV OUTSIDE PLANT

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/16" = 1'-0"
DRAWN BY:	AE
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
TA003



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HYMAN HAYES ASSOCIATES
800 Troy-Schenectady Road
Suite 101
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

FORENSIC CONSULTANT	crime lab design
M/E/P CONSULTANT	FELLENZER ENGINEERING
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
I.T./SECURITY CONSULTANT	JAS Communications Technologies
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
COST CONSULTANT	STUART-LYNN COMPANY

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ORANGE COUNTY, NEW YORK

SHEET TITLE
LOW VOLTAGE FLOOR PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/8" = 1'-0"
DRAWN BY:	Author
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

TA100



1 / TA200 FIRST FLOOR RCP
SCALE: 1/8" = 1'-0"

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(518) 452-3470
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COST CONSULTANT	STUART-LYNN COMPANY
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	Convergent Technologies
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
ME/P CONSULTANT	FELLENZER
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

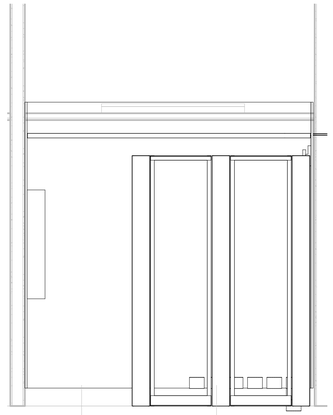
SHEET TITLE:
LV REFLECTED CEILING PLAN

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

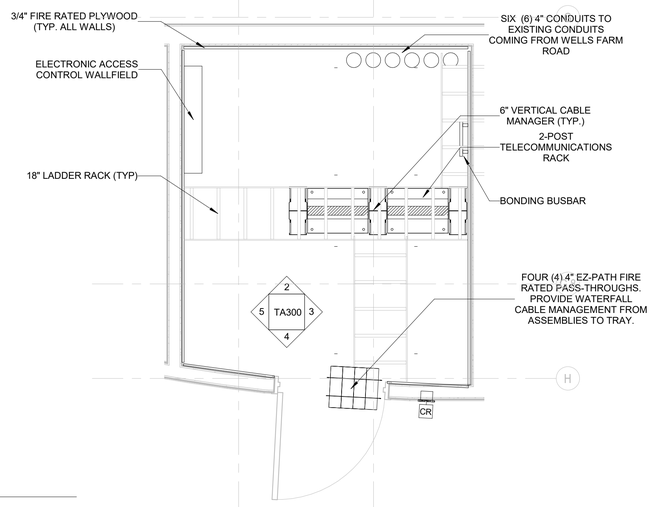
DATE:	11/18/2022
SCALE:	1/8" = 1'-0"
DRAWN BY:	KF
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

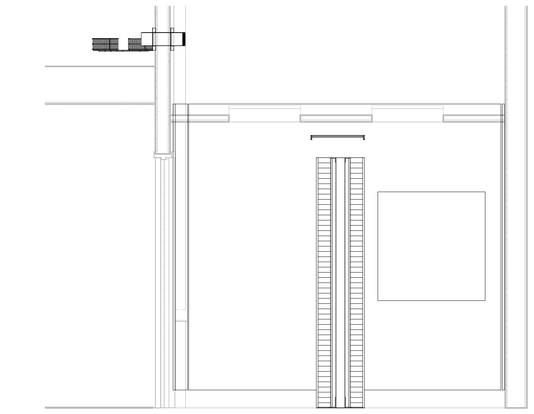
TA200



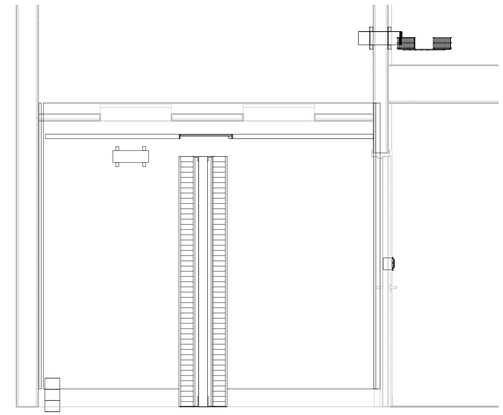
2 TA300 I.T. ROOM 119 ELEVATION NORTH
SCALE: 1/2" = 1'-0"



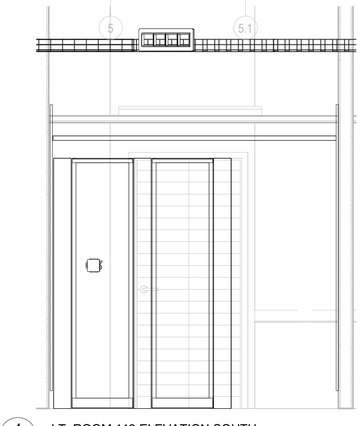
1 TA300 I.T. ROOM 119 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



5 TA300 I.T. ROOM 119 ELEVATION WEST
SCALE: 1/2" = 1'-0"



3 TA300 I.T. ROOM 119 ELEVATION EAST
SCALE: 1/2" = 1'-0"



4 TA300 I.T. ROOM 119 ELEVATION SOUTH
SCALE: 1/2" = 1'-0"

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FORENSIC CONSULTANT	ME/P CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
crime lab design	FELLENZER ENGINEERING	Fusco Engineering & Land Surveying PC	Convergence Technologies	CLASSIC CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

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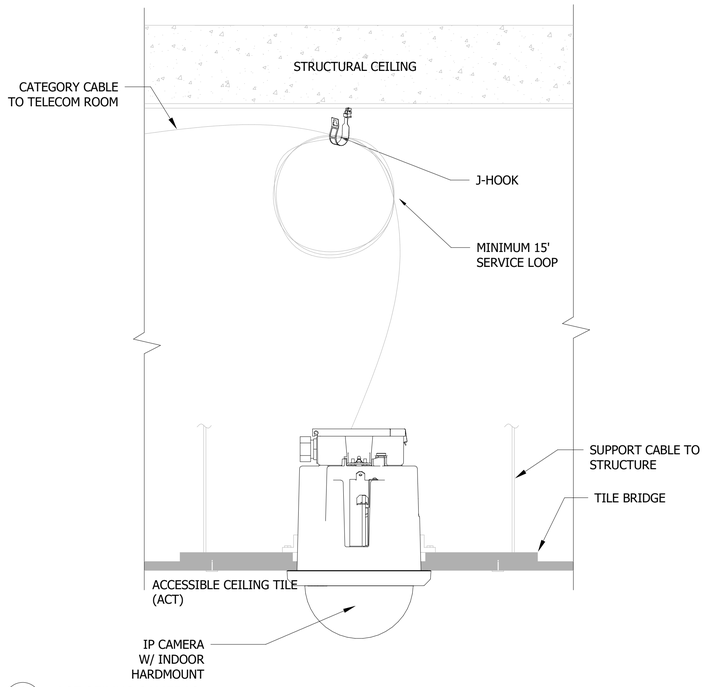
ORANGE COUNTY, NEW YORK

SHEET TITLE
ENLARGED LOW VOLTAGE DETAILS - I.T. ROOM 119

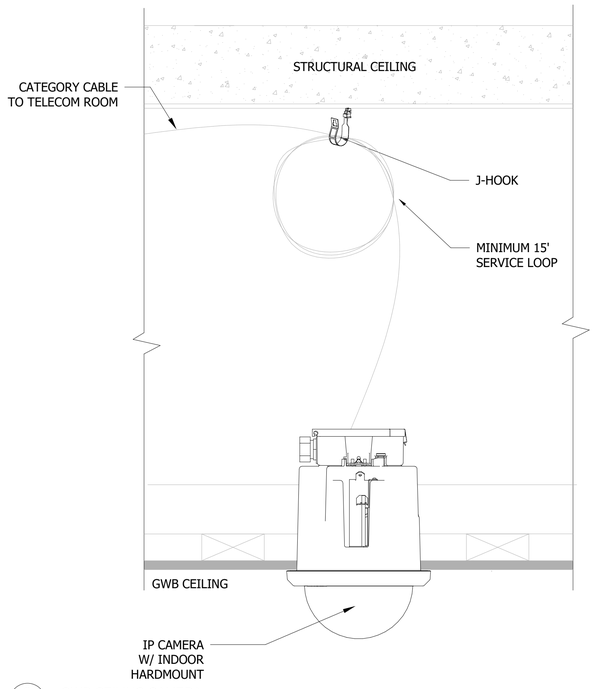
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	1/2" = 1'-0"
DRAWN BY:	KF
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

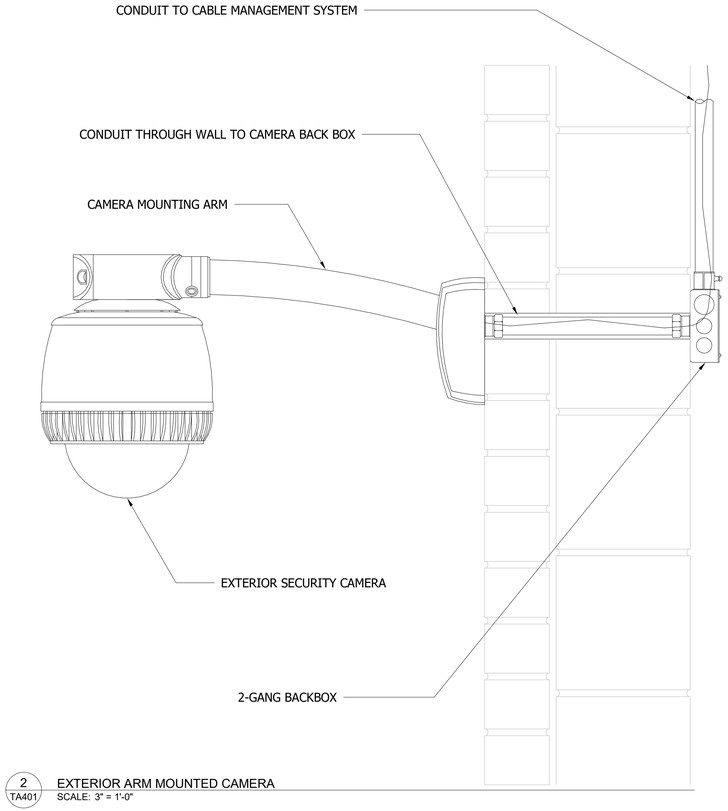
SHEET NUMBER
TA300



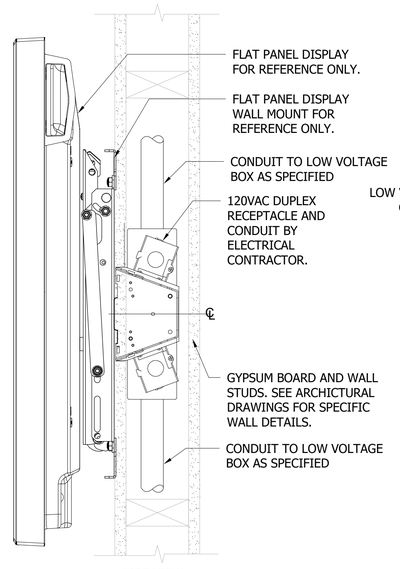
1 TA401 ACT CEILING CAMERAS
SCALE: 3" = 1'-0"



3 TA401 GWB CEILING CAMERA
SCALE: 3" = 1'-0"



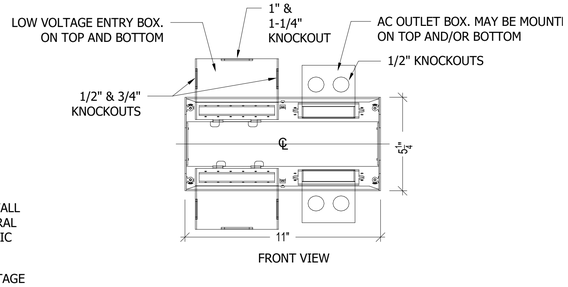
2 TA401 EXTERIOR ARM MOUNTED CAMERA
SCALE: 3" = 1'-0"



SIDE VIEW

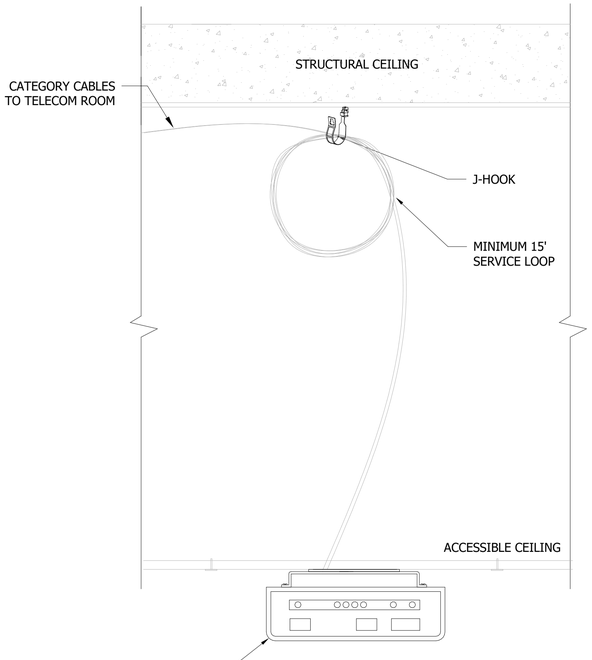
PWB-100 FLAT PANEL DISPLAY WALLBOX

PROVIDE ARCHITECTURAL AND/OR STRUCTURAL WALL REINFORCEMENT AS REQUIRED TO SUPPORT WEIGHT OF DISPLAY AND MOUNT. REFER TO AV DRAWINGS AND SPECS FOR MAKE AND MODEL OF FLAT PANEL DISPLAY AND MOUNT. LOW VOLTAGE CONTRACTOR TO PURCHASE AND INSTALL DEVICE PLATES FOR TERMINATIONS AS REQUIRED BY AV AND/OR TELECOMMUNICATIONS DRAWINGS AND SPECS.



FRONT VIEW

4 TA401 FSR PWB -100
SCALE: 3" = 1'-0"



5 TA401 ACT WAP WITH BISCUIT JACK
SCALE: 3" = 1'-0"

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www.hymanhayes.com

COST CONSULTANT: STUART-LYNN COMPANY
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I.T./SECURITY CONSULTANT: JENSEN HUGHES TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

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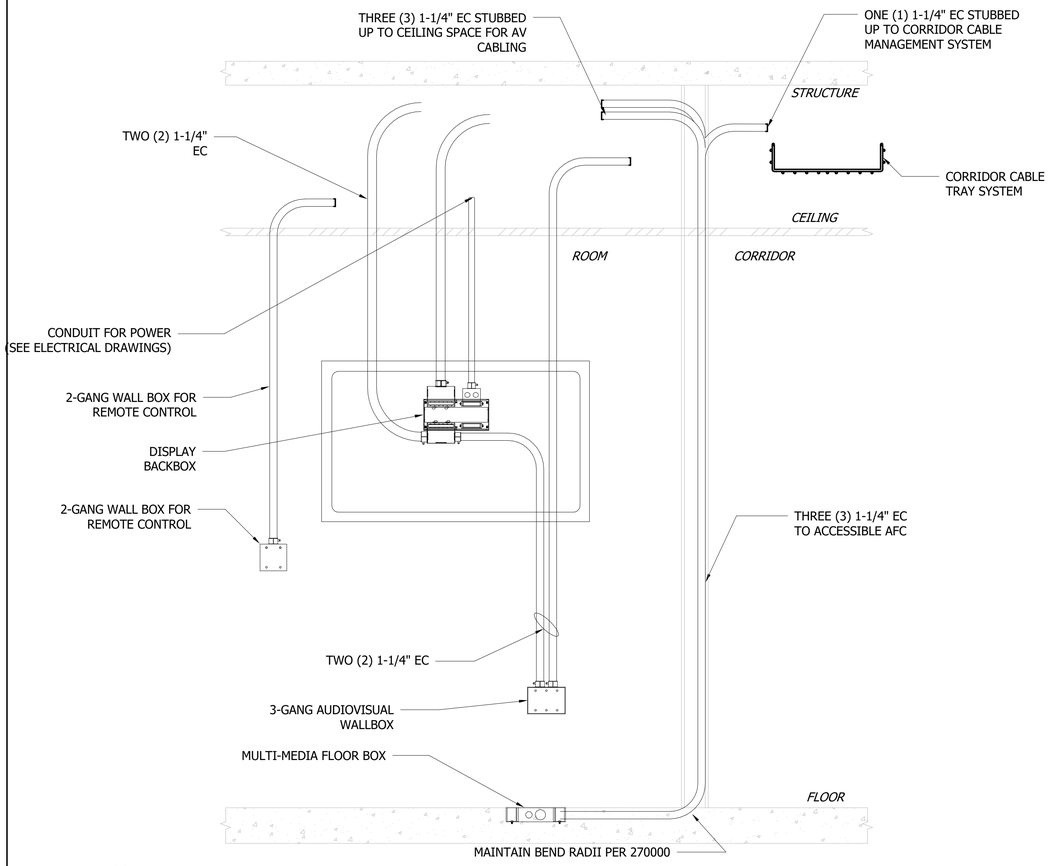
SHEET TITLE:
TYPICAL LOW VOLTAGE DEVICE DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

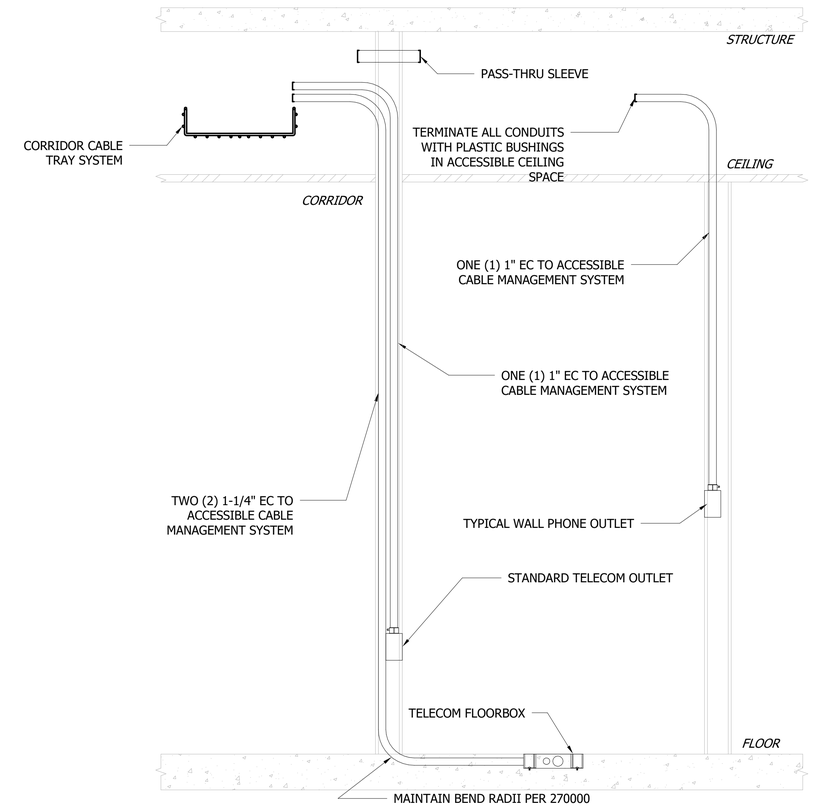
DATE:	11/18/2022
SCALE:	3" = 1'-0"
DRAWN BY:	KF
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER

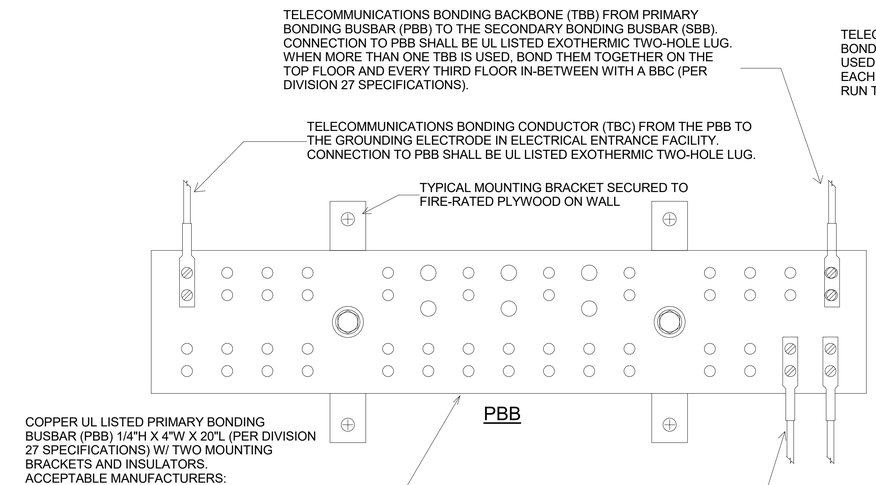
TA401



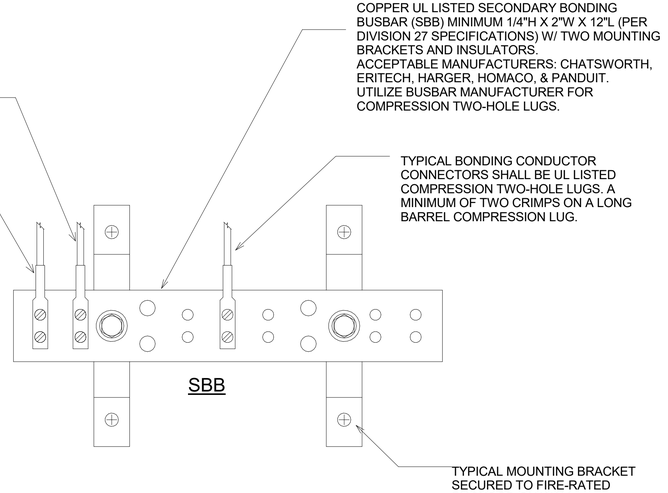
1 TA411 CONFERENCE ROOM INFRASTRUCTURE DETAIL
SCALE: 1" = 1'-0"



2 TA411 TYPICAL TELECOM INFRASTRUCTURE DETAILS
SCALE: 1" = 1'-0"



SIZING OF THE TBB/BCC/TBC	
LENGTH (FEET)	SIZE (AWG)
LESS THAN (<) 13'	#6
14' - 20'	#4
21' - 26'	#3
27' - 33'	#2
34' - 41'	#1
42' - 52'	#1/0
53' - 66'	#2/0
67' - 84'	#3/0
85' - 105'	#4/0
106' - 125'	250 KCMIL
126' - 150'	300 KCMIL
151' - 175'	350 KCMIL
176' - 250'	500 KCMIL
251' - 300'	600 KCMIL
GREATER THAN (>) 301'	750 KCMIL



PROVIDE PBB AT TELECOMMUNICATIONS ENTRANCE ROOM AND SBB IN TYPICAL TELECOMMUNICATIONS SPACES

3 TA411 TELECOMMUNICATIONS GROUNDING DETAILS
SCALE: 6" = 1'-0"

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — Kenneth E Furman — BICSI ID # 133792 — EXPIRES 12-31-22 — RCDD

ARCHITECT/INTERIOR DESIGN/STRUCTURAL ENGINEER
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(518) 452-3470
www.hymanhayes.com

COST CONSULTANT: STUART-LYNN COMPANY
FF&E CONSULTANT: CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT: JAMES G. DAVIDSON TECHNOLOGIES
CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
M/E/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

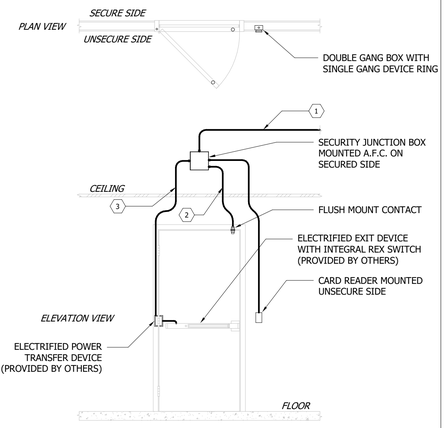
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

SHEET TITLE: TYPICAL LOW VOLTAGE INFRASTRUCTURE DETAILS

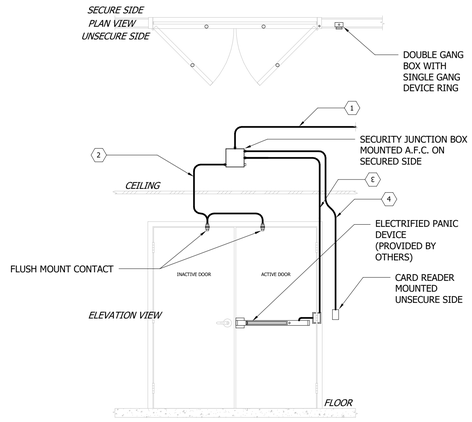
DATE:	11/18/2022
SCALE:	As indicated
DRAWN BY:	KF
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
TA411

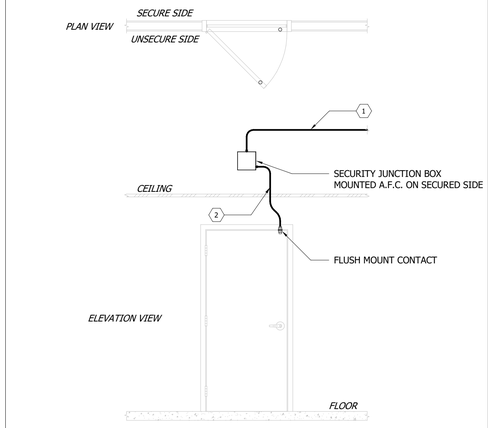
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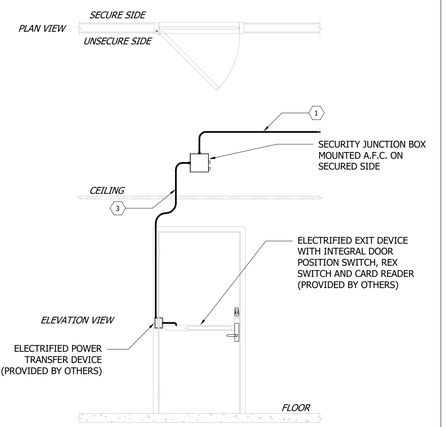
D11 DOOR TYPE D11
Scale: NTS



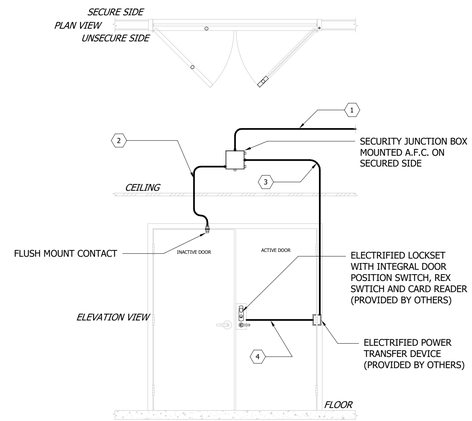
D21 DOOR TYPE D21
Scale: NTS



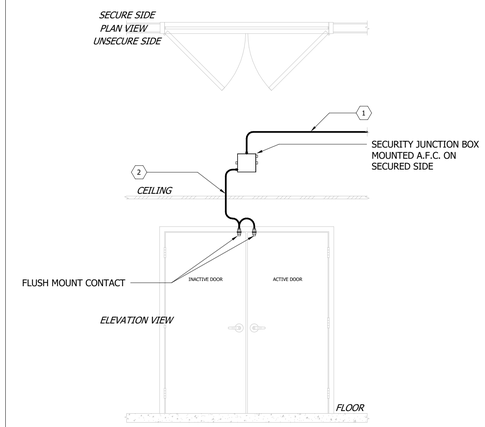
M1 DOOR TYPE M1
Scale: NTS



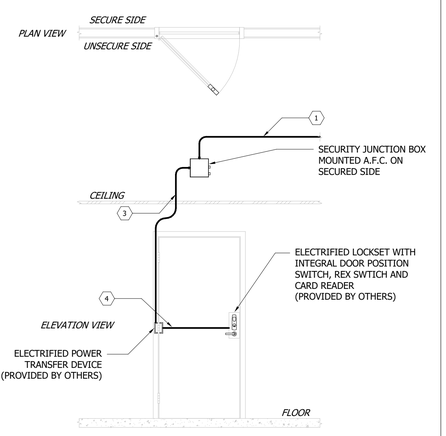
D12 DOOR TYPE D12
Scale: NTS



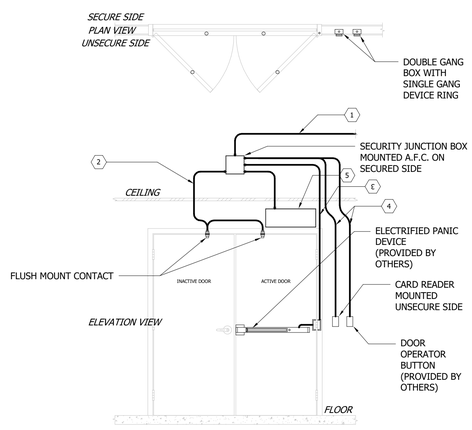
D22 DOOR TYPE D22
Scale: NTS



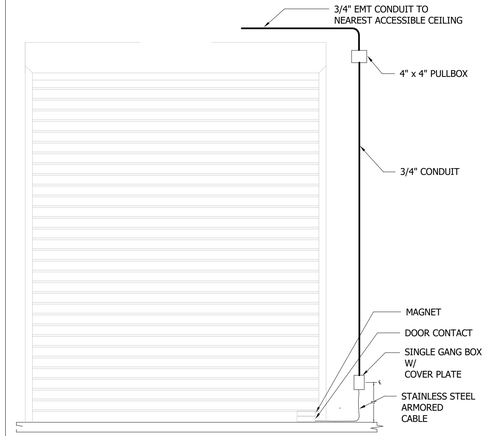
M2 DOOR TYPE M2
Scale: NTS



D13 DOOR TYPE D13
Scale: NTS



D23 DOOR TYPE D23
Scale: NTS



OH DOOR TYPE OH
Scale: NTS

KEY LEGEND

1. ONE (1) 1" EC FROM SECURITY JUNCTION BOX TO NEAREST ACCESSIBLE CEILING.
2. ONE (1) 3/4" EC FROM SECURITY JUNCTION BOX TO DOOR CONTACT MOUNT LOCATION.
3. ONE (1) 3/4" EC FROM SECURITY JUNCTION BOX STUBBED BEHIND DOOR FRAME TO ELECTRIFIED POWER TRANSFER DEVICE.
4. ONE (1) 3/8" CORE DRILL THROUGH DOOR TO LOCKSET (PROVIDED BY OTHERS).
5. DOOR AUTO OPERATOR (PROVIDED BY OTHERS)

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Kenneth E Furman
BICSI ID # 133792
EXPIRES 12-31-22
RCDD

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COST CONSULTANT	STUARTLYNN COMPANY
FF&E CONSULTANT	CLASSIC CONTRACT INTERIORS, LLC
I.T./SECURITY CONSULTANT	JAMESON TECHNOLOGIES
CIVIL CONSULTANT	Fusco Engineering & Land Surveying PC
ME/P CONSULTANT	FELLENZER ENGINEERING
FORENSIC CONSULTANT	crime lab design

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ORANGE COUNTY, NEW YORK

SHEET TITLE
TYPICAL ELECTRONIC ACCESS CONTROL DOOR DETAILS

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	3/8" = 1'-0"
DRAWN BY:	KF
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
TA500

EQUIPMENT LOCATED AT FLOORBOXES

CABLE RING
LIBERTY AV DL-RDA
ADP-01
HDMI
FB1 INPUT PLATE
HDMI INPUT
CRESTRON
DM-TX-4K-100-C-1G
TX-01
DM TRANSMITTER
DM OUTPUT 1
TO MS-01
DM
FB1

CABLE RING
LIBERTY AV
DL-RDA
ADP-01
HDMI
FB2 INPUT PLATE
HDMI INPUT
CRESTRON
DM-TX-4K-100-C-1G
TX-02
DM TRANSMITTER
DM OUTPUT 1
TO MS-01
DM
FB2

WALL MOUNTED EQUIPMENT

WALL MOUNTED REMOTE CONTROL TOUCH PANEL
CRESTRON
TSW-1070-B-S
TP-01
LAN
LAN

PTZ CAMERA
VADDIO
ROBOSHOT 12E HDBT
CAM-01
ONELINK

ELEMENTS LOCATED AT EQUIPMENT RACK IN CREDENZA

WIRELESS PRESENTATION GATEWAY
LAN
LAN
MERSIVE SOLSTICE
POD UNLIMITED
WPG-01
HDMI

PRESENTATION SYSTEM
HDMI INPUT 1
HDMI INPUT 2
HDMI INPUT 3
HDMI INPUT 4
L AUDIO INPUT 2
R AUDIO INPUT 2
L AUDIO INPUT 3
R AUDIO INPUT 3
MIC INPUT 1
MIC INPUT 2
MIC INPUT 3
MIC INPUT 4
MIC INPUT 5
MIC INPUT 6
HDMI INPUT 5
DM INPUT 6
DM INPUT 7
CRESTRON
DMPS3-4K-350-C
MS-01
DM OUTPUT 1
DM OUTPUT 2
HDMI OUTPUT 1
HDMI OUTPUT 2
RS-232
CC-01
COM
IR
RELAY
AUDIO
DSP-01
OUTPUT 1
OUTPUT 2
OUTPUT 3
OUTPUT 4
AUDIO
DSP-01
SPEAKER OUTPUT 1
SPEAKER OUTPUT 2
LAN

OFE HOST PC
LAN
LAN
HDMI
USB
AUDIO INPUT
USB
OFE
PC
PC-01

AUDIO
DSP-01

CAMERA CONTROLLER
RS-232
MS-01
RS-232 IN
ONELINK
VADDIO
ONELINK BRIDGE
CC-01
USB

DM
FB1
FROM TX-01
DM
FB2
FROM TX-02

AUDIO
MS-01
AUDIO
MS-01

AUDIO DSP
LAN
LAN
TELEPHONE
AUX INPUT 1
AUX INPUT 2
AUX INPUT 3
AUX INPUT 4
AUDIO OUT
AUDIO OUT
AUDIO OUT
AUDIO OUT
AUDIO OUT
AUDIO OUT
AUDIO OUT
AUDIO OUT
CLEARONE
CONVERGE PRO 2
DSP-01

TWO-CHANNEL AMP
INPUT
INPUT
LABGRUPPEN
E4:2
PA-01
AUDIO OUT
AUDIO OUT
AUDIO
PC-01

CEILING MICROPHONE
P LINK
P LINK
CLEARONE
BMA 360
MIC-01

NETWORK SWITCH
PODM
MS-01
PODM
MS-01
PODM
MS-01
PODM
MS-01
LAN
LAN
LAN
LAN
LAN
LAN
LAN
LAN
CRESTRON
CEN-SWPOE16
NS-01
LAN
VC-01
LAN
MS-01
LAN
WPG-01
LAN
DSP-01
LAN
PC-01
LAN
TP-01

WALL MOUNTED EQUIPMENT

DIGITAL MEDIA RECEIVER
DM INPUT
CRESTRON
DM-RMC-4KZ-SCALERC
RX-01
HDMI OUTPUT
COM
FLAT PANEL DISPLAY
HDMI INPUT
COM
SAMSUNG
QM85N
FPD-01

CEILING MOUNTED EQUIPMENT

LOUDSPEAKER
JBL
CONTROL 26CT
LS-01
LOUDSPEAKER
JBL
CONTROL 26CT
LS-02
LOUDSPEAKER
JBL
CONTROL 26CT
LS-03
LOUDSPEAKER
JBL
CONTROL 26CT
LS-04

CONFERENCE ROOM 111 AV SIGNAL FLOW
NTS

REVISION SCHEDULE

#	DESCRIPTION	DATE

SEAL
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Kenneth E Furman
BICSI ID # 133792
EXPIRES 12-31-22
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CIVIL CONSULTANT: Fusco Engineering & Land Surveying PC
ME/P CONSULTANT: FELLENZER ENGINEERING
FORENSIC CONSULTANT: crime lab design

ORANGE COUNTY, NEW YORK

SHEET TITLE
AV SIGNAL FLOW

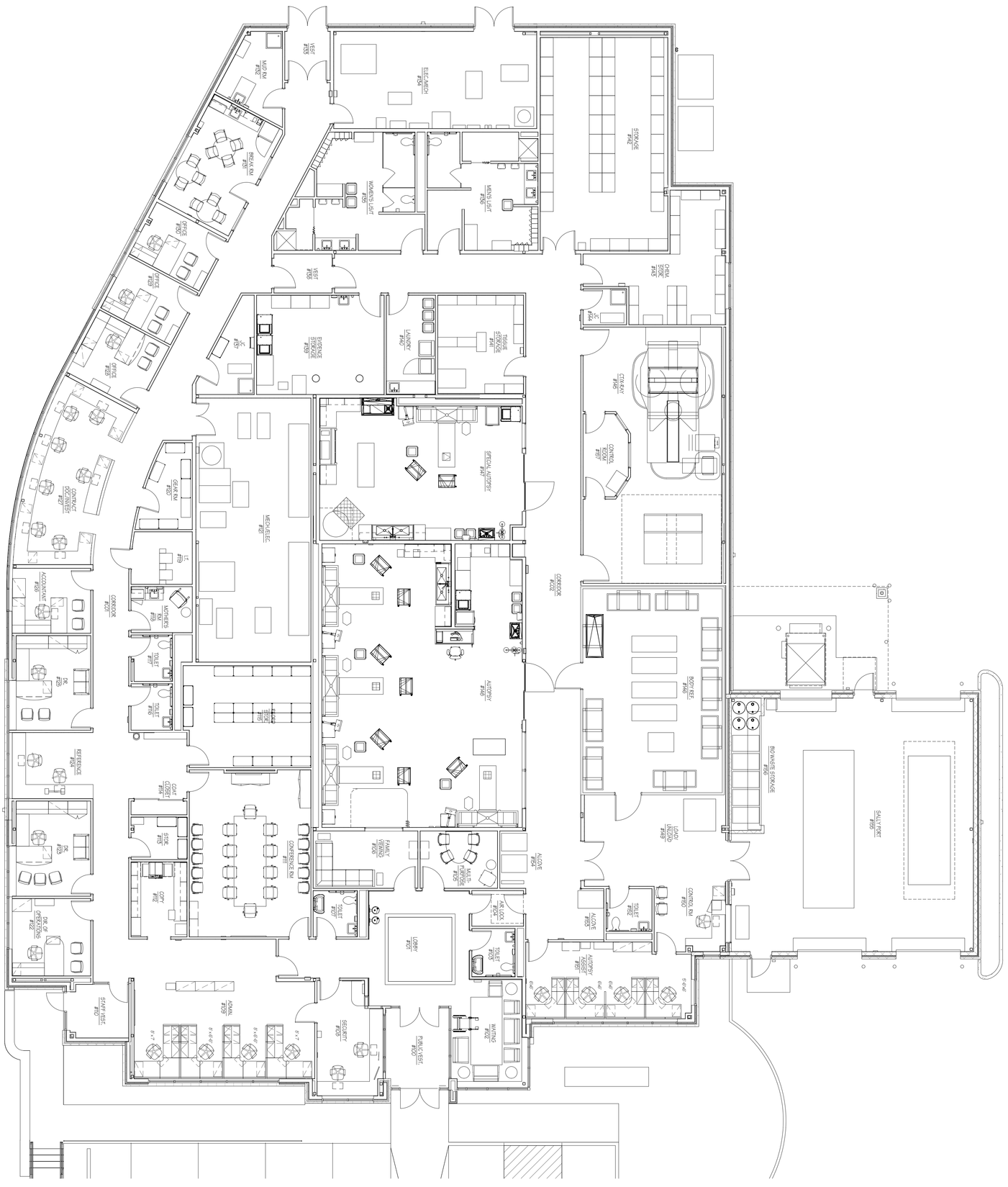
ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
22 WELLS FARM RD.
GOSHEN, NY 10924

DATE:	11/18/2022
SCALE:	12" = 1'-0"
DRAWN BY:	AP
CHECKED BY:	BW
APPROVED:	BW
CLIENT APPROVAL	
HHA PROJ. NO.:	20071
CLIENT PROJ. NO.:	

SHEET NUMBER
TA700

1
F1.1
FLOOR PLAN
SCALE: 1/8" = 1'-0"

CALLED NORTH



SHEET NUMBER	DATE:	11/18/22	SHEET TITLE
F1.1	SCALE:	1/8" = 1'-0"	FURNITURE PLAN
	DRAWN BY:	ABP	
	CHECKED BY:		
	APPROVED:		
	CLIENT APPROVAL		ORANGE COUNTY MEDICAL EXAMINER'S OFFICE
	HHA PROJ. NO.:	20071	22 WELLS FARM RD. GOSHEN, NY 10924
	CLIENT PROJ. NO.:		

ORANGE COUNTY, NEW YORK

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FORENSIC CONSULTANT	M/E/P CONSULTANT	CIVIL CONSULTANT	I.T./SECURITY CONSULTANT	FF&E CONSULTANT	COST CONSULTANT
CPL	FELLENZER ENGINEERING	Fusco Engineering & Land Surveying PC	CONVERGENT TECHNOLOGIES	CLASSIC CONTRACT INTERIORS, LLC	STUART-LYNN COMPANY

SEAL

REGISTERED ARCHITECT MICHAEL P. DOBSON 026533 STATE OF NEW YORK

REVISION SCHEDULE		
#	DESCRIPTION	DATE

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