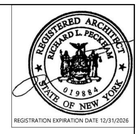
NEWBURGH ENLARGED CSD
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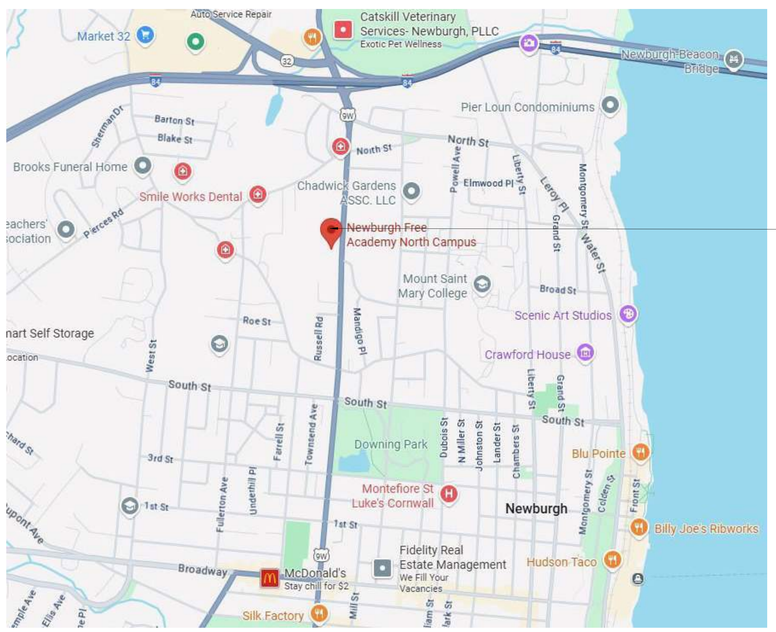
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STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
AUDITORIUM RENOVATION 44-16-00-01-0-002-016

THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 108-2504



VICINITY MAP NTS

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ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO VISUAL
BLDG	BUILDING
BOT OR B/	BOTTOM OF
BSMT	BASEMENT
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DNG	DRAINING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELECT	ELECTRIC / ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXST	EXISTING
EXT	EXTERIOR
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDANT-TREATED MATERIAL
FTG	FOOTING
G	GROUND
GA	GAUGE
GAL	GALLON(S)
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALL BOARD
GWBS	GYPSUM WALL BOARD SOFFIT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	INCH
INT	INTERIOR
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
LAB	LABORATORY
LB	POUND
LIN	LINEAR
LVL	LEVEL
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPT	OPTIONAL
OVR	OVERALL
OZ	OUNCE
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POLYISO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
REQD	REQUIRED
RD	ROOF DRAIN
RH	ROOF HATCH
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RS	ROOF SCUPPER
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SRD	SECONDARY ROOF DRAIN
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAC	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMPD	TEMPERED
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WPT	WOOD PRESERVED-TREATED MATERIAL
WGT	WEIGHT
YD	YARD

ARCHITECTURAL LEGEND

MATERIAL INDICATIONS

- EARTH
- GRANULAR FILL
- BRICK
- CONCRETE MASONRY UNIT
- CONCRETE
- GROUT
- ROUGH WOOD BLOCKING
- SHIM
- FINISH WOOD
- PLYWOOD
- SHEATHING
- RIGID INSULATION
- BATT INSULATION
- SPRAY FOAM INSULATION
- EPS INSULATION
- STEEL

DIMENSIONING CONVENTIONS

- FACE OF STUD OR CMU
- COLUMN CENTER LINE

SYMBOLS

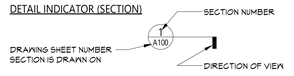
- CLASSROOM / 100 / 000 S.F. — ROOM NAME; ROOM NUMBER; AREA OF ROOM
- A100 — DOOR NUMBER, REFER TO A900 DRAWINGS
- 1 — WINDOW TAG, REFER TO A900 DRAWINGS
- BL11 — BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS
- S-1 — STOREFRONT / CURTAINWALL NUMBER, REFER TO A900 DRAWINGS
- 1 — COLUMN GRID DESIGNATION
- 1 / M — PARTITION TAG, REFER TO A700 DRAWINGS; HOUR RATING OF PARTITION; ADDITIONAL NOTES FOR PARTITION
- 1 — REVISION NUMBER
- 1 — KEY NOTE, NEW WORK
- 1 — KEY NOTE, DEMOLITION WORK
- +0'-0" — ELEVATION TAG
- HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE
- ROOM NAME / 1101 / WALL FINISH / BASE FINISH / FLOOR FINISH — INTERIOR FINISH TAG, REFER TO AF100 DRAWINGS

DETAIL INDICATOR LEGEND

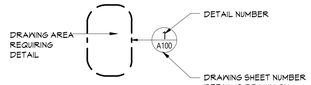
SECTION INDICATOR



DETAIL INDICATOR (SECTION)



ENLARGED DETAIL INDICATOR



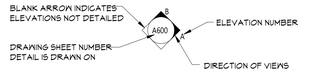
DETAIL TITLE



EXTERIOR ELEVATION INDICATOR



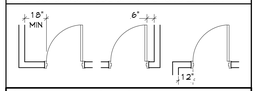
INTERIOR ELEVATION INDICATOR



PLAN GRAPHICS LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW CONCRETE MASONRY WALL
- NEW METAL STUD WALL
- NEW BRICK VENEER
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE REMOVED
- NEW DOOR

FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED BELOW UNO. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH.



GENERAL NOTES

1. DIMENSIONS ARE GIVEN THUS (UNLESS NOTED OTHERWISE)
   - A. TO FACE OF MASONRY WALL
   - B. TO FACE OF METAL STUD
   - C. TO COLUMN CENTERLINES
   - D. TO FINISH FACE OF SOFFIT OR CEILING
   - E. FACE OF EXISTING CONSTRUCTION
2. DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT FOR VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK.
3. WALLS ON COLUMN LINES ARE CENTERED, UNO
4. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA.
5. LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
6. ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION
7. ALL WOOD LUMBER IN CONTACT WITH EXTERIOR WALL CONCRETE OR MASONRY, OR WITHIN 18" OF GRADE SHALL BE PRESSURE TREATED.
8. ALL WOOD LUMBER BLOCKING WITHIN FIRE RATED WALL PARTITIONS OR FLOOR ASSEMBLIES SHALL BE FIRE RETARDANT TREATED.
9. ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND /OR FIRE STOPPED. COORDINATE WITH M' DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
10. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.

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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT · RICHARD L. PROCHNA · 019884 · STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

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CSArch Proj. #:	108-2504
Issued for Bid:	10/13/2025

Sheet Title

SYMBOLS, ABBREVIATIONS, AND MISC

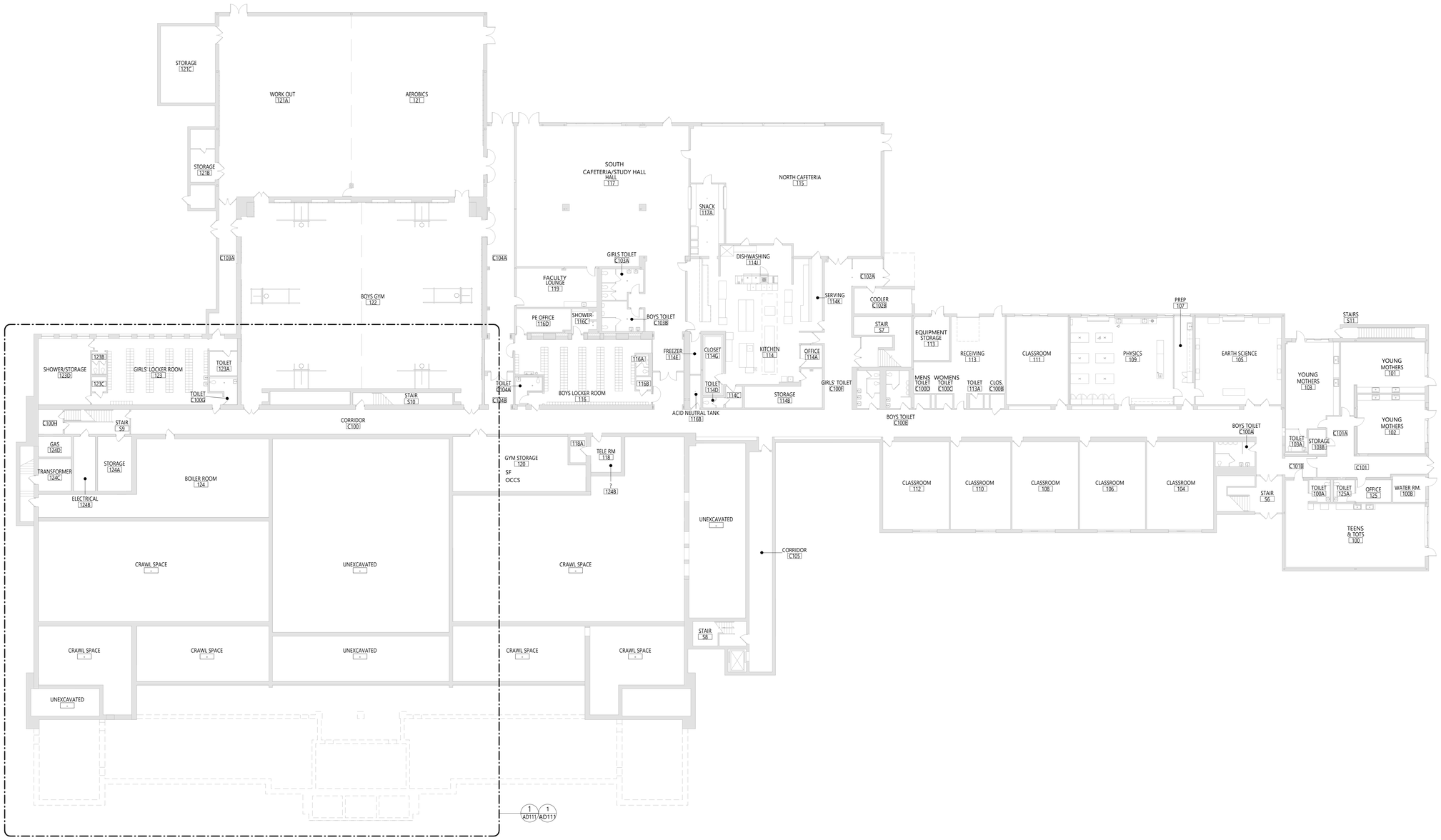
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NFA G001

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1 OVERALL - FIRST FLOOR PLAN

G111 1/16" = 1'-0"

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Project Title

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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PECKHAM 019888 STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

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OVERALL - FIRST FLOOR PLAN

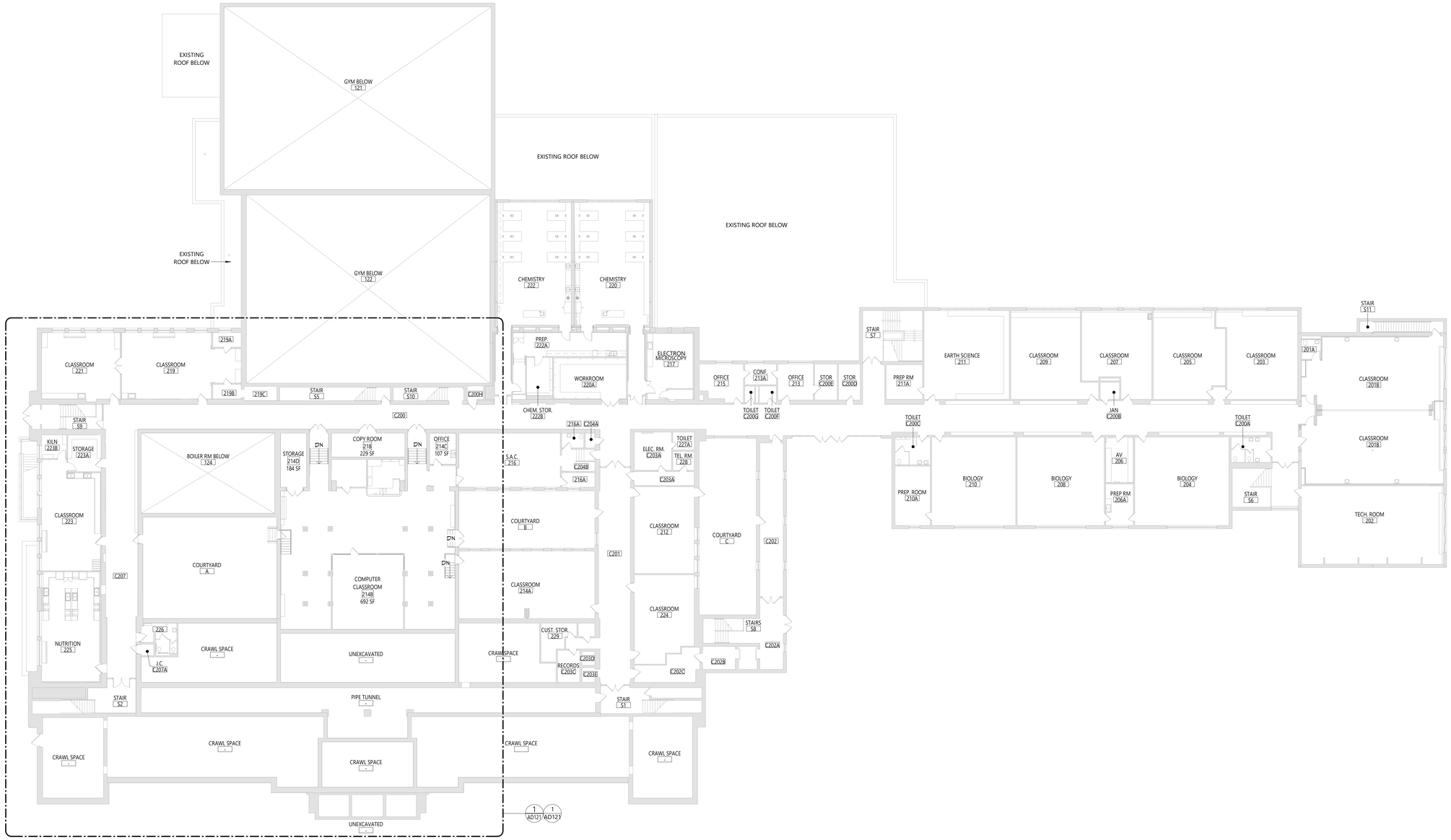
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1 OVERALL - SECOND FLOOR PLAN

G121 1/16" = 1'-0"

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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PECKHAM STATE OF NEW YORK 019884

REGISTRATION EXPIRATION DATE 12/31/2026

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OVERALL-
SECOND
FLOOR PLAN

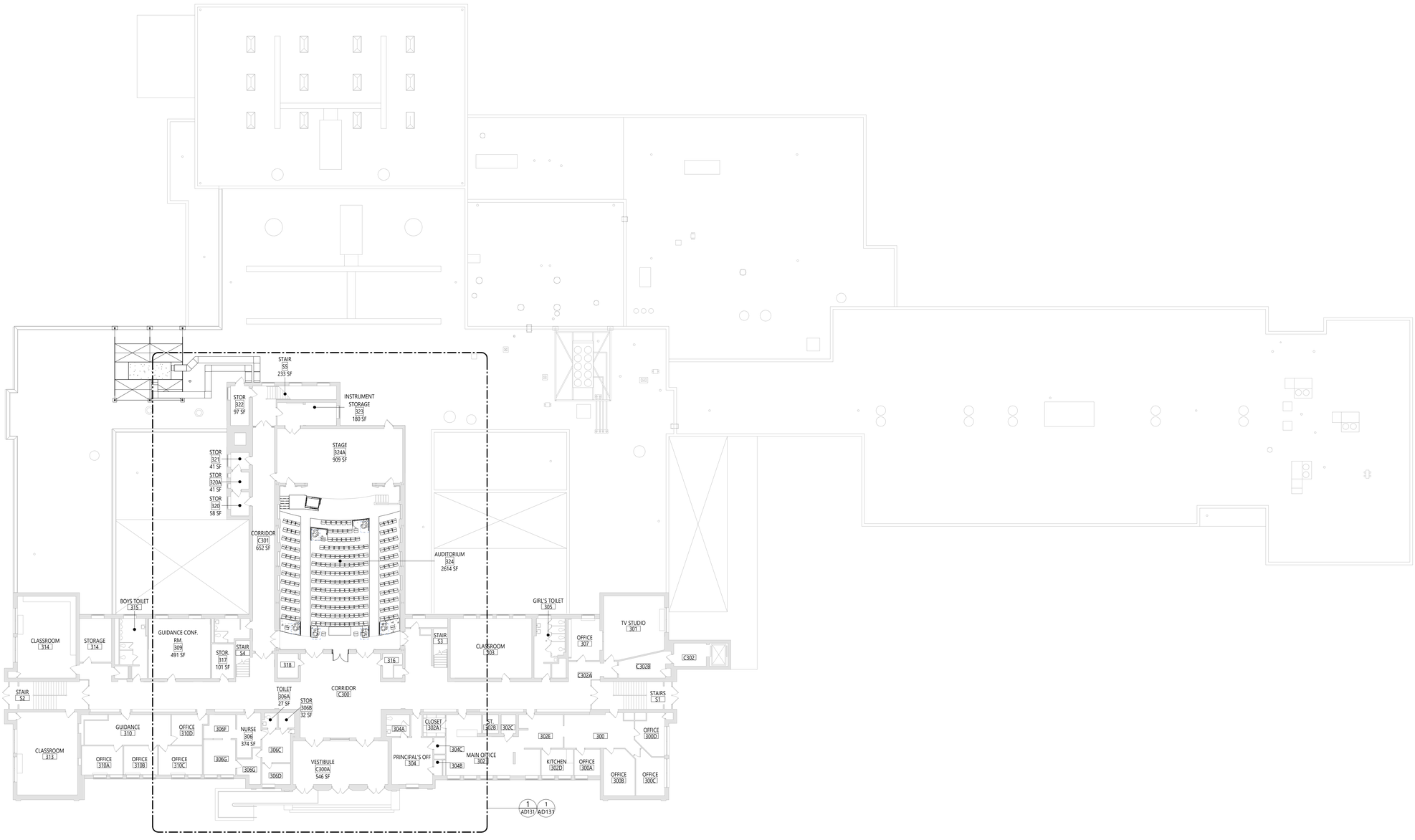
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G121

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1 OVERALL - THIRD FLOOR PLAN

G131 1/16" = 1'-0"

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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PRESTON
019854
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
2	Date 2	SED ADDENDUM 2
1	11/20/26	SED ADDENDUM 1

Drawn By:	KS
Checked By:	VA
Proj. #:	44-16-00-01-0-002-016
CSArch Proj. #:	108-2504
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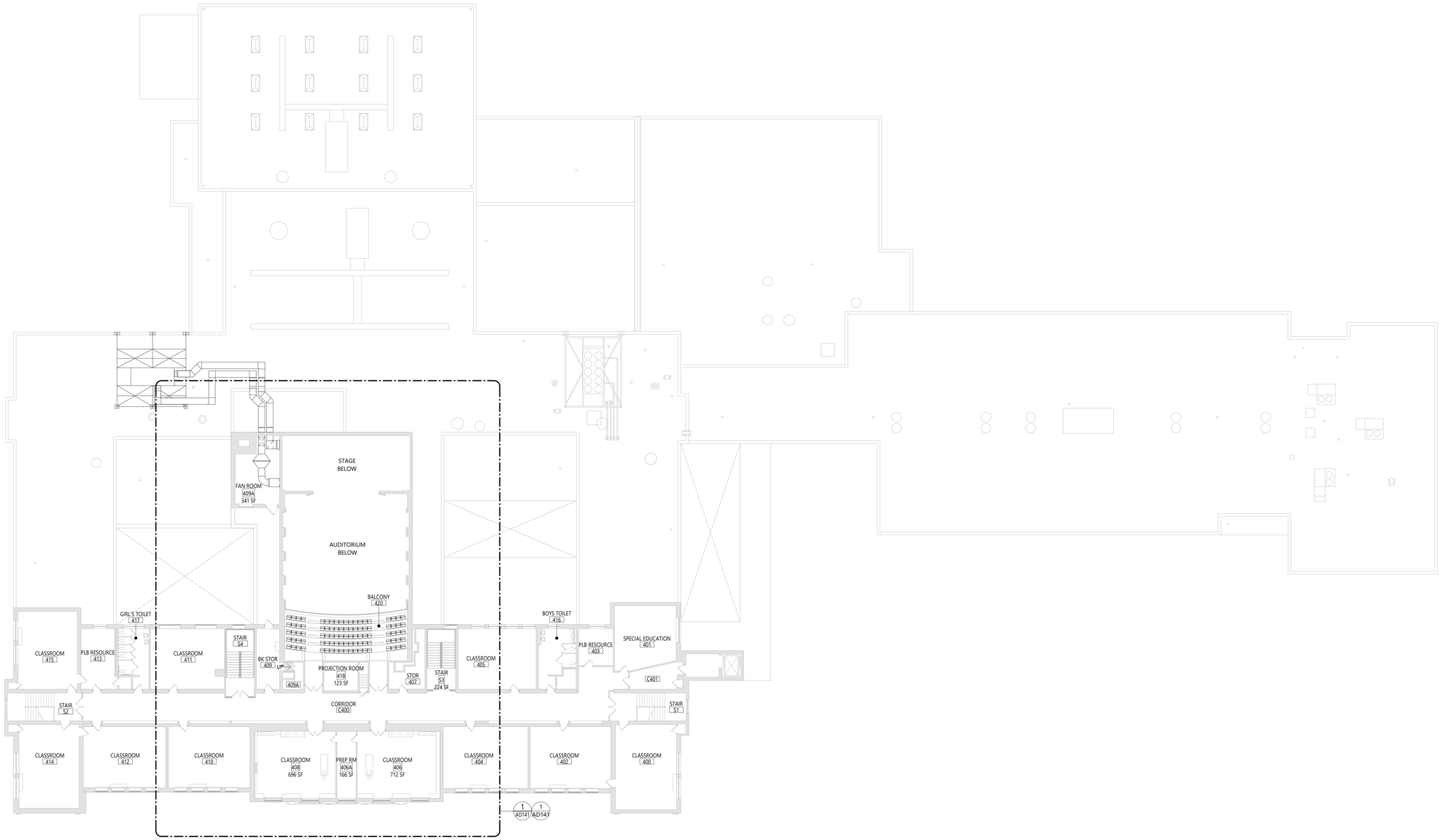
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OVERALL- THIRD FLOOR PLAN

Sheet No.

NFA G131

CONSTRUCTION DOCUMENTS



1 OVERALL - FOURTH FLOOR PLAN

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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PROSPERI
019984
STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
2	Date 2	SED ADDENDUM 2

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CSArch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title

OVERALL-
FOURTH
FLOOR PLAN

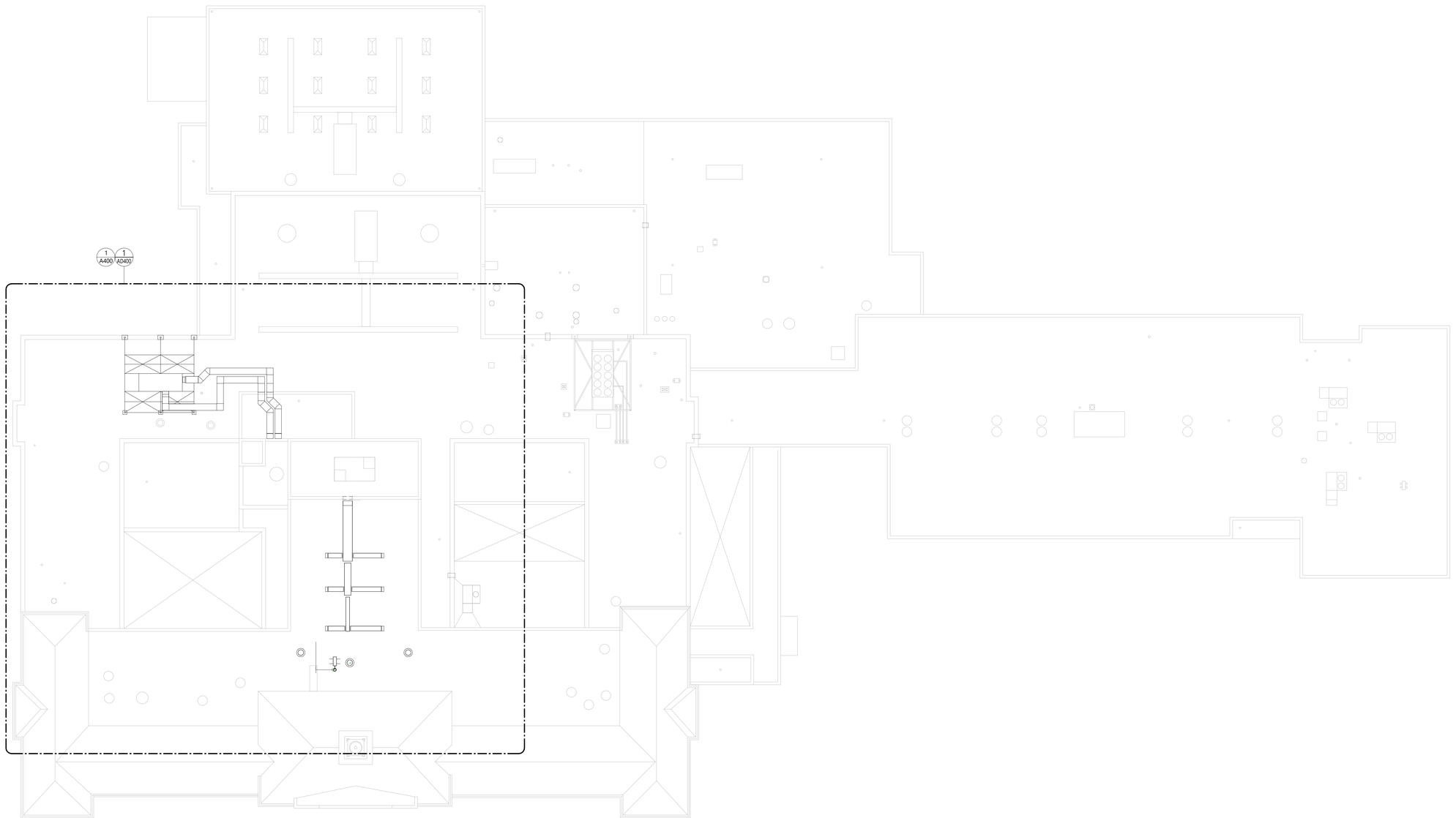
Sheet No.

NFA
G141

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1 OVERALL - ROOF PLAN
G400 1/16" = 1'-0"

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. FROMMER
019984
STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
2	Date 2	SED ADDENDUM 2

Drawn By:	KS
Checked By:	VA
Proj. #:	44-16-00-01-0-002-016
CSArch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title

OVERALL-
ROOF PLAN

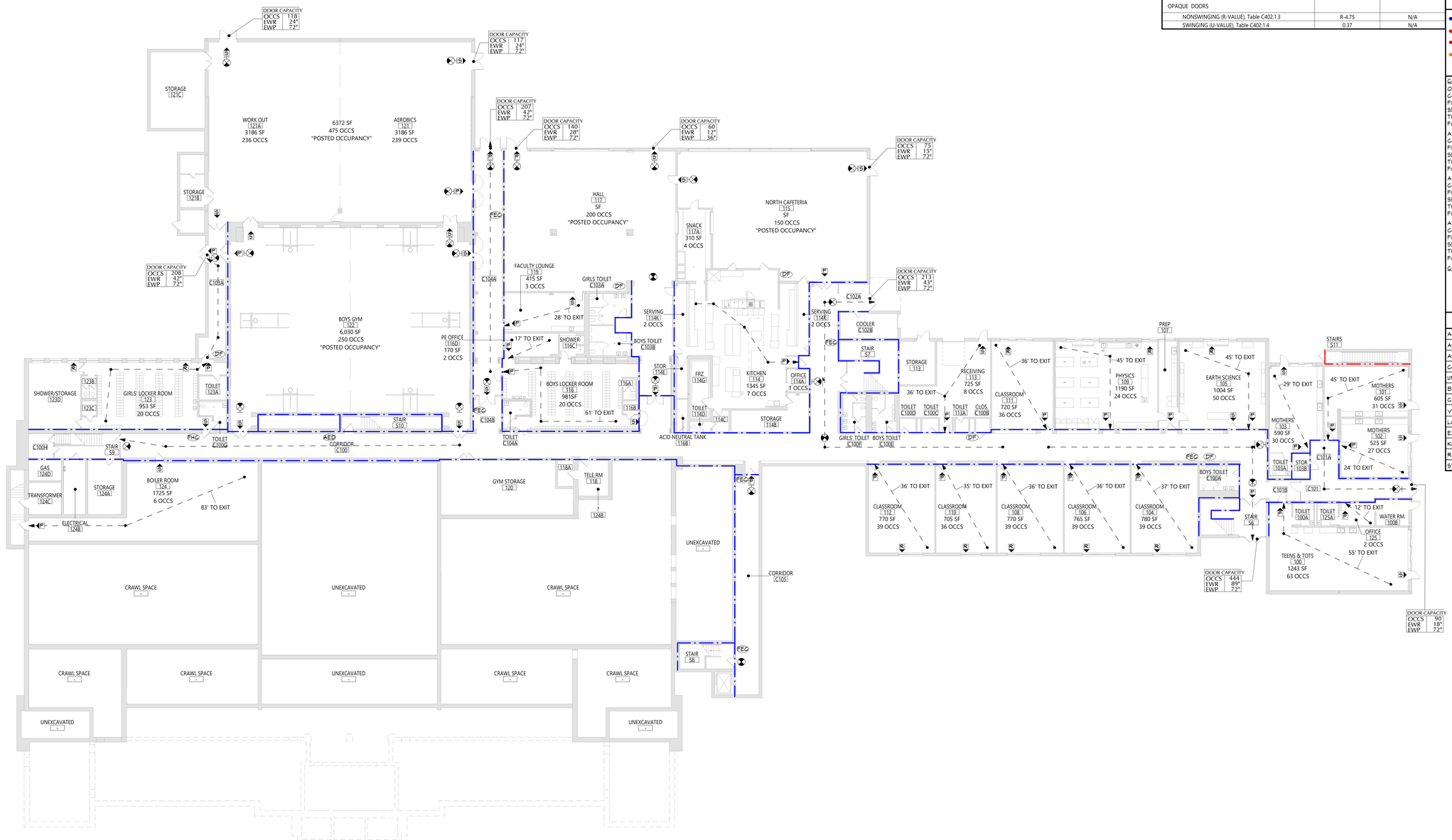
Sheet No.

NFA
G400

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1 LIFE SAFETY - FIRST FLOOR
LS111 1/16" = 1'-0"

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

COUNTY: ORANGE	CLIMATE ZONE: 5	
VERTICAL FENESTRATION (U-FACTOR), Table C402.4	REQUIRED	PROVIDED
FIXED FENESTRATION	0.36	N/A
OPERABLE FENESTRATION	0.43	N/A
ENTRANCE DOORS	0.77	N/A
VERTICAL FENESTRATION SHGC, Table C402.4		
PF < 0.2	0.40	N/A
0.2 ≤ PF ≥ 0.5	0.48	N/A
PF > 0.5	0.64	N/A
SKYLIGHTS, Table C402.4		
U-FACTOR	0.50	N/A
PF ≥ 0.5	0.40	N/A
ROOF ASSEMBLIES (R-VALUES), Table C402.1.3		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	R-30ci
METAL BUILDINGS	R-25 + R-11 LS	N/A
ATTIC AND OTHER	R-49	R-XX
WALLS ABOVE GRADE (R-VALUES), Table C402.1.3		
MASS	R-12.3ci	N/A
METAL BUILDINGS	R-13 + R-13ci	N/A
METAL FRAMED	R-13 + R-7.5ci	N/A
WOOD FRAMED AND OTHER	R-13 + R-7.5ci	N/A
WALLS BELOW GRADE (R-VALUES), Table C402.1.3		
BELOW GRADE WALL	R-7.5ci	N/A
FLOORS (R-VALUES), Table C402.1.3		
MASS	R-12.5ci	N/A
JOIST / FRAMING	R-30	N/A
SLABS ON GRADE FLOORS (R-VALUES), Table C402.1.3		
UNHEATED SLABS	R-10 FOR 24" BELOW	N/A
HEATED SLABS	R-15 FOR 36" BELOW	N/A
OPAQUE DOORS		
NONSWINGING (R-VALUE), Table C402.1.3	R-4.75	N/A
SWINGING (U-VALUE), Table C402.1.4	0.37	N/A

LIFE SAFETY PLAN LEGEND

- (P) PRIMARY EXIT
- (S) SECONDARY EXIT
- (R) RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS) NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY OCCS |- EWR |- EWP |- REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY OCCS |- EWR |- EWP |- REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- (DF) DRINKING FOUNTAIN
- ESD EMERGENCY EYEWASH STATION
- (FE) FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION LEGEND

SMOKE BARRIER
DUCTWORK PENETRATIONS REQUIRED SMOKE DAMPER

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

*ALL DOORS AND WINDOWS ARE TO MEET THE REQUIREMENTS FOR WALL RATING SPECIFICATIONS

CODE NARRATIVE:

ORIGINAL CONSTRUCTION: 1936
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 36,570 SF GROSS
SECOND FLOOR AREA: 27,431 SF GROSS
THIRD FLOOR AREA: 20,292 SF GROSS
FOURTH FLOOR AREA: 14,521 SF GROSS

ADDITION CONSTRUCTION: 1969
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 32,718 SF GROSS
SECOND FLOOR AREA: 18,469 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

ADDITION CONSTRUCTION: 1995
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 1,243 SF GROSS
SECOND FLOOR AREA: 1,368 SF GROSS
THIRD FLOOR AREA: 231 SF GROSS
FOURTH FLOOR AREA: 231 SF GROSS

ADDITION CONSTRUCTION: 2008
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 5,673 SF GROSS
SECOND FLOOR AREA: 2,667 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

CLASSIFICATION OF WORK:

- LEVEL 1 ALTERATION 0 SF
- LEVEL 2 ALTERATION 5,100 SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/O FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUSINESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

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Project Title
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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PRESTON 019854 STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

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Checked By:	YA
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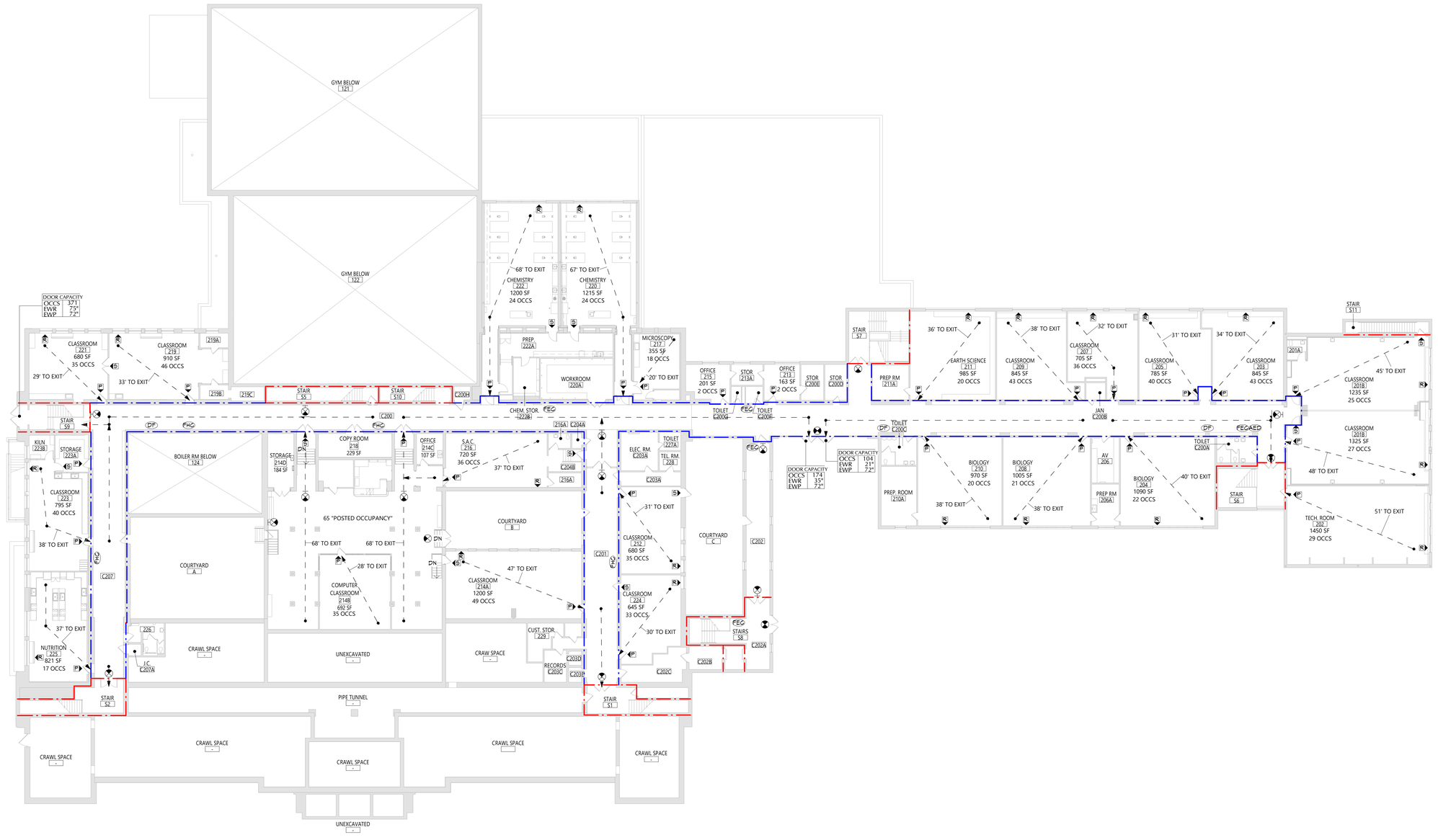
Sheet Title
LIFE SAFETY - FIRST FLOOR

Sheet No.
NFA LS111

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1 LIFE SAFETY - SECOND FLOOR

LS121 1/16" = 1'-0"

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

COUNTY: ORANGE	CLIMATE ZONE: 5	
VERTICAL FENESTRATION (U-FACTOR), Table C402.4	REQUIRED	PROVIDED
FIXED FENESTRATION	0.36	N/A
OPERABLE FENESTRATION	0.43	N/A
ENTRANCE DOORS	0.77	N/A
VERTICAL FENESTRATION SHGC, Table C402.4		
PF < 0.2	0.40	N/A
0.2 ≤ PF ≥ 0.5	0.48	N/A
PF > 0.5	0.64	N/A
SKYLIGHTS, Table C402.4		
U-FACTOR	0.50	N/A
PF ≥ 0.5	0.40	N/A
ROOF ASSEMBLIES (R-VALUES), Table C402.1.3		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	R-30ci
METAL BUILDINGS	R-25 + R-11 LS	N/A
ATTIC AND OTHER	R-49	R-XX
WALLS ABOVE GRADE (R-VALUES), Table C402.1.3		
MASS	R-12.3ci	N/A
METAL BUILDINGS	R-13 + R-13ci	N/A
METAL FRAMED	R-13 + R-7.5ci	N/A
WOOD FRAMED AND OTHER	R-13 + R-7.5ci	N/A
WALLS BELOW GRADE (R-VALUES), Table C402.1.3		
BELOW GRADE WALL	R-7.5ci	N/A
FLOORS (R-VALUES), Table C402.1.3		
MASS	R-12.5ci	N/A
JOIST / FRAMING	R-30	N/A
SLABS ON GRADE FLOORS (R-VALUES), Table C402.1.3		
UNHEATED SLABS	R-10 FOR 24" BELOW	N/A
HEATED SLABS	R-15 FOR 36" BELOW	N/A
OPAQUE DOORS		
NONSWINGING (R-VALUE), Table C402.1.3	R-4.75	N/A
SWINGING (U-VALUE), Table C402.1.4	0.37	N/A

LIFE SAFETY PLAN LEGEND

- (P) PRIMARY EXIT
- (S) SECONDARY EXIT
- (R) RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
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- DOOR CAPACITY OCCS |- EWR |- EWP |- REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY OCCS |- EWR |- EWP |- REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESD EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION LEGEND

SMOKE BARRIER
DUCTWORK PENETRATIONS REQUIRED SMOKE DAMPER

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

*ALL DOORS AND WINDOWS ARE TO MEET THE REQUIREMENTS FOR WALL RATING SPECIFICATIONS

CODE NARRATIVE:

ORIGINAL CONSTRUCTION: 1936
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 36,570 SF GROSS
SECOND FLOOR AREA: 27,491 SF GROSS
THIRD FLOOR AREA: 20,292 SF GROSS
FOURTH FLOOR AREA: 19,921 SF GROSS

ADDITION CONSTRUCTION: 1969
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 32,718 SF GROSS
SECOND FLOOR AREA: 18,469 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

ADDITION CONSTRUCTION: 1995
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 1,243 SF GROSS
SECOND FLOOR AREA: 1,368 SF GROSS
THIRD FLOOR AREA: 231 SF GROSS
FOURTH FLOOR AREA: 231 SF GROSS

ADDITION CONSTRUCTION: 2008
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 5,679 SF GROSS
SECOND FLOOR AREA: 2,661 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

CLASSIFICATION OF WORK:

- LEVEL 1 ALTERATION 0 SF
- LEVEL 2 ALTERATION 9,100 SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/O FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUSINESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

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Project Title

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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PROCHA 019884 STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

Drawn By: KS
Checked By: VA
Proj. #: 44-16-00-01-0-002-016
CSArch Proj. #: 108-25SM
Issued for Bid: 10/13/2025

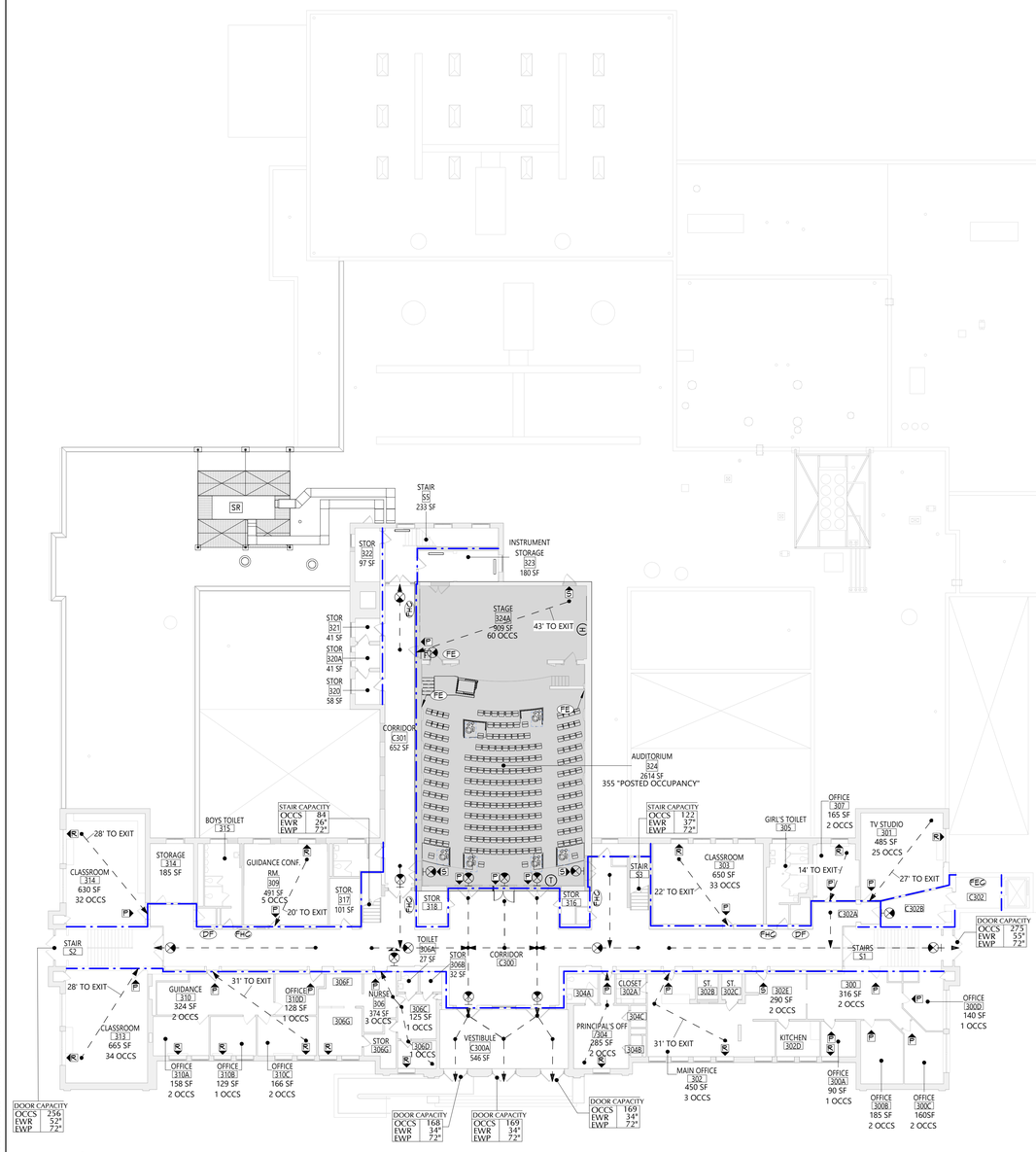
Sheet Title: LIFE SAFETY - SECOND FLOOR

Sheet No.: NFA LS121

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1 LIFE SAFETY - THIRD FLOOR
LS131 1/16" = 1'-0"

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

COUNTY: ORANGE	CLIMATE ZONE: 5	
VERTICAL FENESTRATION (U-FACTOR), Table C402.4	REQUIRED	PROVIDED
FIXED FENESTRATION	0.36	N/A
OPERABLE FENESTRATION	0.43	N/A
ENTRANCE DOORS	0.77	N/A
VERTICAL FENESTRATION SHGC, Table C402.4		
PF < 0.2	0.40	N/A
0.2 ≤ PF ≥ 0.5	0.48	N/A
PF > 0.5	0.64	N/A
SKYLIGHTS, Table C402.4		
U-FACTOR	0.50	N/A
PF ≥ 0.5	0.40	N/A
ROOF ASSEMBLIES (R-VALUES), Table C402.1.3		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	R-30ci
METAL BUILDINGS	R-25 + R-11 LS	N/A
ATTIC AND OTHER	R-49	R-XX
WALLS ABOVE GRADE (R-VALUES), Table C402.1.3		
MASS	R-12.3ci	N/A
METAL BUILDINGS	R-13 + R-13ci	N/A
METAL FRAMED	R-13 + R-7.5ci	N/A
WOOD FRAMED AND OTHER	R-13 + R-7.5ci	N/A
WALLS BELOW GRADE (R-VALUES), Table C402.1.3		
BELOW GRADE WALL	R-7.5ci	N/A
FLOORS (R-VALUES), Table C402.1.3		
MASS	R-12.5ci	N/A
JOIST / FRAMING	R-30	N/A
SLABS ON GRADE FLOORS (R-VALUES), Table C402.1.3		
UNHEATED SLABS	R-10 FOR 24" BELOW	N/A
HEATED SLABS	R-15 FOR 36" BELOW	N/A
OPAQUE DOORS		
NONSWINGING (R-VALUE), Table C402.1.3	R-4.75	N/A
SWINGING (U-VALUE), Table C402.1.4	0.37	N/A

LIFE SAFETY PLAN LEGEND

- (P) PRIMARY EXIT
- (S) SECONDARY EXIT
- (R) RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS) NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY OCCS = EWR = EWP = REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY OCCS = EWR = EWP = REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
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ABBREVIATIONS

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SMOKE SEPARATION LEGEND

SMOKE BARRIER
DUCTWORK PENETRATIONS REQUIRED SMOKE DAMPER

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
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CODE NARRATIVE:

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CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 36,570 SF GROSS
SECOND FLOOR AREA: 27,491 SF GROSS
THIRD FLOOR AREA: 20,292 SF GROSS
FOURTH FLOOR AREA: 14,921 SF GROSS

ADDITION CONSTRUCTION: 1969
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 32,718 SF GROSS
SECOND FLOOR AREA: 18,469 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

ADDITION CONSTRUCTION: 1995
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 1,243 SF GROSS
SECOND FLOOR AREA: 1,368 SF GROSS
THIRD FLOOR AREA: 237 SF GROSS
FOURTH FLOOR AREA: 237 SF GROSS

ADDITION CONSTRUCTION: 2008
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 5,679 SF GROSS
SECOND FLOOR AREA: 2,661 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

CLASSIFICATION OF WORK:

- LEVEL 1 ALTERATION 0 SF
- LEVEL 2 ALTERATION 9,100 SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/O FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUSINESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

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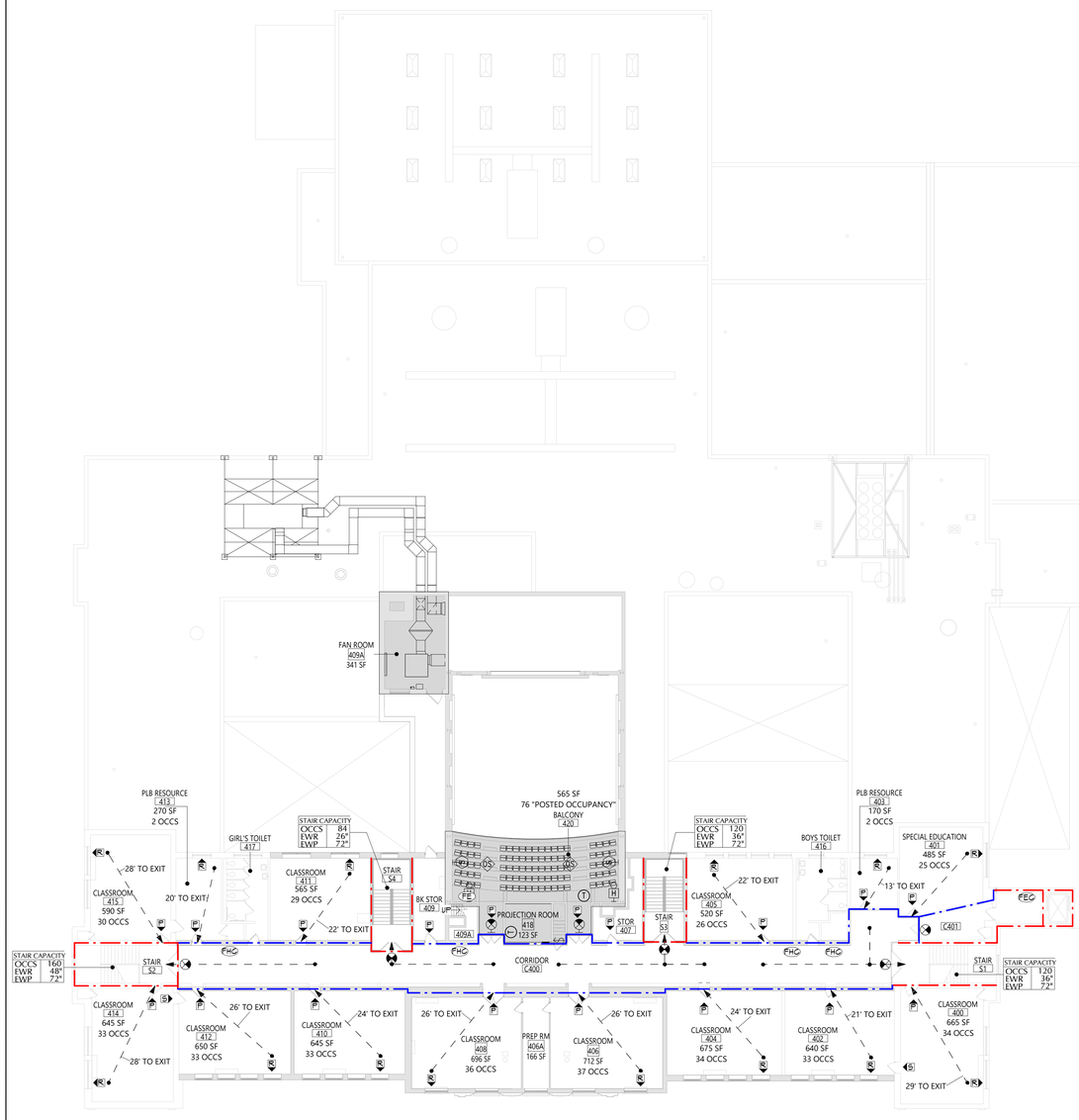
Sheet Title
LIFE SAFETY - THIRD FLOOR

Sheet No.
NFA LS131

CONSTRUCTION DOCUMENTS

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1 LIFE SAFETY - FOURTH FLOOR

LS141 1/16" = 1'-0"

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

COUNTY: ORANGE	CLIMATE ZONE: 5	
VERTICAL FENESTRATION (U-FACTOR), Table C402.4	REQUIRED	PROVIDED
FIXED FENESTRATION	0.36	N/A
OPERABLE FENESTRATION	0.43	N/A
ENTRANCE DOORS	0.77	N/A
VERTICAL FENESTRATION SHGC, Table C402.4		
PF < 0.2	0.40	N/A
0.2 ≤ PF ≥ 0.5	0.48	N/A
PF > 0.5	0.64	N/A
SKYLIGHTS, Table C402.4		
U-FACTOR	0.50	N/A
PF ≥ 0.5	0.40	N/A
ROOF ASSEMBLIES (R-VALUES), Table C402.1.3		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	R-30ci
METAL BUILDINGS	R-25 + R-11 LS	N/A
ATTIC AND OTHER	R-49	R-XX
WALLS ABOVE GRADE (R-VALUES), Table C402.1.3		
MASS	R-12.3ci	N/A
METAL BUILDINGS	R-13 + R-13ci	N/A
METAL FRAMED	R-13 + R-7.5ci	N/A
WOOD FRAMED AND OTHER	R-13 + R-7.5ci	N/A
WALLS BELOW GRADE (R-VALUES), Table C402.1.3		
BELOW GRADE WALL	R-7.5ci	N/A
FLOORS (R-VALUES), Table C402.1.3		
MASS	R-12.5ci	N/A
JOIST / FRAMING	R-30	N/A
SLABS ON GRADE FLOORS (R-VALUES), Table C402.1.3		
UNHEATED SLABS	R-10 FOR 24" BELOW	N/A
HEATED SLABS	R-15 FOR 36" BELOW	N/A
OPAQUE DOORS		
NONSWINGING (R-VALUE), Table C402.1.3	R-4.75	N/A
SWINGING (U-VALUE), Table C402.1.4	0.37	N/A

LIFE SAFETY PLAN LEGEND

- (P) PRIMARY EXIT
- (S) SECONDARY EXIT
- (R) RESCUE WINDOW (SECONDARY EXIT)
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- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS) NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY OCCS |- EWR |- EWP |- REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY OCCS |- EWR |- EWP |- REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESF EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION LEGEND

SMOKE BARRIER
DUCTWORK PENETRATIONS REQUIRED SMOKE DAMPER

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

*ALL DOORS AND WINDOWS ARE TO MEET THE REQUIREMENTS FOR WALL RATING SPECIFICATIONS

CODE NARRATIVE:

ORIGINAL CONSTRUCTION: 1936
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 36,570 SF GROSS
SECOND FLOOR AREA: 27,431 SF GROSS
THIRD FLOOR AREA: 20,292 SF GROSS
FOURTH FLOOR AREA: 19,321 SF GROSS

ADDITION CONSTRUCTION: 1969
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 32,718 SF GROSS
SECOND FLOOR AREA: 18,469 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

ADDITION CONSTRUCTION: 1995
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 1,243 SF GROSS
SECOND FLOOR AREA: 1,368 SF GROSS
THIRD FLOOR AREA: 231 SF GROSS
FOURTH FLOOR AREA: 231 SF GROSS

ADDITION CONSTRUCTION: 2008
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 5,679 SF GROSS
SECOND FLOOR AREA: 2,661 SF GROSS
THIRD FLOOR AREA: 0 SF GROSS
FOURTH FLOOR AREA: 0 SF GROSS

CLASSIFICATION OF WORK:

- LEVEL 1 ALTERATION 0 SF
- LEVEL 2 ALTERATION 9,100 SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/O FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUSINESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PROCHNA 019884 STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
2	Date 2	SED ADDENDUM 2

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Issued for Bid:	10/13/2025

Sheet Title

LIFE SAFETY - FOURTH FLOOR

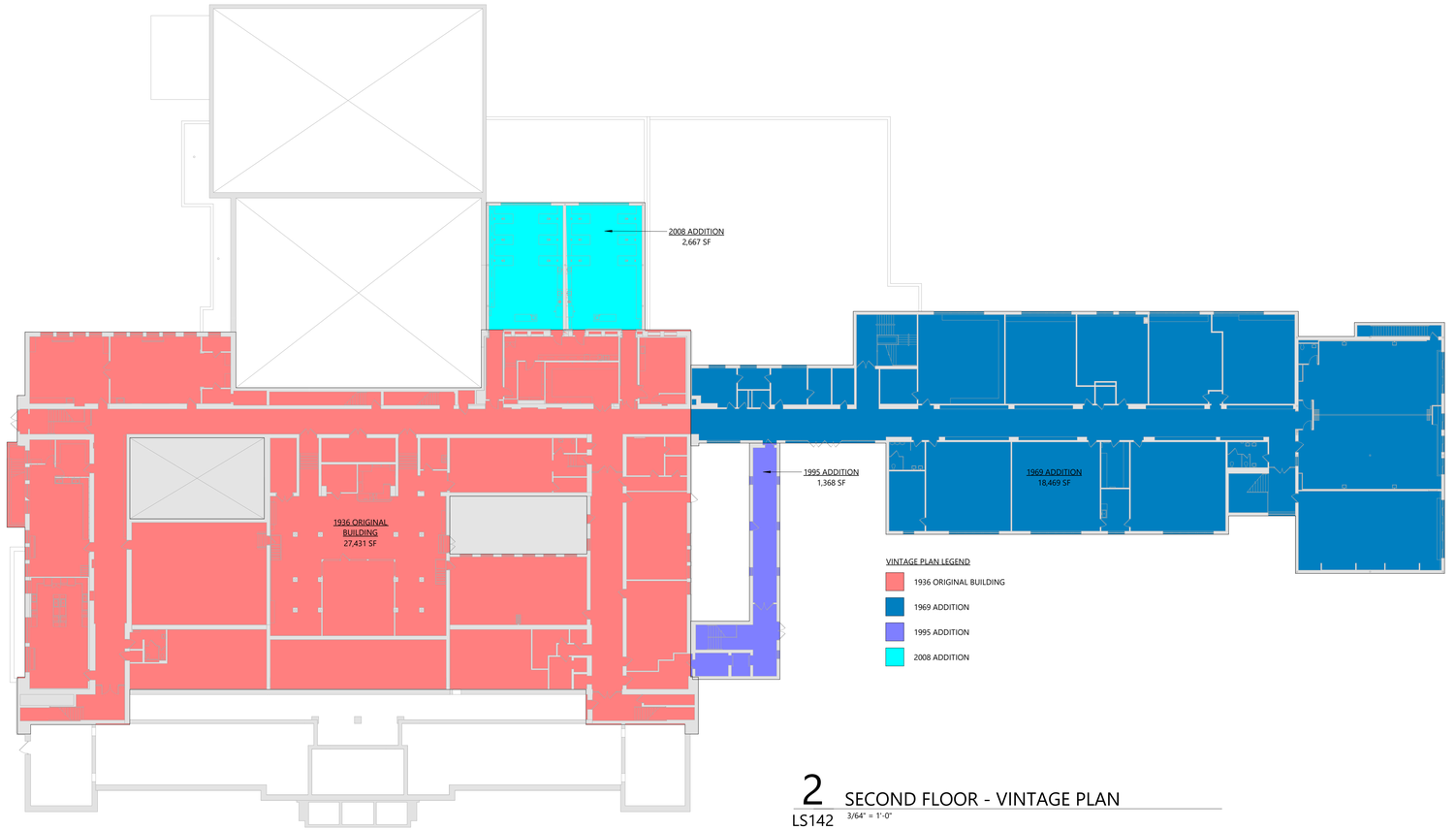
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NFA LS141

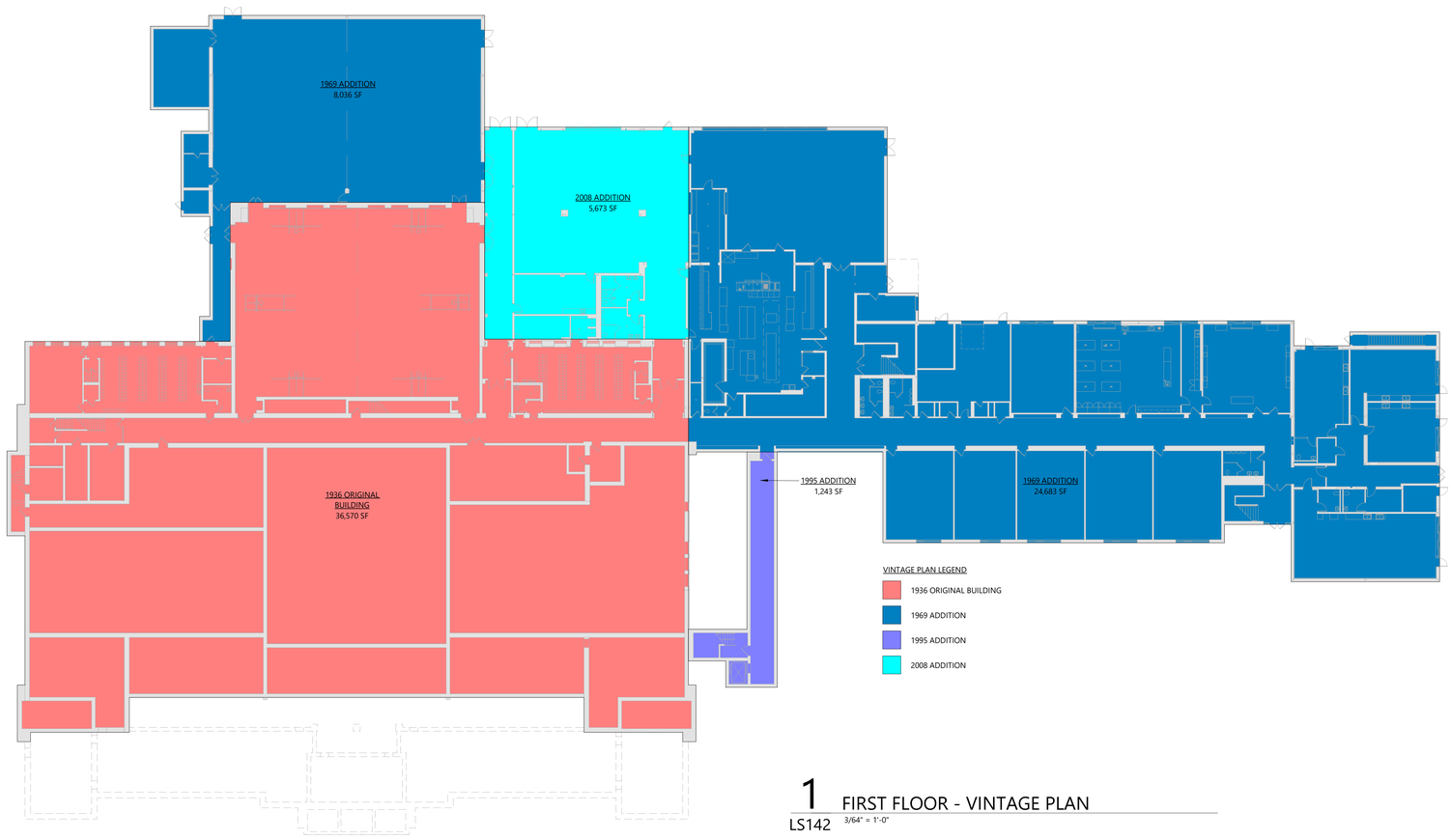
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2 SECOND FLOOR - VINTAGE PLAN
LS142 3/64" = 1'-0"



1 FIRST FLOOR - VINTAGE PLAN
LS142 3/64" = 1'-0"

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REGISTERED ARCHITECT
RICHARD L. PROCHNA
019884
STATE OF NEW YORK

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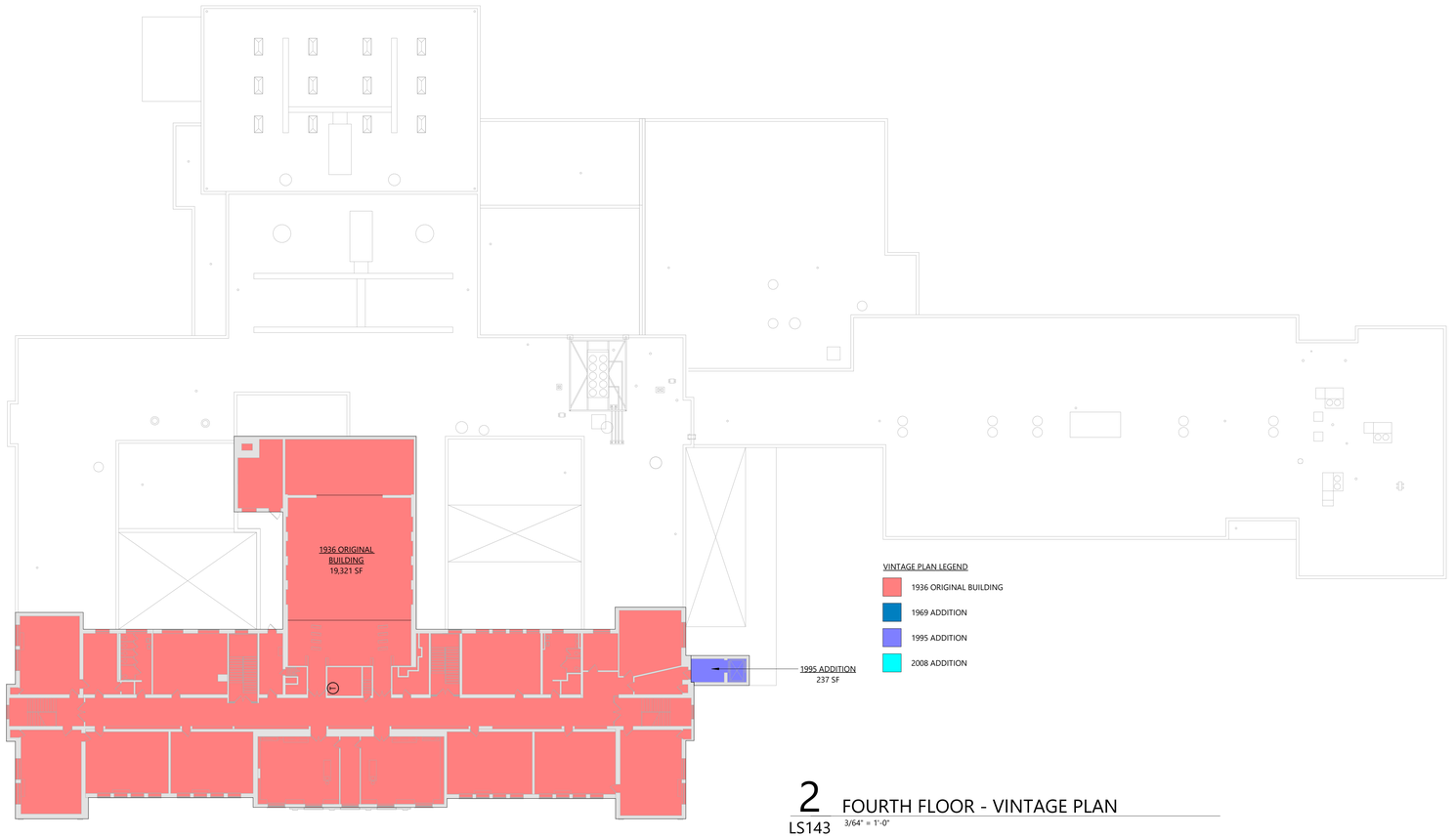
LIFE SAFETY - VINTAGE PLANS

Sheet No.

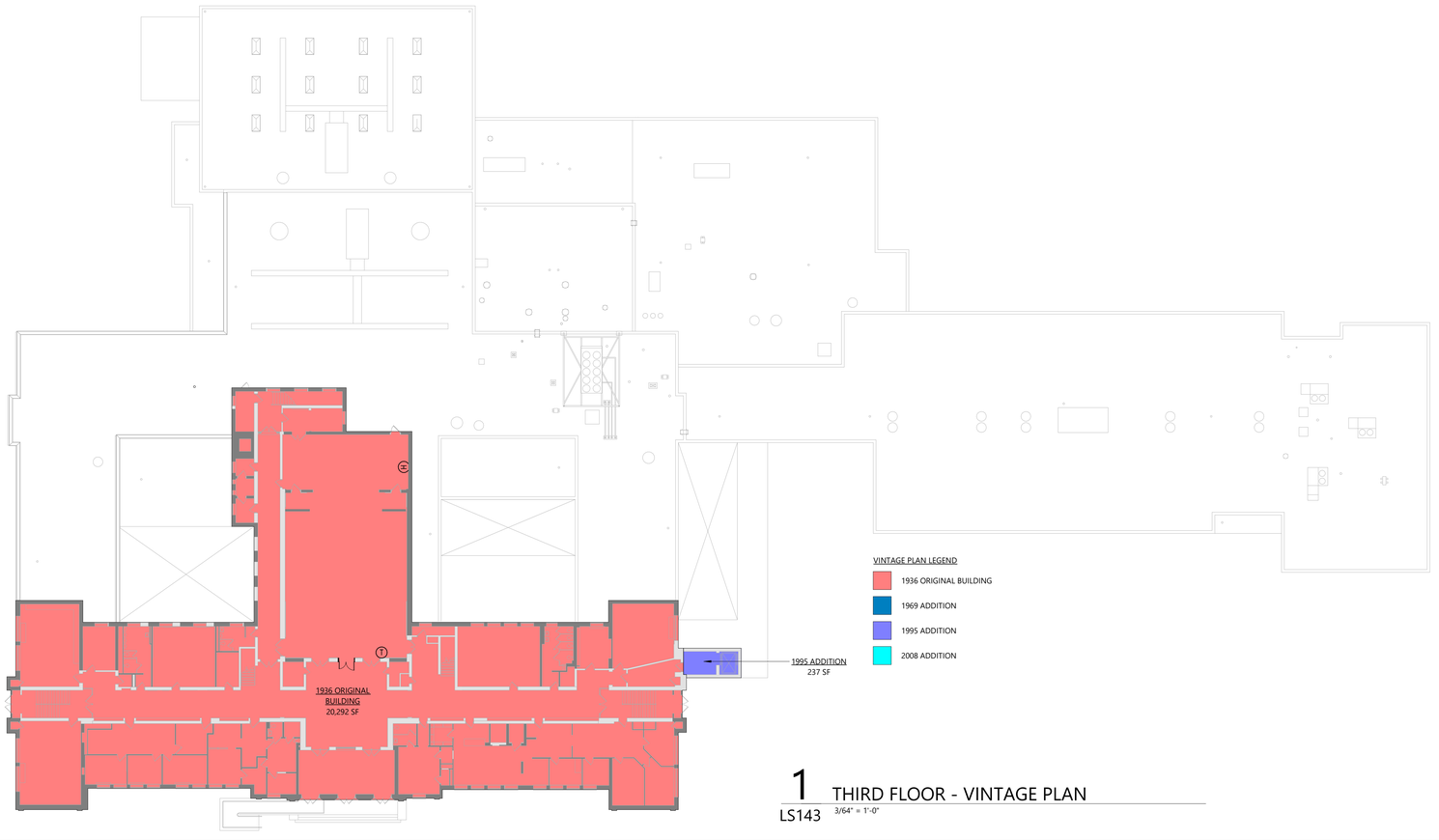
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LS142

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2 FOURTH FLOOR - VINTAGE PLAN
LS143 3/64" = 1'-0"



1 THIRD FLOOR - VINTAGE PLAN
LS143 3/64" = 1'-0"

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LIFE SAFETY - VINTAGE PLANS

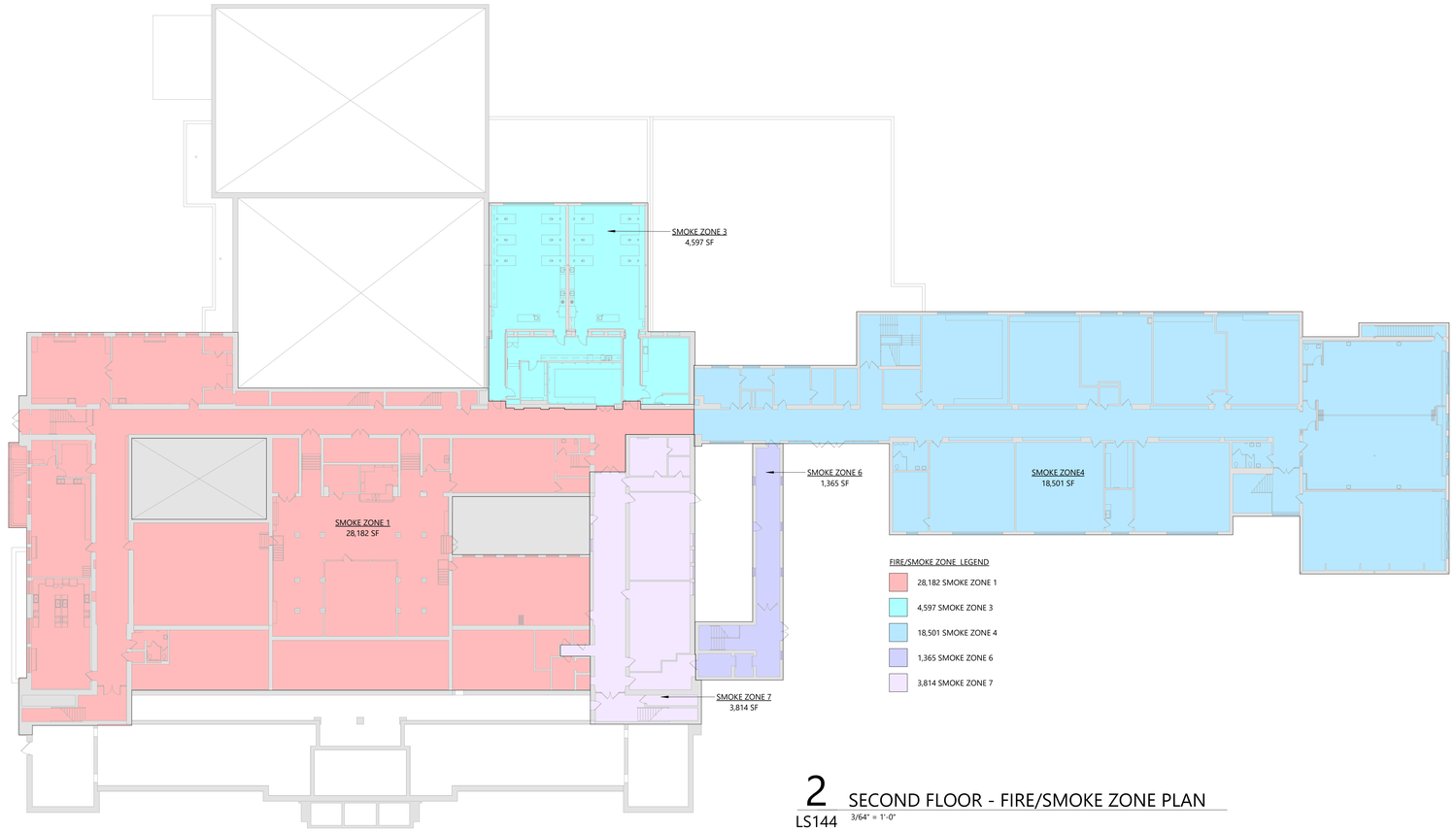
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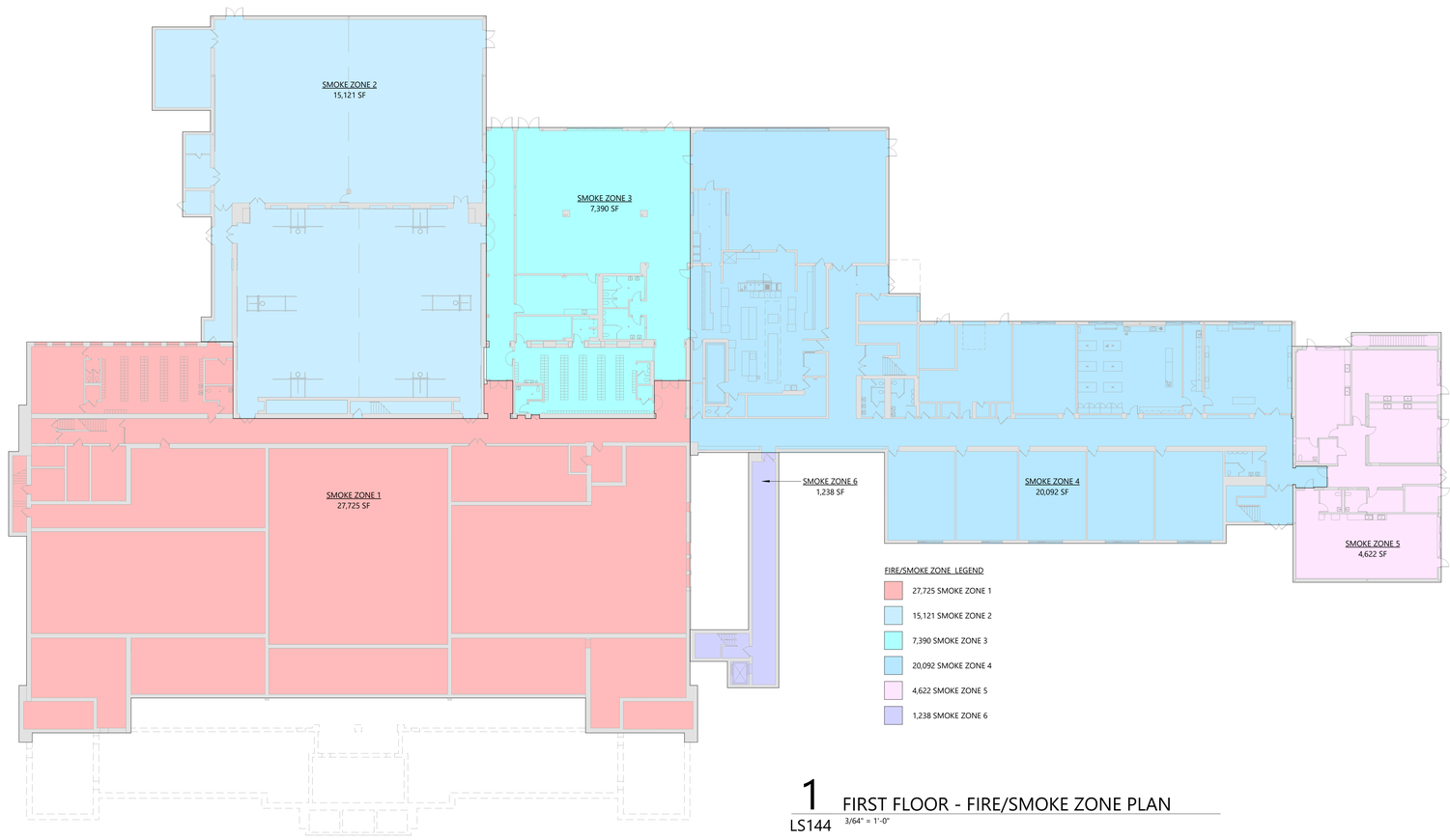
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2 SECOND FLOOR - FIRE/SMOKE ZONE PLAN
LS144 3/64" = 1'-0"



1 FIRST FLOOR - FIRE/SMOKE ZONE PLAN
LS144 3/64" = 1'-0"

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LIFE SAFETY - FIRE/SMOKE ZONE PLAN

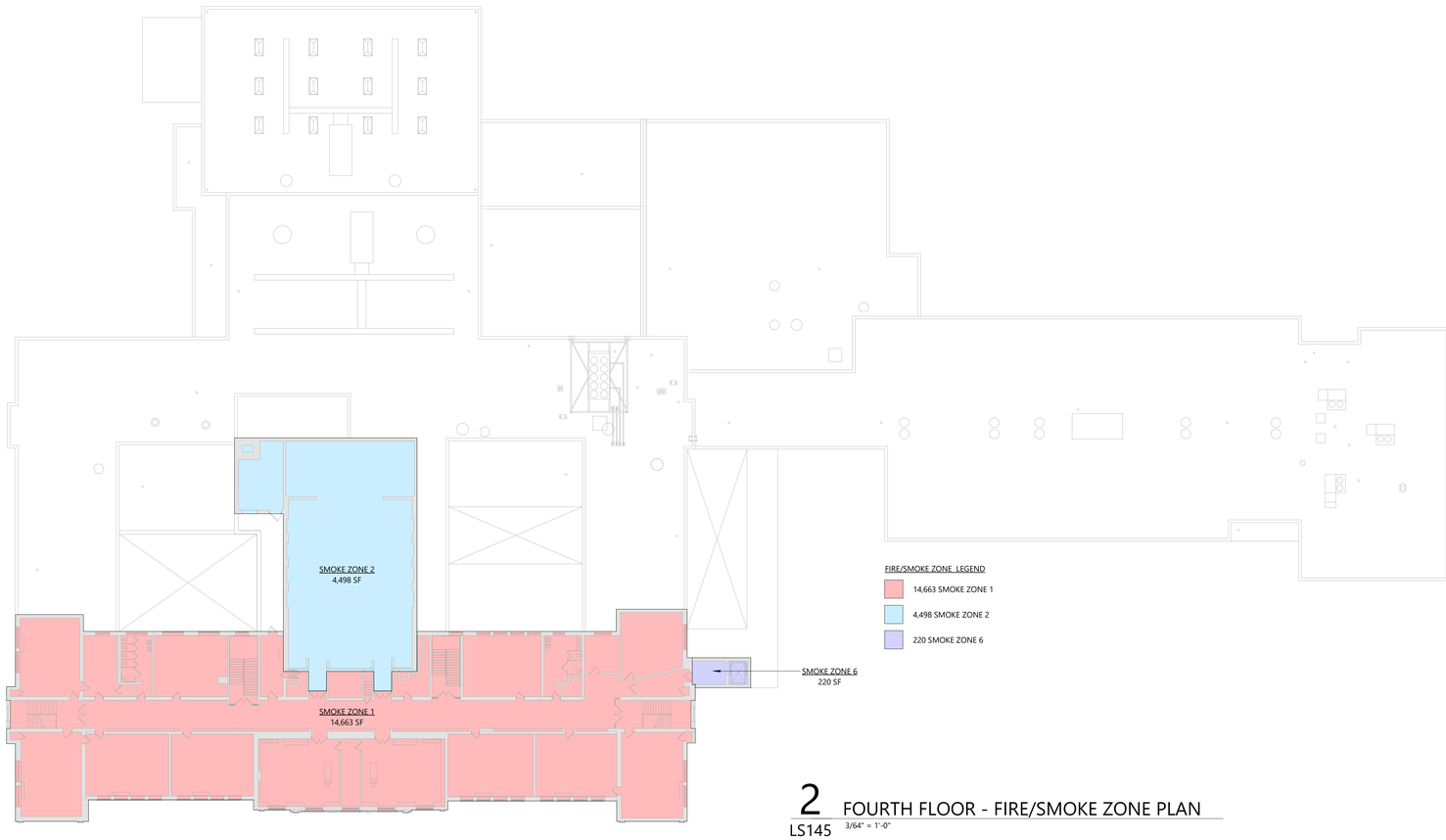
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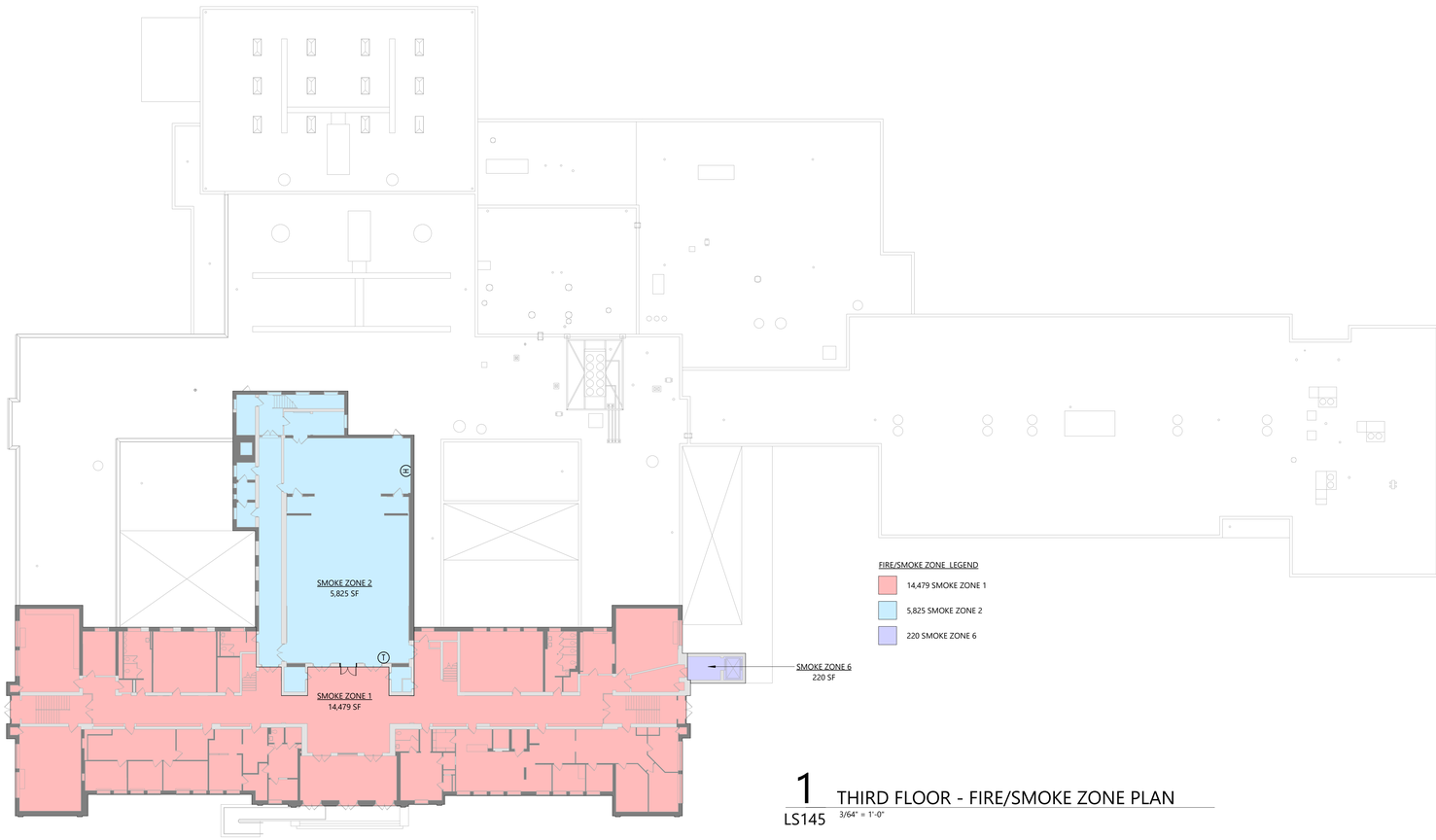
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2 FOURTH FLOOR - FIRE/SMOKE ZONE PLAN
LS145 3/64" = 1'-0"



1 THIRD FLOOR - FIRE/SMOKE ZONE PLAN
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LIFE SAFETY - FIRE/SMOKE ZONE PLAN

Sheet No.

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LS145

CONSTRUCTION DOCUMENTS

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GENERAL ABATEMENT NOTES:

1. A LIMITED HAZARDOUS MATERIALS SURVEY REPORT HAS BEEN PREPARED FOR THE PROJECT. REFERENCE ATL REPORT NOS. PT5638CE-01-06-26 REVISION 1, DATED SEPTEMBER 3, 2026, FOR DETAILS PERTAINING TO THE SUMMARY OF FINDINGS. A COPY OF THIS REPORT MUST BE MAINTAINED ON-SITE DURING THE PROJECT.
2. PERFORM ALL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL RULES, REGULATIONS, AND GUIDELINES.
3. ADJOINING AREAS MAY REMAIN OCCUPIED IN PART (BY THE OWNER) DURING THE ABATEMENT PROCESS. WORK MUST BE COORDINATED APPROPRIATELY.
4. COORDINATE ALL ABATEMENT AND REMOVALS WITH SCHEDULED DEMOLITION, RENOVATIONS, AND NEW CONSTRUCTION. ABATEMENT WORK MUST BE COMPLETED TO ENSURE THAT REMAINING HAZARDOUS MATERIALS ARE IN A SATISFACTORY CONDITION AND WILL NOT BE IMPACTED OR DISTURBED DURING SUBSEQUENT WORK.
5. ALL ABATEMENT WORK MUST BE COMPLETED PURSUANT TO PROJECT PHASING SCHEDULE, AND ABATEMENT MUST BE COMPLETED IN A WORK AREA PRIOR TO WORK BY OTHER TRADES THAT MAY DISTURB ACM OR OTHER HAZARDOUS MATERIALS.
6. NOTIFY EMPLOYEES AND SUBCONTRACTOR(S) OF THE PRESENCE OF ACM AND/OR OTHER HAZARDOUS MATERIAL-CONTAINING ITEMS. PREVENT THE DISTURBANCE OF KNOWN OR SUSPECT HAZARDOUS MATERIALS-CONTAINING ITEMS TO REMAIN.
7. MAINTAIN AND SAFEGUARD EXISTING EXIT PATHWAYS AND FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH CHAPTER 13 OF THE EXISTING BUILDING CODE OF NEW YORK STATE AND CHAPTERS 4 AND 14 OF THE FIRE CODE OF NEW YORK STATE.
8. ALL MATERIAL MEASUREMENTS AND/OR QUANTITIES ARE APPROXIMATE. INFORMATION PROVIDED ON DRAWINGS IS FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO VERIFY IN THE FIELD.
9. COORDINATE WATER AND ELECTRICAL SERVICES WITH THE OWNER PRIOR TO INITIATION OF WORK. VERIFY SUITABILITY AND LOCATIONS OF ALL CONNECTIONS.
10. ALL MOVABLE OBJECTS WITHIN THE WORK AREAS WILL BE MOVED AND STORED BY THE OWNER UNLESS THE REMOVAL IMPACTS OR WILL DISTURB KNOWN OR SUSPECT ACM OR OTHER HAZARDOUS MATERIALS.
11. PERFORM WORK IN SUCH A MANNER AS TO MINIMIZE THE RISK OF EXPOSURE TO PERSONNEL, TO PREVENT EXPOSURE TO OCCUPANTS, AND TO MINIMIZE THE RISK OF RELEASE OF HAZARDOUS MATERIALS TO THE ENVIRONMENT.
12. PRESERVE AND PROTECT EXISTING BUILDING MATERIALS, FINISHES, FACILITY EQUIPMENT, FURNISHINGS, AND VEGETATION AND LANDSCAPING THAT ARE NOT REMOVED, ABATED, OR SCHEDULED FOR DEMOLITION. PERFORM WORK WITHOUT DAMAGE TO OR CONTAMINATION OF ADJACENT AREAS. WHERE SUCH AREAS ARE DAMAGED, RESTORATION MUST BE TO ORIGINAL CONDITION. WHERE SUCH AREAS ARE CONTAMINATED, PROVIDE FOR REQUISITE CONTAINMENT AND CLEANUP.
13. MAINTAIN THE WORK AREA(S) IN A CLEAN AND SAFE CONDITION, AND ENSURE THAT UNCERTIFIED PERSONNEL OR UNAUTHORIZED VISITORS DO NOT ENTER ACTIVE WORK AREAS.
14. LOCATIONS OF ANY SITE STORAGE OF MATERIAL, EQUIPMENT, AND WASTE RECEPTACLES MUST BE COORDINATED WITH AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
15. UPON COMPLETION OF ABATEMENT ACTIVITIES AND SATISFACTORY CLEARANCE/INSPECTION, COMPLETELY REMOVE ALL ADHESIVES, TAPE, AND RESIDUE RESULTING FROM THE INSTALLATION OF WORK AREA CONTAINMENT AND DECONTAMINATION SYSTEMS. IN THE EVENT THAT SURFACES ARE DAMAGED BY THESE MATERIALS, THE ABATEMENT CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR/CLEANING OF AFFECTED SURFACES TO ORIGINAL CONDITION OR TO THE SATISFACTION OF THE OWNER.
16. UPON COMPLETION OF ABATEMENT ACTIVITIES AND SATISFACTORY CLEARANCE/INSPECTION, COORDINATE FOR TEMPORARILY SECURING ANY OPENINGS BETWEEN THE INTERIOR BUILDING AND EXTERIOR ENVIRONMENT UNTIL PERMANENT ENCLOSURE/SEALING CAN BE PROVIDED.

GENERAL ASBESTOS ABATEMENT NOTES:

1. REFERENCE SECTION 028200 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO THE ABATEMENT OF ACM.
2. PERFORM ASBESTOS ABATEMENT WORK IN ACCORDANCE WITH 12 NYCRR PART 56, AS AMENDED EFFECTIVE MARCH 21, 2007, AND INCLUDING INFORMATION PRESENTED IN GUIDANCE DOCUMENT 2.0 DATED JANUARY 30, 2009.
3. IDENTIFIED ACM IN THE AREAS OF SCHEDULED WORK WILL REQUIRE ABATEMENT PRIOR TO PERFORMANCE OF OTHER WORK. REFERENCE TABLE HM-01 OF THIS SHEET FOR A SUMMARY OF THE IDENTIFIED ACM IN THE AREAS OF WORK. THE ABATEMENT PLAN SHEETS PROVIDE ADDITIONAL DESCRIPTION OF AREAS WHERE ABATEMENT OF THESE MATERIALS IS REQUIRED.
4. THE PROVISIONS OF ANY SITE-SPECIFIC VARIANCE PROPOSED TO BE OBTAINED BY THE CONTRACTOR MUST BE REVIEWED AND APPROVED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE, PRIOR TO PETITION TO THE NYSDOL.
5. FOR WORK AREAS WITH ABATEMENT OF MULTIPLE ACM, PROVIDE FOR ABATEMENT OF THE ACM UTILIZING SEQUENTIAL ABATEMENT AS DESCRIBED IN 12 NYCRR PART 56-8.6.
6. THE ABATEMENT CONTRACTOR MUST REMOVE ANY BUILT-IN ITEMS AND/OR ADHERED/AFFIXED MATERIALS WHERE SUCH REMOVAL MAY IMPACT OR DISTURB KNOWN OR SUSPECT ACM.

GENERAL AWARENESS NOTES FOR PCB-CONTAINING CAULK:

1. SAMPLING AND ANALYSIS OF SUSPECT PCB-CONTAINING CAULK MATERIALS WERE PERFORMED FOR THIS PROJECT AND THE RESULTS ARE PROVIDED IN THE LIMITED HAZARDOUS MATERIALS REPORT. THE LABORATORY ANALYSIS RESULTS FOR THE SAMPLED CAULK MATERIALS DID NOT IDENTIFY DETECTABLE CONCENTRATIONS OF PCB. REFERENCE THE LIMITED HAZARDOUS MATERIALS REPORT FOR ADDITIONAL DETAILS PERTAINING TO SAMPLING AND ANALYSIS.

GENERAL LEAD AWARENESS NOTES:

1. REFERENCE SECTION 028300 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS PERTAINING TO THE WORK ACTIVITIES AFFECTING LBP AND LCM.
2. TESTING OF SELECTED REPRESENTATIVE SURFACES FOR LEAD WAS PERFORMED FOR THIS PROJECT AND THE RESULTS ARE PROVIDED IN THE LIMITED HAZARDOUS MATERIALS REPORT. REFERENCE TABLES HM-02A AND HM-02B OF THIS SHEET AND THE LIMITED HAZARDOUS MATERIALS REPORT FOR ADDITIONAL DETAILS PERTAINING TO TESTED LOCATIONS. FOR PAINTED/COATED SURFACES NOT TESTED, ASSUME THE MATERIAL CONTAINS LEAD.
3. WORK ACTIVITIES DISTURBING LCM (OR MATERIALS ASSUMED TO CONTAIN LEAD) ARE SUBJECT TO OSHA LEAD IN CONSTRUCTION STANDARD (29 CFR 1926.62) REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR TAKING APPROPRIATE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT.
4. PROVIDE FOR REPRESENTATIVE SAMPLING OF LEAD-CONTAINING WASTE, AND LABORATORY ANALYSIS FOR TCLP LEAD TO CLASSIFY WHETHER HAZARDOUS OR NON-HAZARDOUS RELATIVE TO LEAD. BASED ON RESULTS OF TCLP LEAD ANALYSIS, AND PENDING OTHER TYPES OF WASTE THAT MAY BE CO-MINGLED WITH THE LEAD, PROVIDE FOR APPROPRIATE TRANSPORT AND DISPOSAL IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.

LIST OF ABBREVIATIONS:

ACM	ASBESTOS-CONTAINING MATERIALS
CFR	CODE OF FEDERAL REGULATIONS
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
LBP	LEAD-BASED PAINT
LCM	LEAD-CONTAINING MATERIALS
NYCRR	NEW YORK CODES, RULES AND REGULATIONS
NYSDOL	NEW YORK STATE DEPARTMENT OF LABOR
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PCB	POLYCHLORINATED BIPHENYLS
PPM	PARTS PER MILLION
TCLP	TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TSI	THERMAL SYSTEMS INSULATION

TABLE HM-01A: ASBESTOS ABATEMENT SCHEDULE AND AWARENESS NOTE

DRAWING NOTE ID	TYPE OF ACM	LOCATION	ESTIMATED QUANTITY	ABATEMENT CONDITIONS
01-A	WHITE SKIM COAT WALL PLASTER	KITCHEN STORAGE 124A	50 SQUARE FEET	REMOVAL AT LOCATIONS AFFECTED BY SCHEDULED WORK, PER 12 NYCRR PART 56 REQUIREMENTS. COORDINATE AND ESTABLISH SPECIFIC LOCATIONS AND EXTENT OF REMOVALS WITHIN THE REFERENCED ROOM WITH ELECTRICAL AND MECHANICAL CONTRACTOR.
02-A	CREAM CEILING PLASTER TOP COAT	CORRIDOR C200 (ADJACENT TO ROOM 219)	8 SQUARE FEET	REMOVAL LOCATIONS AFFECTED BY SCHEDULED WORK, PER 12 NYCRR PART 56 REQUIREMENT. COORDINATE AND ESTABLISH SPECIFIC LOCATIONS AND EXTENT OF REMOVALS WITHIN THE REFERENCED CORRIDOR WITH ELECTRICAL AND MECHANICAL CONTRACTOR.
	BLACK WATERPROOFING TAR ASSOCIATED WITH BRICK EXTERIOR WALLS	AUDITORIUM PLENUM	TO BE DETERMINED, IF REQUIRED	THE ASBESTOS-CONTAINING BLACK WATERPROOFING TAR ASSOCIATED WITH BRICK EXTERIOR WALLS WITHIN THE PLENUM SPACE OF THE AUDITORIUM IS NOT SCHEDULED TO BE IMPACTED BY THE PLANNED RENOVATION PROJECT. IN THE EVENT THAT PROJECT CONDITIONS CHANGE AND THE WORK REQUIRES DISTURBANCE OF THIS ACM, REMOVAL AT THE AFFECTED AREAS MUST BE PERFORMED PURSUANT TO 12 NYCRR PART 56 REQUIREMENTS.

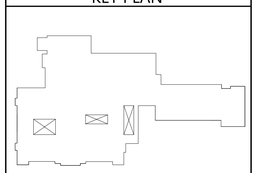
TABLE HM-02A: COMPONENTS TESTED AND IDENTIFIED AS LEAD-CONTAINING MATERIAL (GREATER THAN OR EQUAL TO 1.0 mg/cm^2)

KEYED NOTE ID	DESCRIPTION OF MATERIAL	LOCATION
01-L	WHITE METAL STAGE GRATE	AUDITORIUM

TABLE HM-02B: COMPONENTS TESTED AND IDENTIFIED AS LEAD-CONTAINING MATERIAL (BETWEEN 0.1 - 0.9 mg/cm^2)

DESCRIPTION OF MATERIAL	LOCATION
WHITE CEILING PLASTER, WHITE CONCRETE COLUMN, WHITE CONCRETE WALL, WHITE METAL WALL	AUDITORIUM
BROWN METAL RAILING, BROWN METAL HVAC, GRAY METAL WALL	STAGE 324A
WHITE PLASTER WALLS	ROOM 219
LIGHT GREEN PLASTER CEILING	ROOM 124A
WHITE BRICK CEILING	BOILER ROOM
WHITE PLASTER WALLS, BLACK METAL HVAC	FAN ROOM

KEY PLAN



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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK
JEROME JOHN DASHNAW
089577
LICENSED PROFESSIONAL ENGINEER
REGISTRATION EXPIRES: 02/31/2028

No.	DATE	DESCRIPTION

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Checked By:	C Dashnaw
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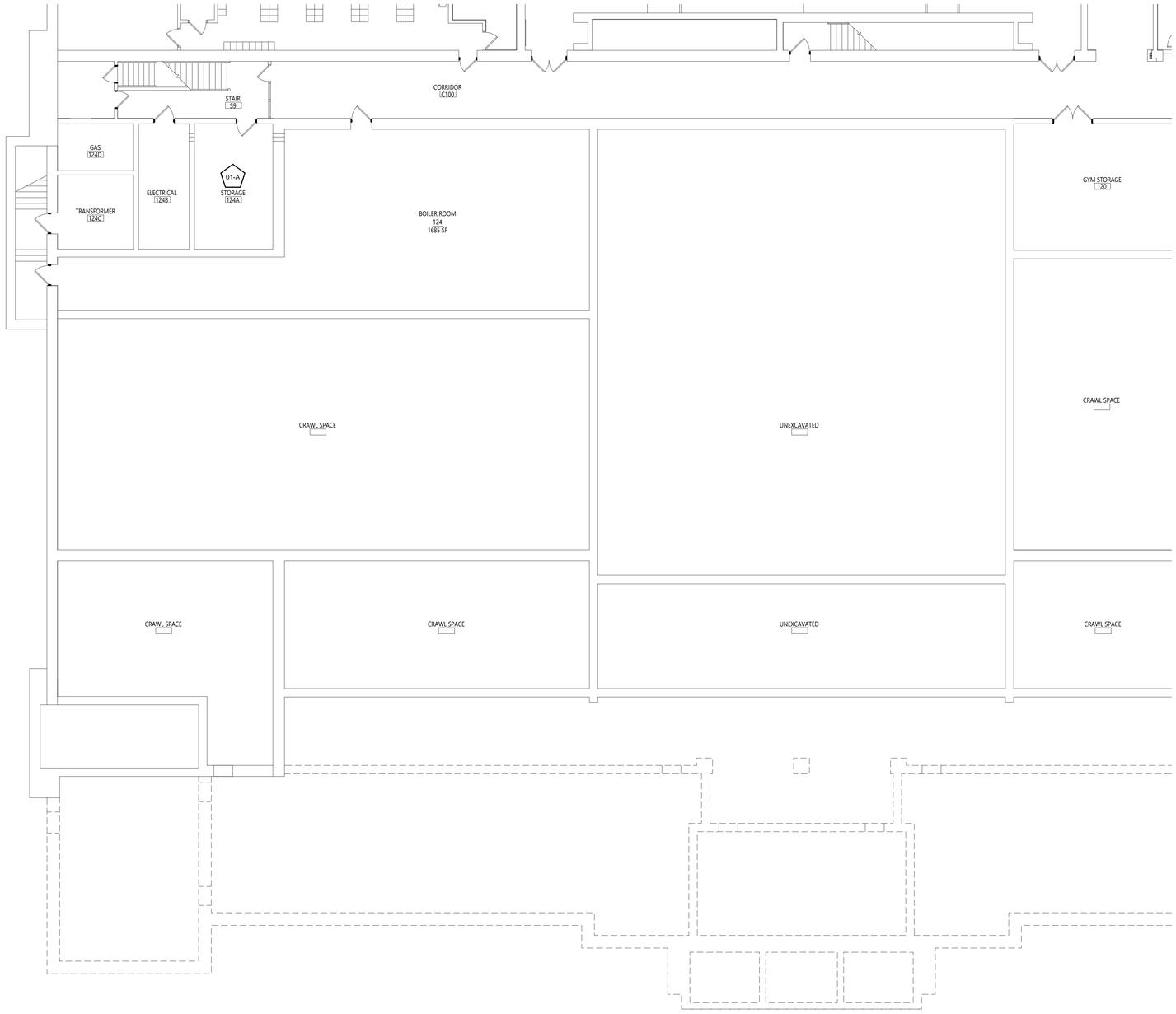
Sheet Title

ABATEMENT SCHEDULES, NOTES, AND ABBREVIATIONS

Sheet No.

NFA HM001

CONSTRUCTION DOCUMENTS



1 ABATEMENT - PARTIAL FIRST FLOOR - BOILER ROOM
HM100 1/8" = 1'-0"

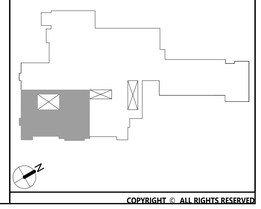
ABATEMENT KEY NOTES

01-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING WHITE SKIM COAT WALL PLASTER AT LOCATIONS AFFECTED BY SCHEDULED WORK. COORDINATE AND ESTABLISH LOCATIONS AND EXTENT OF REMOVALS WITH ELECTRICAL AND MECHANICAL CONTRACTORS.

LEAD PAINT HANDLING AND DISPOSAL:

PERFORM WORK ACTIVITIES AFFECTING LEAD-CONTAINING PAINT IN ACCORDANCE WITH OSHA 29 CFR 1926.62. DISPOSE OF WASTE MATERIALS THAT ARE INCLUSIVE OF LEAD-CONTAINING PAINT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. REFERENCE THE LIMITED HAZARDOUS MATERIALS SURVEY REPORT FOR A SUMMARY OF IDENTIFIED LEAD-CONTAINING PAINT.

KEY PLAN



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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



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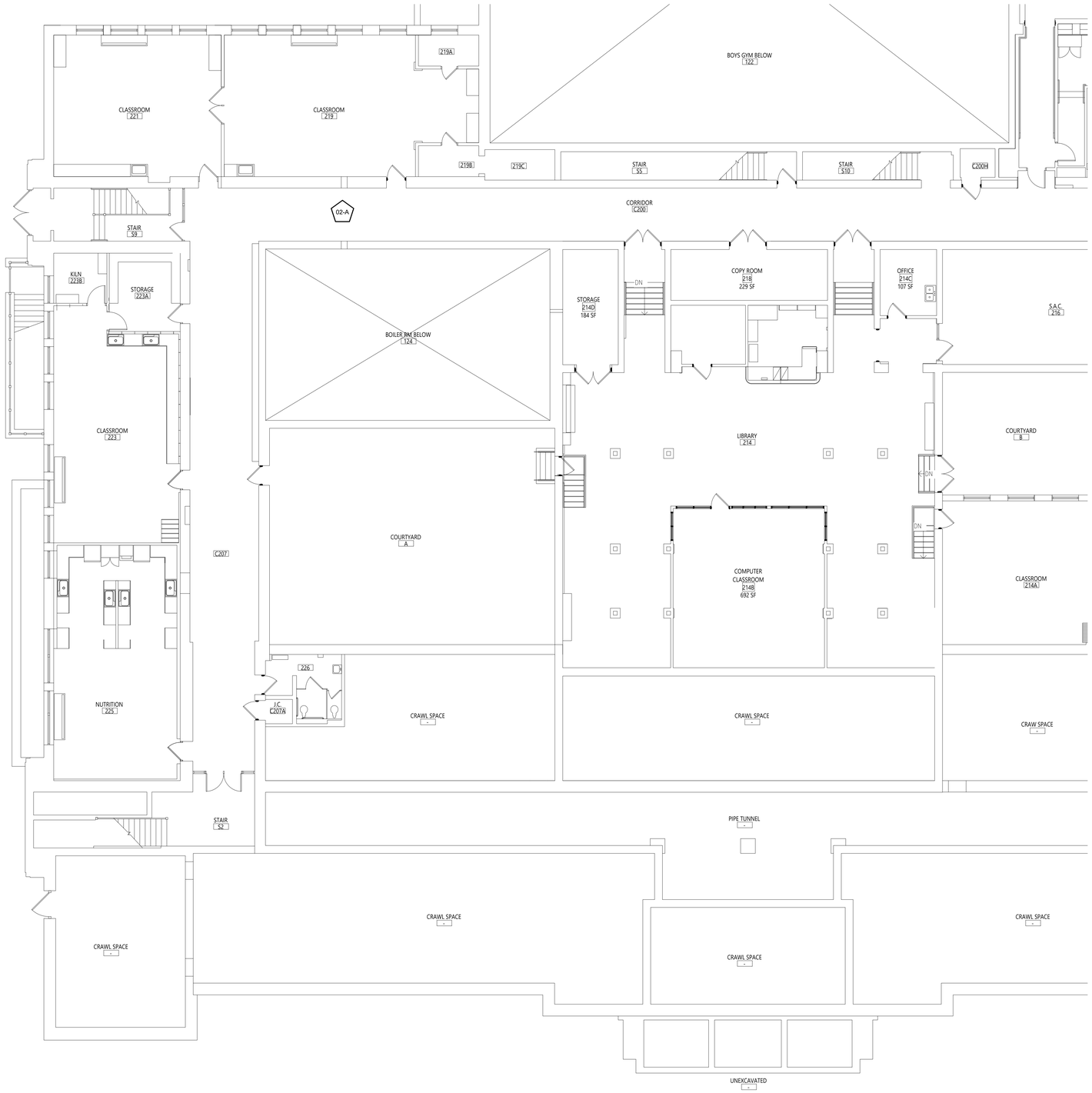
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Sheet Title
FIRST FLOOR ABATEMENT PLAN

Sheet No.
NFA
HM100

CONSTRUCTION DOCUMENTS



1 ABATEMENT - PARTIAL SECOND FLOOR - LIBRARY

HM101 1/8" = 1'-0"

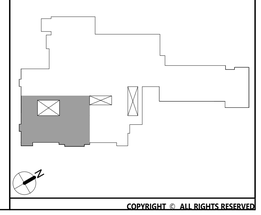
ABATEMENT KEY NOTES

02-A REMOVE AND DISPOSE OF ASBESTOS-CONTAINING CREAM CEILING PLASTER TOP COAT AT LOCATIONS AFFECTED BY SCHEDULED WORK. COORDINATE AND ESTABLISH LOCATIONS AND EXTENT OF REMOVALS WITH ELECTRICAL AND MECHANICAL CONTRACTORS.

LEAD PAINT HANDLING AND DISPOSAL:

PERFORM WORK ACTIVITIES AFFECTING LEAD-CONTAINING PAINT IN ACCORDANCE WITH OSHA 29 CFR 1926.62. DISPOSE OF WASTE MATERIALS THAT ARE INCLUSIVE OF LEAD-CONTAINING PAINT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. REFERENCE THE LIMITED HAZARDOUS MATERIALS SURVEY REPORT FOR A SUMMARY OF IDENTIFIED LEAD-CONTAINING PAINT.

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK
CHRISTOPHER JOHN DASHNAW
089577
LICENSED PROFESSIONAL ARCHITECT
REGISTRATION EXPIRES: 10/31/2028

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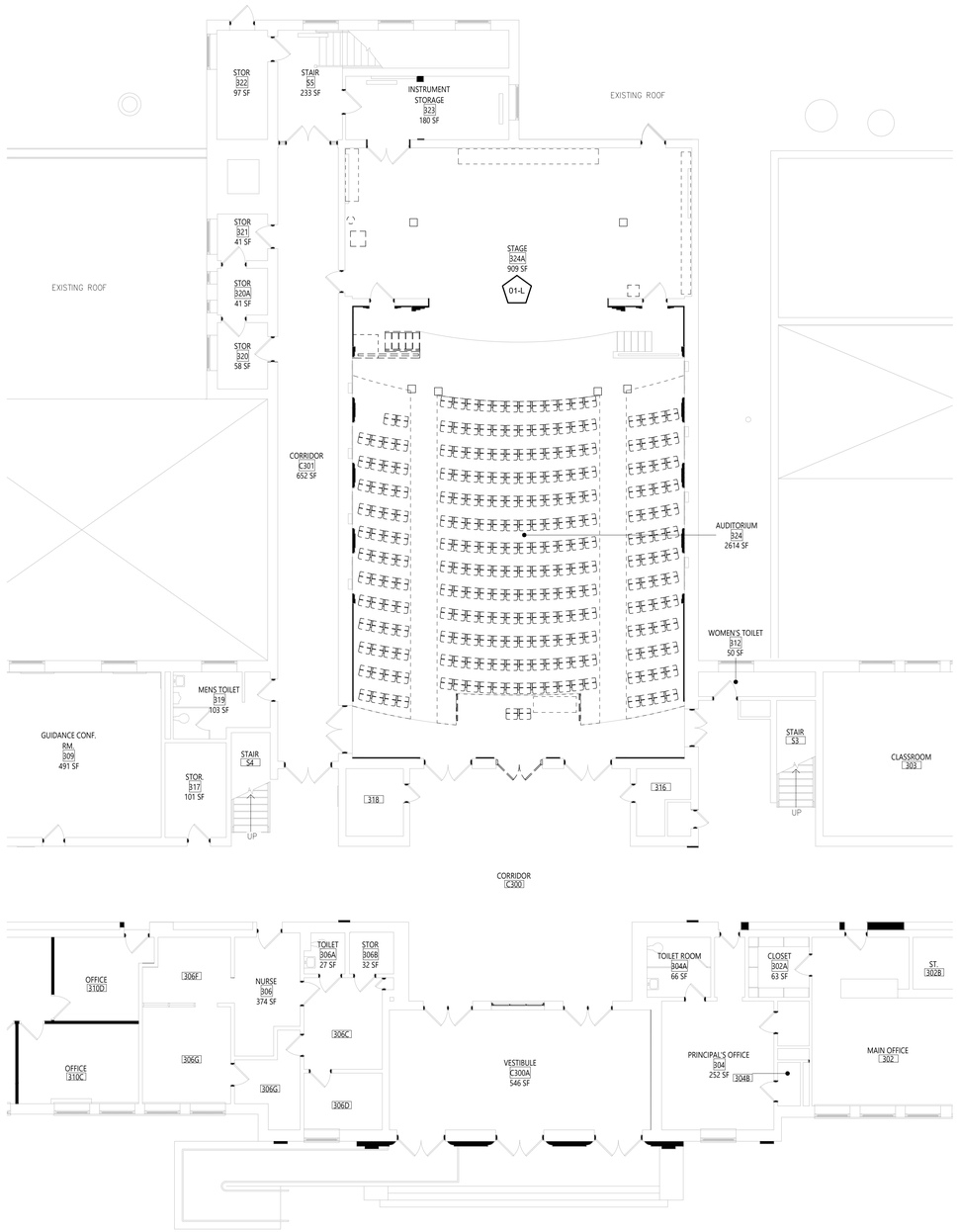
Sheet Title

SECOND FLOOR ABATEMENT PLAN

Sheet No.

NFA HM101

CONSTRUCTION DOCUMENTS



1 ABATEMENT - PARTIAL THIRD FLOOR - AUDITORIUM

HM102 1/8" = 1'-0"

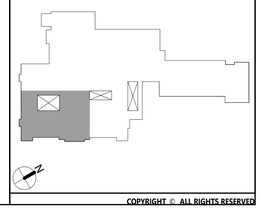
ABATEMENT KEY NOTES

01-L PERFORM ABATEMENT OF METAL STAGE GRATES WITH LEAD-CONTAINING WHITE PAINT.

LEAD PAINT HANDLING AND DISPOSAL:

PERFORM WORK ACTIVITIES AFFECTING LEAD-CONTAINING PAINT IN ACCORDANCE WITH OSHA 29 CFR 1926.62. DISPOSE OF WASTE MATERIALS THAT ARE INCLUSIVE OF LEAD-CONTAINING PAINT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. REFERENCE THE LIMITED HAZARDOUS MATERIALS SURVEY REPORT FOR A SUMMARY OF IDENTIFIED LEAD-CONTAINING PAINT.

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AUDITORIUM RENOVATION

STATE OF NEW YORK
CHRISTOPHER JOHN DASHNAW
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LICENSED PROFESSIONAL ENGINEER
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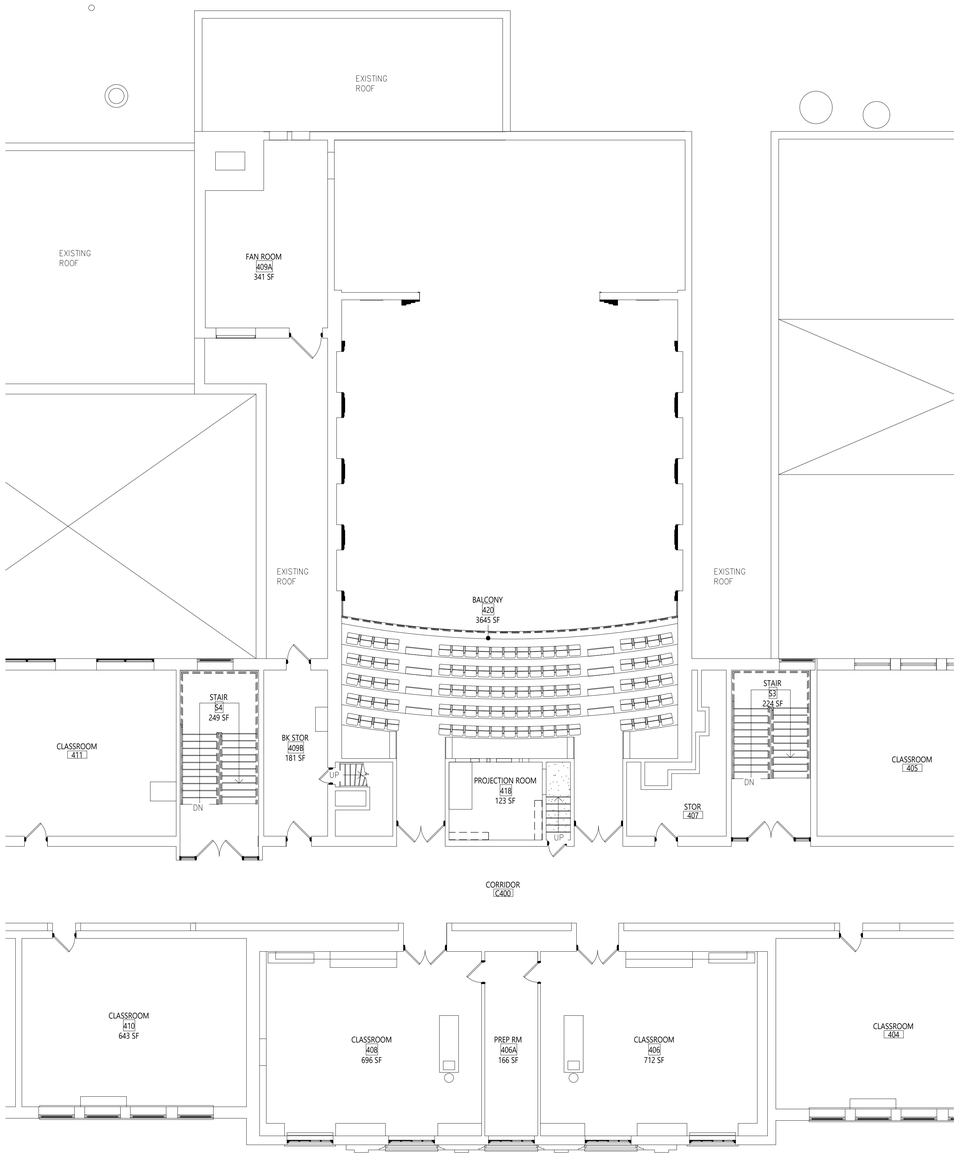
Sheet Title

THIRD FLOOR ABATEMENT PLAN

Sheet No.

NFA HM102

CONSTRUCTION DOCUMENTS



1 ABATEMENT - PARTIAL FOURTH FLOOR - BALCONY

HM103 1/8" = 1'-0"

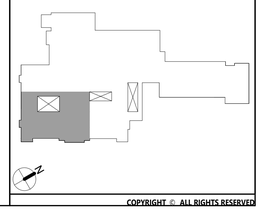
LEAD PAINT HANDLING AND DISPOSAL:

PERFORM WORK ACTIVITIES AFFECTING LEAD-CONTAINING PAINT IN ACCORDANCE WITH OSHA 29 CFR 1926.62. DISPOSE OF WASTE MATERIALS THAT ARE INCLUSIVE OF LEAD-CONTAINING PAINT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. REFERENCE THE LIMITED HAZARDOUS MATERIALS SURVEY REPORT FOR A SUMMARY OF IDENTIFIED LEAD-CONTAINING PAINT.

ASBESTOS ABATEMENT NOTES:

1. REFERENCE TABLE HM-01A ON SHEET NFA-HM001 FOR ADDITIONAL NOTES AND REQUIREMENTS PERTAINING TO ABATEMENT OF ACM.
2. AS INDICATED IN TABLE HM-01A ON SHEET NFA-HM001, ASBESTOS-CONTAINING BLACK WATERPROOFING TAR WITHIN THE PLENUM OF THE AUDITORIUM IS NOT SCHEDULED TO BE IMPACTED BY THE PLANNED RENOVATION PROJECT. IN THE EVENT THAT PROJECT CONDITION CHANGE AND THE WORK REQUIRES DISTURBANCE OF THIS ACM, ABATEMENT WILL BE REQUIRED FOR THE AFFECTED AREAS.

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



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Sheet Title

FOURTH FLOOR ABATEMENT PLAN

Sheet No.

NFA HM103

CONSTRUCTION DOCUMENTS

GENERAL NOTES:

1. ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, HVAC, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
2. THE CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC, IN THE FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
3. THE DRAWINGS ARE INTENDED TO REQUIRE AND TO INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT PROPER FOR THE WORK.
4. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES AND REQUIREMENTS.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND SAFETY PROCEDURES. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
6. OBSERVE ALL OSHA AND OTHER APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CONSTRUCTION SAFETY AT ALL TIMES.
7. COORDINATE WORK OF ALL DISCIPLINES (STRUCT., ARCH., MECH., ELECT., ETC.) WITH EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS PERFORMING WORK AT THE SITE.
8. ALL TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER THE STRUCTURAL INTEGRITY OF ANY EXISTING FEATURE.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLACED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
10. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO CONSTRUCTION. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY. SEE THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS. CHANGES AFFECTING THE LAYOUT SHOWN MUST BE SPECIFIC AND CLEARLY CONVEYED TO THE OWNER'S REPRESENTATIVE IN WRITTEN FORM AS A CHANGE FOR INCLUSION INTO THESE PLANS.
11. SHOP DRAWINGS: REPRODUCTION OF DESIGN DRAWINGS SHALL NOT BE PERMITTED FOR SHOP DRAWING SUBMISSIONS. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL REVIEW AND PROVIDE REVIEW STAMP ON SHOP DRAWING SUBMISSIONS PRIOR TO SUBMITTAL TO ARCHITECT/ENGINEER INDICATING UNDERSTANDING AND ACCEPTANCE OF SUBMITTAL AND CONFIRMING CONFORMANCE TO PROJECT PLANS/SPECIFICATIONS.
12. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY.
13. ALL TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
14. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, PROCESS OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE PERTINENT TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS SHALL BE BORNE BY THE APPROPRIATE CONTRACTOR.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL WORK INCLUDES ALL STRUCTURAL STEEL TO BE FURNISHED AND ERECTED, BEAMS, COLUMNS, CHANNELS, ANGLES, JOISTS, LINTELS, BEARING PLATES, ETC., AS INDICATED ON THE DRAWINGS.
2. MATERIALS:
   A. WIDE FLANGE BEAMS, GIRDERS AND COLUMNS: ASTM A992
   B. ANGLES, BARS AND PLATES: ASTM A36.
   C. HOLLOW STRUCTURAL SECTIONS "HSS": ASTM A500, GRADE C
   D. PIPE: SCHEDULE 40 CONFORMING TO ASTM A53, GRADE B, U.N.O.
   E. HIGH STRENGTH BOLTS: ASTM A 325.
   F. WELDS: E70XX ELECTRODES.
3. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED.
4. ALL STRUCTURAL STEEL SHOP CONNECTIONS SHALL BE WELDED AND ALL FIELD CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED UNLESS SHOWN OTHERWISE.
5. ALL BOLTS SHALL BE TIGHTENED TO THE SNUG-TIGHT CONDITION UNLESS NOTED OTHERWISE. SLIP CRITICAL BOLTS SHALL BE USED AT ALL MOMENT CONNECTIONS.
6. BOLTS SHALL BE 3/4 INCH DIAMETER, TYPE A325N, UNLESS OTHERWISE INDICATED. FOR DELEGATED DESIGN CONNECTIONS, BOLT SIZE, GRADE AND TYPE SHALL BE AS SPECIFIED BY THE DELEGATED CONNECTIONS DESIGN ENGINEER (ASTM A325N, 3/4 INCH DIAMETER, MINIMUM).
7. IN ACCORDANCE WITH AISC 303-10, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (STEEL CONNECTION DESIGN - OPTION 3), SHEAR CONNECTIONS FOR SIMPLY SUPPORTED BEAMS SHALL BE DESIGNED FOR THE LRFD REACTIONS INDICATED ON THE FRAMING PLANS IN ACCORDANCE WITH AISC REQUIREMENTS. WHERE NONE ARE INDICATED, BEAMS SHALL BE DESIGNED FOR AN END REACTION EQUAL TO NO LESS THAN 15 KIPS. DETERMINATION OF BOLT SIZE, TYPE, GRADE AND CONNECTING MATERIAL THICKNESS AND SIZE IS THE RESPONSIBILITY OF THE DELEGATED ENGINEER. CONNECTION DESIGN SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK (WHO IS CONTRACTED AND WORKING FOR THE FABRICATOR) AND SUBMITTED FOR REVIEW WITH THE STRUCTURAL STEEL SHOP DRAWINGS.
8. WELDING ELECTRODES SHALL CONFORM TO REQUIREMENTS SHOWN IN TABLE 3.2 OF AWS D1.1:2015, AND FILLER METAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 70 KSI. WHERE WELD SIZE IS NOT GIVEN WELD SIZE SHALL BE A MINIMUM IN ACCORDANCE WITH TABLE 5.7 OF AWS D1.1:2015.
9. WELDS INDICATED "C.P." SHALL BE COMPLETE JOINT PENETRATION GROOVE WELDS. FABRICATOR SHALL PRODUCE COMPLETE JOINT PENETRATION GROOVE WELDS WHICH CONFORM TO ALL AWS D1.1 QUALIFIED WELD REQUIREMENTS AND WHICH ARE APPLICABLE TO THE SPECIFIC CONDITIONS SHOWN.
10. WHERE THE WORK OF OTHER TRADES REQUIRES CUTS, HOLES, ETC., IN STRUCTURAL STEEL MEMBERS, CUTS, HOLES, ETC., SHALL BE MADE IN THE SHOP AND SHALL BE SHOWN ON THE SHOP DRAWINGS. MAKING HOLES OR CUTS IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED WITHOUT SPECIFIC APPROVAL OF THE OWNER'S REPRESENTATIVE.

POST-INSTALLED ANCHOR NOTES:

1. POST INSTALLED ANCHORS HAVE BEEN DESIGNED WITH HILTI ANCHORS (NOTED BELOW) AS THE BASIS OF DESIGN. INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
   A. EXPANSION ANCHORS: KWIK BOLT ((3 OR TZ))
   B. SLEEVE ANCHORS: HLC SLEEVE ANCHOR
   C. ADHESIVE ANCHORS: HIT HY-200
   D. SCREEN TUBE ANCHORS: HIT HY-270
2. CONTRACTOR MAY PROVIDE EQUIVALENT ANCHORS WITH SIZE AND FINISH AS NOTED AND EQUIVALENT SHEAR AND TENSION CAPACITIES AFTER MODIFICATION DUE TO EMBEDMENT, SPACING AND EDGE DISTANCES AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE
3. ALL ADHESIVE ANCHORS FOR REINFORCING SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS.
4. DESIGN ADHESIVE BOND STRENGTH FOR ADHESIVE ANCHORS IN CONCRETE HAS BEEN BASED ON ACI 355.4, TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS.
5. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318 D.9.2.4.

SPECIAL INSPECTION NOTES:

1. SPECIAL INSPECTIONS WILL BE PERFORMED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS.
2. OWNER, OR ARCHITECT/STRUCTURAL ENGINEER OF RECORD ACTING AS THE OWNER'S AGENT, SHALL DIRECTLY EMPLOY AND PAY FOR SERVICES OF THE SPECIAL INSPECTORS TO PERFORM REQUIRED SPECIAL INSPECTIONS.

RENOVATION AND EXISTING STRUCTURE NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ETC.,, NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING STRUCTURE. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS NECESSARY FOR PROPER FABRICATION AND ERECTION OF ALL STRUCTURAL MEMBERS. THE CONTRACTOR SHALL SUPPORT, BRACE AND SECURE EXISTING STRUCTURES AS REQUIRED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF EXISTING STRUCTURES DURING CONSTRUCTION.
2. BEFORE PROCEEDING WITH ANY WORK WITHIN OR ADJACENT TO THE EXISTING STRUCTURE, THE CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS. DURING THE PROCESS OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE WHERE THE EXISTING STRUCTURE IS MODIFIED TO ACCOMMODATE NEW CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING STRUCTURE, WHICH ARE TO REMAIN.
3. ALL EXISTING STRUCTURAL ELEMENTS (SLABS, BEAMS, WALLS, COLUMNS, FOUNDATIONS...) SHALL REMAIN INTACT UNLESS SPECIFICALLY NOTED TO BE REMOVED BY THE DEMOLITION DOCUMENTS OR OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS.
4. INFORMATION PROVIDED ON THESE DRAWINGS RELATED TO EXISTING CONDITIONS IS BASED ON AVAILABLE DESIGN DOCUMENTS AND LIMITED FIELD OBSERVATION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY AND AWAIT DIRECTION FROM THE OWNER'S REPRESENTATIVE IF ANY DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS IS DISCOVERED.

DELEGATED DESIGN NOTES:

PROVIDE DOCUMENTS, DOCUMENTATION, AND INFORMATION INDICATED PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE THE WORK IS PERFORMED.

1. TEMPORARY SHORING.
2. STRUCTURAL STEEL CONNECTIONS.
3. PERFORMANCE-BASED DESIGN.
4. ANCHORS AND FASTENERS IN-LIEU OF SPECIFIED FASTENERS.

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

THE FOLLOWING TABLES COMPRISES THE STRUCTURAL SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE. REFER TO THE PROJECT SPECIFICATIONS FOR REQUIRED QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES AND ADDITIONAL TESTING INFORMATION.

MASONRY CONSTRUCTION - REQUIREMENTS FOR LEVEL B SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC	-	1705.4
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ITEMS ARE IN COMPLIANCE: A. PROPORTIONS OF SITE-PREPARED MORTAR. B. CONSTRUCTION OF MORTAR JOINTS. C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES. D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS, AND ANCHORAGES. E. PRESTRESSING TECHNIQUE. F. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY.	PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	-	
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: A. GROUT SPACE B. GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES. C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES. D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS. E. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	TMS 402 SEC. 6.1 TMS 402 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7	
4. VERIFY DURING CONSTRUCTION: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGES OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION. C. WELDING OF REINFORCEMENT. D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). E. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. F. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE G. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS.	PERIODIC PERIODIC CONTINUOUS PERIODIC CONTINUOUS CONTINUOUS PERIODIC	TMS 402 SEC. 1.2.1(E), 6.1.4.3, 6.2.1 TMS 402 SEC., 8.1.6.7.2, 9.3.3.4(C), 11.3.3.4(B)	
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	PERIODIC		

STEEL CONSTRUCTION - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. FABRICATOR'S SHOP TESTING AND QUALITY CONTROL PROGRAM: A. VERIFY FABRICATOR'S CERTIFICATION AND QUALITY CONTROL PROGRAM. B. SPECIAL INSPECTIONS REQUIRED IN FABRICATOR'S SHOP FOR ELEMENTS IDENTIFIED BELOW.	PERIODIC NOT REQUIRED IF FABRICATOR IS AISC CERTIFIED	AISC PLANT CERTIFICATION PROGRAM	1705.2
2. INSPECTION TASKS FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS PRIOR TO BOLTING: A. VERIFY MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS. B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS. C. PROPER FASTENERS SELECTED FOR JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL. E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS. F. PRE-INSTALLATION VERIFICATION AND TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED. G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENERS.	CONTINUOUS PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	AISC 360, TABLE N5.6-1	
3. INSPECTION TASKS FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS DURING BOLTING: A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED. B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION. C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING. D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE POST RIGID POINT TOWARD THE FREE EDGES.	PERIODIC PERIODIC PERIODIC PERIODIC	AISC 360, TABLE N5.6-2	
4. INSPECTION TASK FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS AFTER BOLTING: A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	CONTINUOUS	AISC 360, TABLE N5.6-3	
5. INSPECTION TASKS PRIOR TO WELDING: A. WELDING PROCEDURE SPECIFICATIONS (WPSs) ARE AVAILABLE B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES ARE AVAILABLE C. MATERIAL IDENTIFICATION (TYPE/GRADE) D. WELDER IDENTIFICATION SYSTEM F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): JOINT PREPARATION DIMENSIONS (ALIGNMENT, ROOT OPENING & FACE, LEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION) BACKING TYPE AND FIT (IF APPLICABLE) G. CONFIGURATION AND FINISH OF ACCESS HOLE. H. FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, GAPS AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES) ALIGNMENT (TACK WELD QUALITY AND LOCATION)	CONTINUOUS CONTINUOUS PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	AISC 360, TABLE N5.4-1	
6. INSPECTION TASKS DURING WELDING: A. USE OF QUALIFIED WELDERS B. CONTROL AND HANDLING OF WELDING CONSUMABLES, INCLUDING PACKING AND EXPOSURE C. ENVIRONMENTAL CONDITIONS INCLUDING WIND SPEED WITHIN LIMITS, PRECIPITATION, AND TEMPERATURE D. WPS FOLLOWED: SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS SHIELDING GAS TYPE/FLOW RATE PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) PROPER POSITION (F, V, H, OH) E. WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE LIMITATIONS EACH PASS MEETS QUALITY REQUIREMENTS	PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	AISC 360, TABLE N5.4-2	
7. INSPECTION TASKS AFTER WELDING: A. WELDS CLEANED. B. SIZE, LENGTH, AND LOCATIONS OF WELDS C. WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION WELD/BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE UNDERCUT POROSITY D. ARC STRIKES E. k-AREA F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED) G. REPAIR ACTIVITIES H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERIODIC CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS	AISC 360, TABLE N5.4-3	
8. VERIFY PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENT SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDMENT ITEM AND THE EXTENT OR DEPTH OF THE EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE.	PERIODIC	AISC 360, N5.7	
9. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	PERIODIC	AISC 360, N5.8	
10. INSPECT STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT: A. PLACEMENT AND INSTALLATION OF STEEL DECK. B. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS. C. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS.	PERIODIC	AISC 360, N6	

STRUCTURAL DESIGN CRITERIA

		DESIGN CRITERIA
BUILDING DATA:		
LOCATION		NEWBURGH, NY
BUILDING OCCUPANCY RISK CATEGORY		III
APPLICABLE BUILDING CODE		2020 BUILDING CODE OF NEW YORK STATE (IBC 2018)
RTU WEIGHT	Dlr	4.000 LBS
ROOF LIVE LOADING:		
ROOF	Llr	20 PSF
SNOW LOADING:		
SNOW IMPORTANCE FACTOR	Is	1.1
GROUND SNOW LOAD	Pg	30 PSF
SNOW EXPOSURE FACTOR	Ce	1.0
ROOF THERMAL FACTOR	Ct	1.0
FLAT ROOF SNOW LOAD	Pf	23.1 PSF
DRIFTING SNOW		NOT APPLICABLE
WIND LOADING (MAIN WIND FORCE RESISTING SYSTEM):		
ANALYSIS PROCEDURE		DIRECTIONAL PROCEDURE
ULTIMATE DESIGN WIND SPEED (3- SECOND GUST)	Vult	120 mph
NOMINAL DESIGN WIND SPEED (3-SECOND GUST)	Vasd	93 mph
EXPOSURE CATEGORY		B
ENCLOSURE CLASSIFICATION		ENCLOSED
INTERNAL PRESSURE COEFFICIENT	GCpi	+0.18/-0.18
WIND LOADING (COMPONENTS AND CLADDING):		
ROOF TOP EQUIPMENT COMPONENTS AND CLADDING PRESSURE		60 PSF

STATEMENT OF SPECIAL INSPECTIONS

LOCATION	Newburgh, NY
OWNER	Newburgh Enlarged CSD
DESIGN PROFESSIONAL IN CHARGE	Laura Alexander, PE, SE

This statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the applicable building code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibility for quality assurance.

Interim reports shall be submitted to the Building Official and the RDP, monthly.

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted by the special inspection Coordinator prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the contractor.

In accordance with the applicable building code, the Observations and Inspections listed in the Schedule of Special Inspections are required.

SCHEDULE OF INSPECTION AND TESTING AGENCIES

SPECIAL INSPECTION AGENCIES	*FIRM*	*ADDRESS*	*TELEPHONE No.*
Special Inspection Coordinator	TBD	TBD	(###) ###-####
Inspector	TBD	TBD	(###) ###-####

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent in accordance with the applicable building code, and not by the Contractor or Subcontractor whose work is to be inspected or tested. An approved agency shall be objective, competent and independent from the contractor responsible for the work being inspected. The agency shall also disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.

STATEMENT OF CONTRACTORS RESPONSIBILITY

In accordance with the applicable building code, each contractor responsible for the construction of a main wind or seismic force-resisting system, designated seismic system or a wind or seismic force-resisting component listed in the statement of special inspections above shall submit a written statement of responsibility to the building official and the owner or the owner's authorized agent prior to the commencement of work on the system or component. The contractor's statement of responsibility shall contain acknowledgement of awareness of the special requirements contained in the statement of special inspections.

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided.

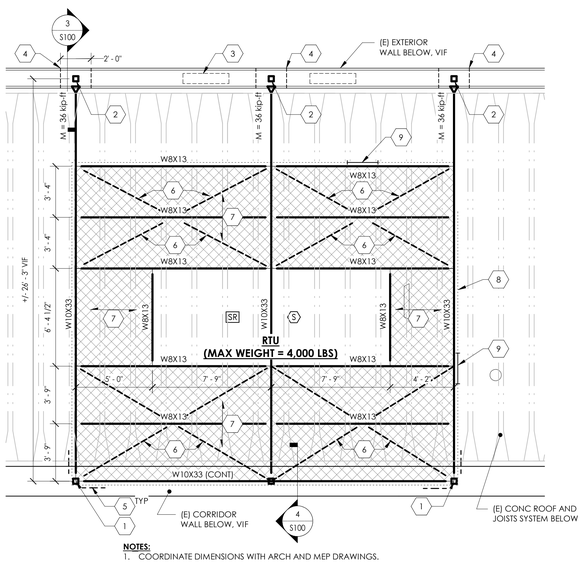
Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test of inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PE/SE	Structural Engineer - a licensed PE specializing in the design of building structures
PE/GE	Geotechnical Engineer - a licensed PE specializing in soil mechanics and foundations
BT	Engineer - In - Training - a graduate engineer who as passed the Fundamentals of Engineering examination
AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION	
ACI-CFTT	Concrete Field Testing Technician - Grade 1
ACI-CCSI	Concrete Construction Special Inspector
ACI-LTT	Laboratory Testing Technician - Grade 1&2
ACI-STT	Strength Testing Technician
AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	
AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)	
NICET-CT	Concrete Technician - Levels I, II, III, & IV
NICET-ST	Soil Technicians - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

STRUCTURAL ABBREVIATION LEGEND

AB	ANCHOR BOLT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AHR	ANCHOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
APPROX	APPROXIMATELY
ARCH	ARCHITECT/ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BD	BOARD
BFE	BASE FLOOD ELEVATION
BLKG	BLOCKING
BM	BEAMS
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
C/C	CENTER TO CENTER
CFMF	COLD FORMED METAL FRAMING
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CNJ	CONSTRUCTION JOINT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT(ED)(ION)
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CTR	CENT(ER)(ERED)(TRAL)
DEG	DEGREE(S)
DEMO	DEMO(LISH)(LITION)
DFE	DESIGN FLOOD ELEVATION
DIA	DIAMETER
DIAG	DIAGONAL
DIF	DIFFEREN(CE)(TIAL)
DIM	DIMENSION
DIV	DIVI(DE)(DED)(DER)(SION)
DL	DEAD LOAD
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
DWL	DOWEL(REBAR)
(E)	EXISTING
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
EMBED	EMBED(DED) (MENT)
ENG	ENGINEER
EOD	EDGE OF DECK
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING
EXP	EXPAN(D)(SION)
EXT	EXTERIOR
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FIN	FINISHED
FNDN	FOUNDATION
FP	FIREPROOF(ING)
FRMG	FRAMING
FRT	FIRE RETARDENT
FS	FAR SIDE
FS	FOOTING STEP
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR/ CONSTRUCTION MANAGER
GWB	GYPSUM WALL BOARD
HD	HEAVY DUTY
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION (STRUCT SHAPE)
HT	HEIGHT
IF	INSIDE FAC



NOTES:
1. COORDINATE DIMENSIONS WITH ARCH AND MEP DRAWINGS.

1 ROOF FRAMING PLAN

0' 1' 2' 4' 8'
1/4" = 1'-0"

ROOF FRAMING PLAN KEYNOTES

1 HSS5X5X5/16 POST DOWN TO AND CENTERED ON (E) MASONRY WALL, VIF
2 HSS5X5X5/16 POST DOWN ON (E) MASONRY WALL, SEE DETAIL FOR ALIGNMENT, VIF
3 (E) WINDOW OPENING BELOW, VIF. LOCATE DUNNAGE FRAME SUCH THAT POSTS DO NOT LAND OVER (E) WINDOW OPENINGS.
4 CUT MINIMUM NECESSARY OPENING IN (E) STONE CAP/MASONRY WALL FOR NEW STEEL. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
5 L3X3X1/4 KICKERS, TYP.
6 L2X2X3/16 DIAPHRAGM BRACE, TYP.
7 19-W-4 STEEL BAR GRATING WITH 1 1/4" X 1/8" BEARING BARS
8 GUARDRAIL, SEE TYPICAL DETAIL
9 PLATFORM ACCESS LADDER, SEE TYPICAL DETAIL
10 (E) 3X10 WOOD JOISTS @ 20" OC. A MAX ADDED WEIGHT OF 75 LBS PER JOIST, NOTIFY EOR IF MORE.
11 (E) 3X8 WOOD JOISTS @ 20" OC. A MAX ADDED WEIGHT OF 50 LBS PER JOIST, NOTIFY EOR IF MORE.
12 (N) STAGE DRAPES, LIGHTS, RIGGING, EQUIPMENT, ETC TO ATTACH ONLY TO (E) STEEL WIDE FLANGE BEAMS.
13 (N) HOUSE LIGHTING FIXTURES TO BE INSTALLED, SEE ARCH AND MEP DRAWINGS. WALL LIGHTING TO BE ATTACHED TO MULTI-WYTHE MASONRY WALLS W/ HILTI HIT-270 AND APPLICABLE SCREEN TUBE.
14 RIGGING FOR LIGHTING, SEE ARCH AND MEP DRAWINGS. CONNECTION LOAD ON (E) WOOD JOISTS NOT TO EXCEED THOSE LISTED ABOVE.
15 NEW OPENING IN EXISTING ROOF FOR DUCTWORK PENETRATION. SEE MEP DRAWINGS FOR SIZE AND LOCATION, AND TYPICAL DETAIL FOR REQUIRED SUPPORT. TYP OF (6)

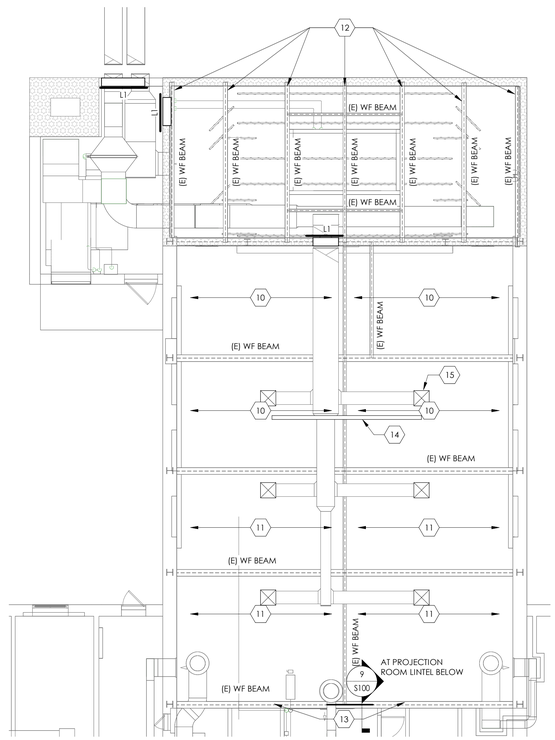
FRAMING PLAN NOTES:

1. SEE SHEET S-001 FOR GENERAL NOTES, DESIGN CRITERIA, AND SCHEDULES.
2. PRIOR TO FABRICATION OF DUNNAGE FRAME, COORDINATE STEEL BEAMS, POSTS, AND GRATING LAYOUT AND DIMENSIONS WITH FINAL SELECTED EQUIPMENT MANUFACTURER, MECHANICAL DUCTS, AND EQUIPMENT.ALL STEEL TO BE HOT-DIPPED GALVANIZED.
3. SEE ARCH AND MEP DRAWINGS FOR REQUIRED THRU-DECK OPENINGS.
4. ALL DIMENSIONS BETWEEN AND RELATING TO EXISTING COLUMN GRIDS TO BE VERIFIED IN FIELD.
5. ALL STEEL SHEAR CONNECTIONS ARE TO BE DESIGNED FOR A MINIMUM LRFD REACTION OF 15KIPS.

FRAMING LEGEND

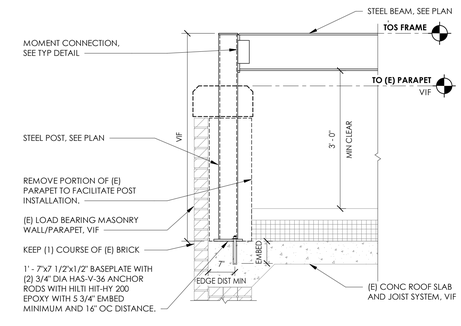
G# - DENOTES STEEL BAR GRATING SPAN DIRECTION

L# - DENOTES MASONRY OR STEEL LINTEL (SEE LINTEL SCHEUDLE)



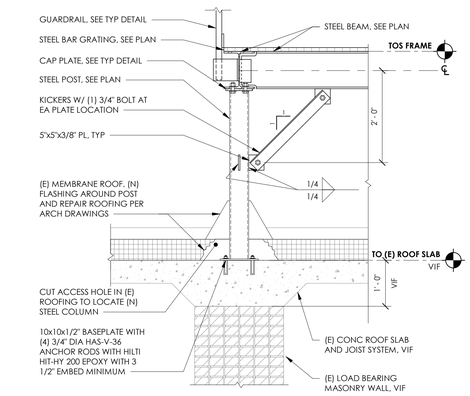
2 AUDITORIUM ROOF FRAMING PLAN

0' 2' 4' 8' 16'
1/8" = 1'-0"



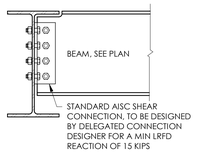
3 FRAMING SECTION @ EXTERIOR PARAPET

N.T.S.



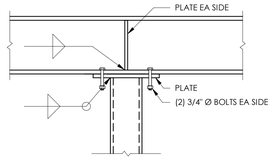
4 FRAMING SECTION @ INTERIOR CORRIDOR WALL

N.T.S.



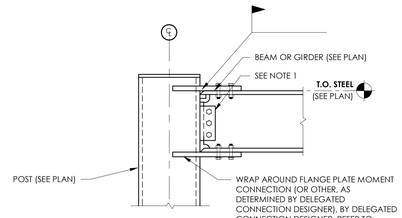
5 BEAM TO GIRDER CONNECTION

N.T.S.



6 TUBE COLUMN CAP PLATE

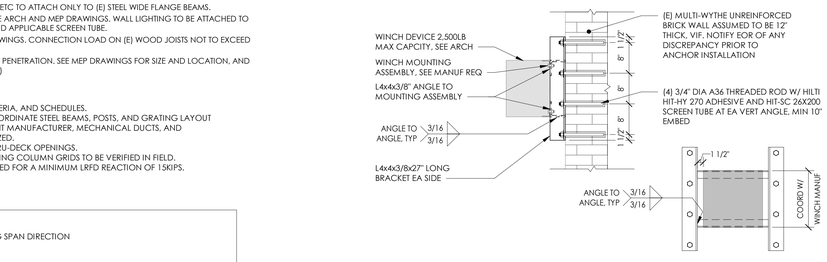
N.T.S.



NOTES:
1. SHEAR CONNECTION AT BEAMS AND GIRDERS SHALL BE DESIGNED FOR REACTIONS INDICATED IN THE PLAN NOTES.
2. ONE-SIDED MOMENT CONNECTION SHOWN; MULTIPLE CONNECTIONS SHALL BE SIMILAR.

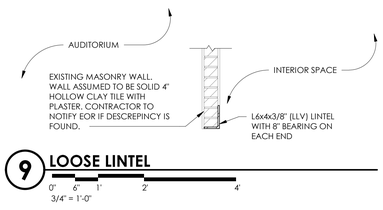
7 TYPICAL MOMENT CONNECTION

N.T.S.



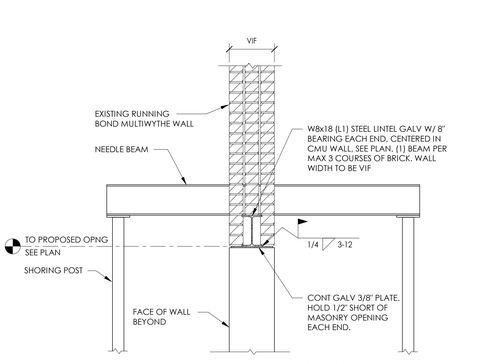
8 WINCH FRAME DETAIL

0" 6" 1' 2' 4'
3/4" = 1'-0"



9 LOOSE LINTEL

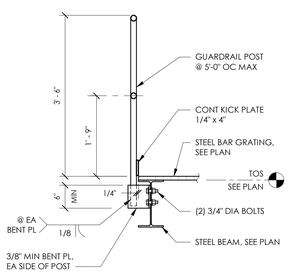
0" 6" 1' 2' 4'
3/4" = 1'-0"



STEEL LINTEL IN EXISTING LOAD-BEARING MASONRY WALL

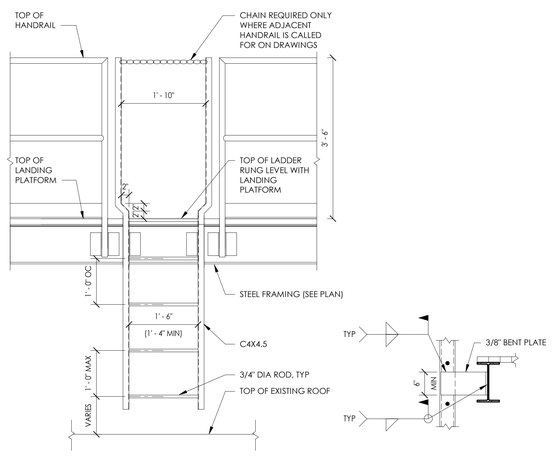
RECOMMENDED LINTEL INSTALLATION PROCEDURE:
(SHORING SHOWN IS SUGGESTIVE AND SHALL BE CONFIRMED/DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. SHORING AND OTHER MEANS/METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR)

1. NEEDLE BEAMS THROUGH WALL ABOVE PROPOSED OPENING AT 4'-0" OC MAX AND SUPPORT WITH SHORING POSTS EACH END. POSTS SHALL BEAR ON A SUITABLE LOAD BEARING SURFACE THAT IS CAPABLE OF TAKING THE TEMPORARY LOAD FROM THE NEEDLE BEAMS.
2. CUT AND REMOVE CMU BELOW NEEDLE BEAMS. TOOTH IN MASONRY TO REPAIR JAMBS.
3. INSTALL LINTEL(S).
4. INSERT WEDGES BETWEEN EXISTING MASONRY AND LINTEL TO PREDEFLECT LINTEL 1/8".
5. DRY PACK GROUT BETWEEN TOP OF LINTEL AND BOTTOM OF EXISTING MASONRY.
6. REBUILD CMU WALL AROUND BEAM LINTEL. SEE ARCH DRAWINGS FOR FLASHING AS NECESSARY.
7. REMOVE NEEDLE BEAMS AND REPAIR MASONRY AT PENETRATIONS.



12 TYPICAL GUARDRAIL DETAIL

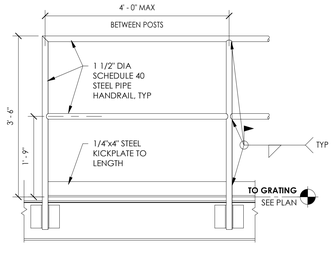
N.T.S.



LADDER NOTES:
1. OBSTRUCTION ON THE CLIMBING SIDE OF THE LADDER SHALL BE A MINIMUM OF 2'-6" FROM THE CENTERLINE OF THE RUNGS.
2. A MINIMUM OF 1'-3" CLEARANCE SHALL BE PROVIDED EACH WAY FROM THE CENTERLINE OF THE LADDER IN THE CLIMBING SPACE EXCEPT WHEN CAGES OR WELLS ARE NECESSARY.

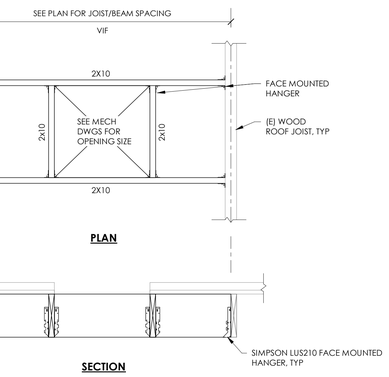
11 TYPICAL LADDER DETAIL

N.T.S.



13 TYPICAL GUARDRAIL DETAIL

N.T.S.



SECTION

NOTE:
1. COORDINATE OPENING SIZE AND LOCATIONS WITH MECHANICAL DRAWINGS.
2. INSTALL OPENING FRAME TIGHT UNDER EXISTING ROOF DECK.
3. CUT OPENING IN EXISTING ROOF.

10 OPENING IN EXISTING ROOF

N.T.S.

14 LINTEL FOR PROPOSED OPENING IN EXISTING LOADING BEARING MASONRY WALL

N.T.S.

19 Front St. - Newburgh - New York 12550-7601
845 - 561 - 3179 www.csarchpc.com

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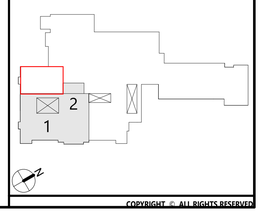
Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK
ERIKA C. ALEXANDER
LICENSED PROFESSIONAL ENGINEER
Expiration Date: 10/31/2028
Certificate of Authorization: 021475

#	DATE	DESCRIPTION

Drawn By:	JGW
Checked By:	LCA
Proj. #:	44-16-00-01-0-002-018
CSArch Proj. #:	108-2504
Issued for Bid:	8/24/2026

KEY PLAN



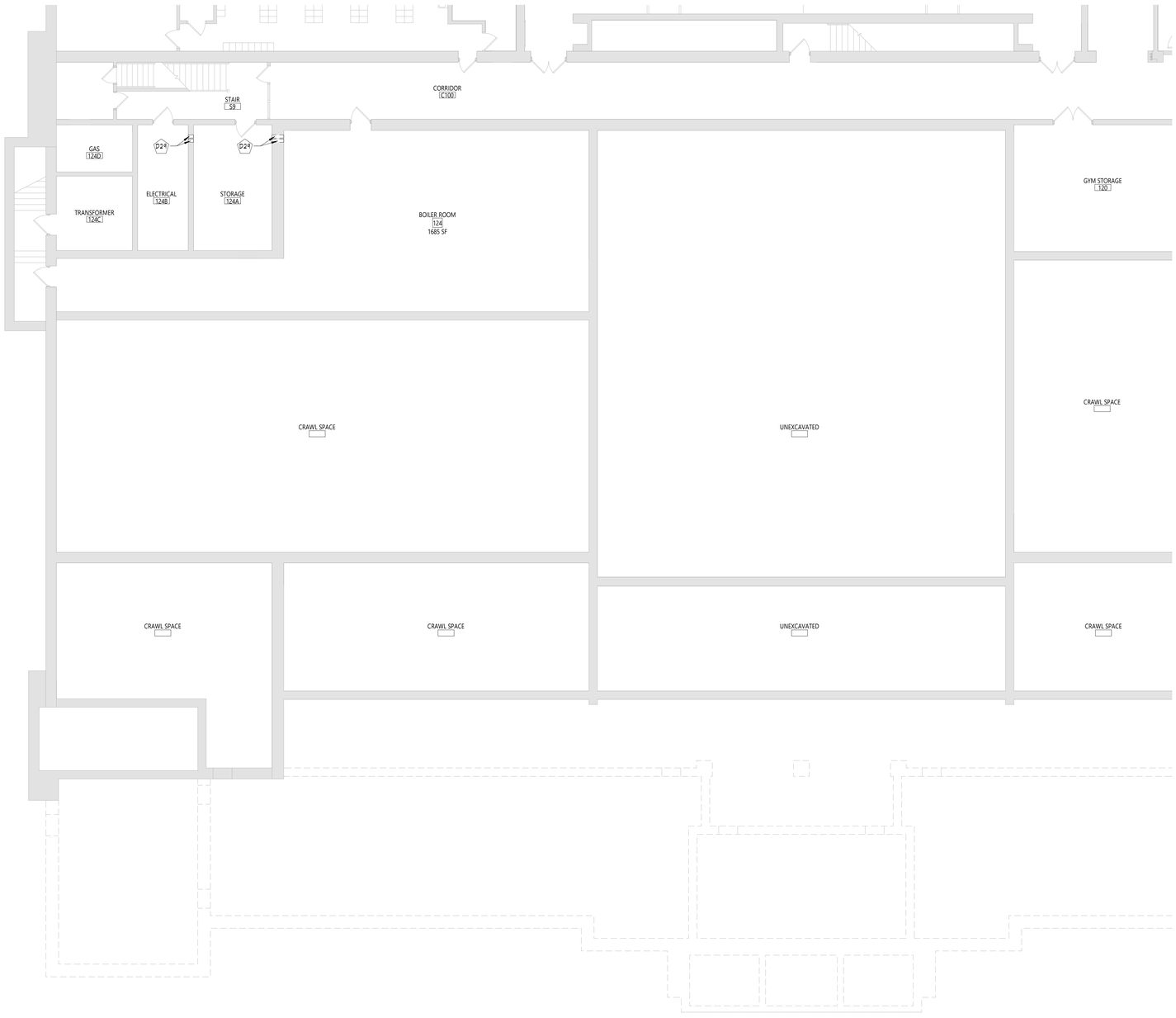
Sheet Title
ROOF FRAMING PLAN & DETAILS

Sheet No.
NFA S100

CONSTRUCTION DOCUMENTS

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Autodesk Docs://108-2504 NECSD NFA North Audi Reno/NFA North Audi Reno - STR - RVT24.rvt



1 DEMOLITION - PARTIAL FIRST FLOOR - BOILER ROOM
AD111 1/8" = 1'-0"

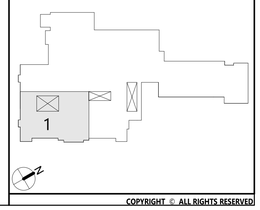
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5. PROTECT ALL COMPONENTS TO REMAIN INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, CASEWORK, MILLWORK, EQUIPMENT, FINISHES, FURNISHINGS, FLOOR DRAINS, FLOOR ELECTRICAL BOXES/DEVICES, AND STRUCTURAL FROM DAMAGE DURING REMOVALS. CONTRACTOR SHALL REPLACE ANY ITEMS OR CONSTRUCTION DAMAGED DURING REMOVALS TO A FINISH AND MATERIAL QUALITY NOT LESS THAN EXISTING ADJACENT REMAINING WORK.
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12. ALL MATERIAL SHOWN TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF-SITE IN A TIMELY MANNER. CONTRACTOR SHALL NOT STOCKPILE REMOVED MATERIAL ON SITE.

KEYNOTES

#	DESCRIPTION
D24	CORE DRILL THROUGH EXISTING INTERIOR WALL ASSEMBLY TO ACCOMMODATE NEW ELECTRICAL WORK. COORDINATE SIZE AND QUANTITY WITH ELECTRICAL DRAWINGS. COORDINATE WITH ABATEMENT DRAWINGS.

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PROCTOR
019884
STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

Drawn By:	KS
Checked By:	VA
Proj. #:	44-16-00-01-0-002-016
CSArch Proj. #:	108-25SM
Issued for Bid:	10/13/2025

Sheet Title

DEMOLITION - PARTIAL FIRST FLOOR PLAN BOILER ROOM

Sheet No.

NFA
AD111

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-25SM NECSD NFA North Audi Reno/108-25SM NFA NORTH AUDI RENO.rvt



1 DEMOLITION - PARTIAL SECOND FLOOR - LIBRARY
AD121 1/8" = 1'-0"

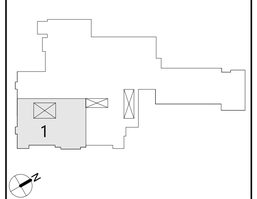
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KEY PLAN



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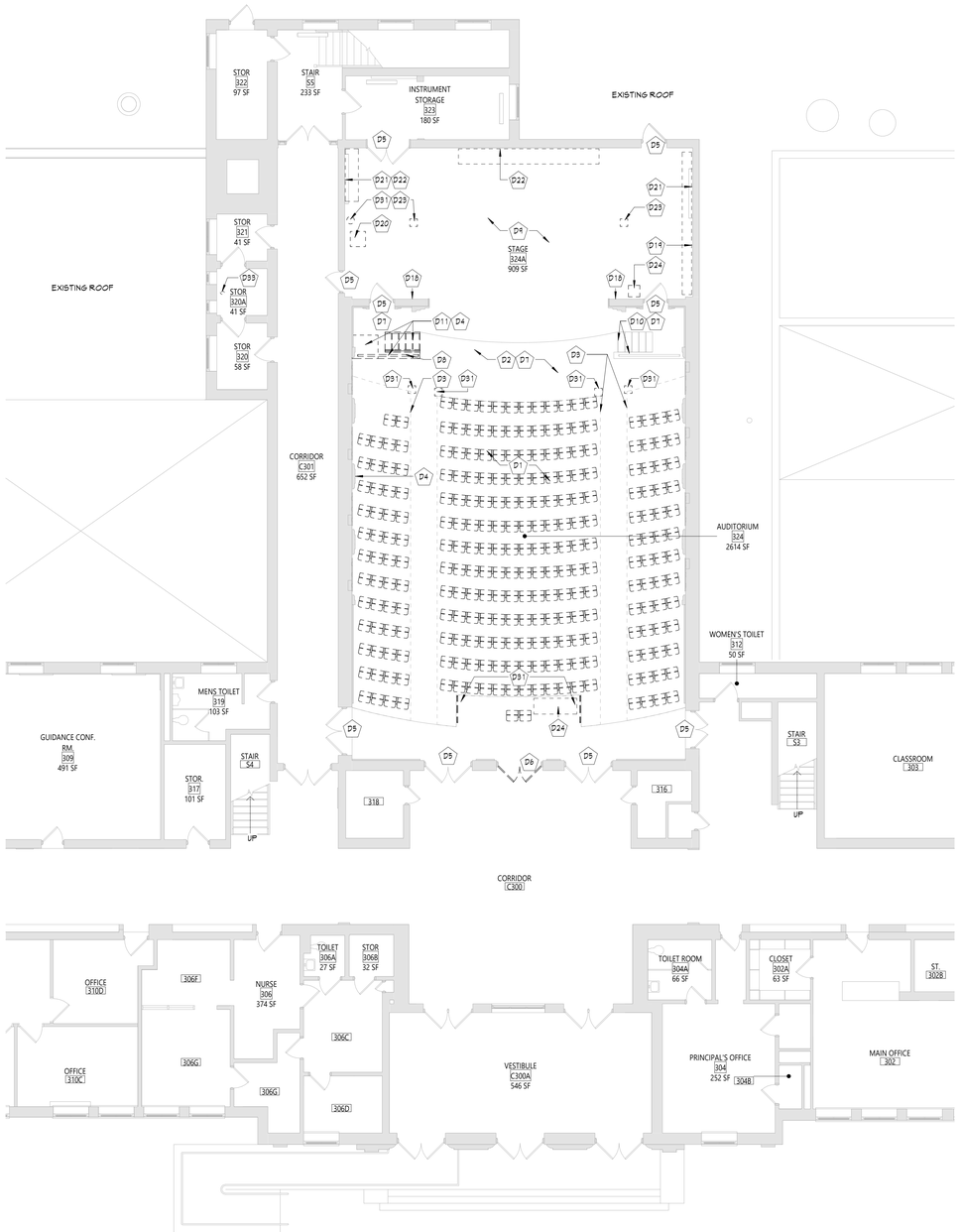
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Sheet Title
DEMOLITION - PARTIAL SECOND FLOOR PLAN LIBRARY

Sheet No.
NFA AD121

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 DEMOLITION - PARTIAL THIRD FLOOR - AUDITORIUM
AD131 1/8" = 1'-0"

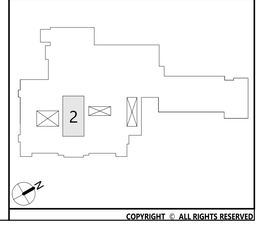
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12. ALL MATERIAL SHOWN TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF-SITE IN A TIMELY MANNER. CONTRACTOR SHALL NOT STOCKPILE REMOVED MATERIAL ON SITE.

KEYNOTES

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D1	REMOVE EXISTING FIXED SEATING, INCLUDING ALL ASSOCIATED SUPPORTS, FASTENERS AND ACCESSORIES. GRIND DOWN CHAIR BOLTS TO BELOW TOP OF SLAB. REMOVE EXISTING PAINT FINISH FROM CONCRETE. COORDINATE WITH NEW WORK DRAWINGS.
D2	REMOVE EXISTING CARPET, MASTIC, AND ALL ASSOCIATED TRANSITION STRIPS TO TOP OF EXISTING SLAB. COORDINATE WITH NEW WORK DRAWINGS.
D3	REMOVE EXISTING AISLE LIGHT STRIP. COORDINATE WITH ELECTRICAL DRAWINGS.
D4	EXISTING STONE WALL BASE TO REMAIN. PROTECT DURING REMOVALS AND NEW CONSTRUCTION. AT STAGE STAIR KNEE WALL REMOVAL, SALVAGE EXISTING STONE WALL BASE FOR REUSE/REINSTALL AT NEW WORK.
D5	EXISTING DOOR, AND DOOR FRAME TO REMAIN. PROTECT DURING REMOVALS AND NEW CONSTRUCTION.
D6	EXISTING DOOR FRAME TO REMAIN. REMOVE EXISTING DOOR. SALVAGE EXISTING DOOR HINGES FOR REUSE/REINSTALLATION.
D7	REMOVE AND SALVAGE EXISTING WALL GRILLES. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
D8	REMOVE AND SALVAGE EXISTING GUARDRAIL.
D9	EXISTING STAGE FLOORING TO REMAIN. PROTECT DURING REMOVALS.
D10	EXISTING STAGE STAIR, ASSOCIATED LOW WALL AND GUARDRAIL TO REMAIN, PROTECT DURING REMOVALS AND NEW WORK.
D11	REMOVE EXISTING STAGE WOOD STAIR ASSEMBLY, AND ASSOCIATED KNEE WALL AT KNEE WALL REMOVAL. SALVAGE EXISTING STONE WALL BASE. PARTIALY REMOVE AND SALVAGE EXISTING LANDING/STAGE AND TRIM/MOLDING AS NECESSARY TO FACILITATE INSTALLATION OF NEW ADA LIFT AND STAGE STAIR. COORDINATE WITH NEW WORK AND ELECTRICAL DRAWINGS.
D18	REMOVE EXISTING WALL MOUNTED RIGGING, ASSOCIATED ROPES AND COUNTER WEIGHTS AT ABANDONED FIRE CURTAIN. PROTECT BRICK WALL AND STAGE FLOOR DURING REMOVALS.
D19	REMOVE EXISTING FLOOR AND WALL MOUNTED PIN RAIL IN ITS ENTIRETY. PROTECT BRICK WALL AND STAGE FLOOR DURING REMOVALS. COORDINATE WITH HAZ MAT DRAWINGS.
D20	REFER TO ELECTRICAL DRAWINGS FOR REMOVALS.
D21	EXISTING RADIATOR TO REMAIN. PROTECT DURING REMOVALS AND NEW WORK.
D22	REMOVE EXISTING WALL MOUNTED WOOD SHELVES. PROTECT EXISTING BRICK WALL DURING REMOVALS.
D23	EXISTING FLOOR MOUNTED ELECTRICAL DEVICES TO REMAIN. PROTECT DURING REMOVALS AND NEW CONSTRUCTION. COORDINATE WITH ELECTRICAL AND THEATRICAL DESIGN DRAWINGS.
D24	AUDIO VISUAL EQUIPMENT REMOVALS. COORDINATE WITH ELECTRICAL AND THEATRICAL DESIGN DRAWINGS.
D31	COORDINATE CONCRETE SLAB AND ALL FLOOR PENETRATIONS FROM CEILINGS BELOW WITH ELECTRICAL DRAWINGS.
D33	COORDINATE CONCRETE SLAB AND ALL FLOORS PENETRATIONS FROM CEILINGS BELOW WITH MEP DRAWINGS.

KEY PLAN



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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PRESTON
019884
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

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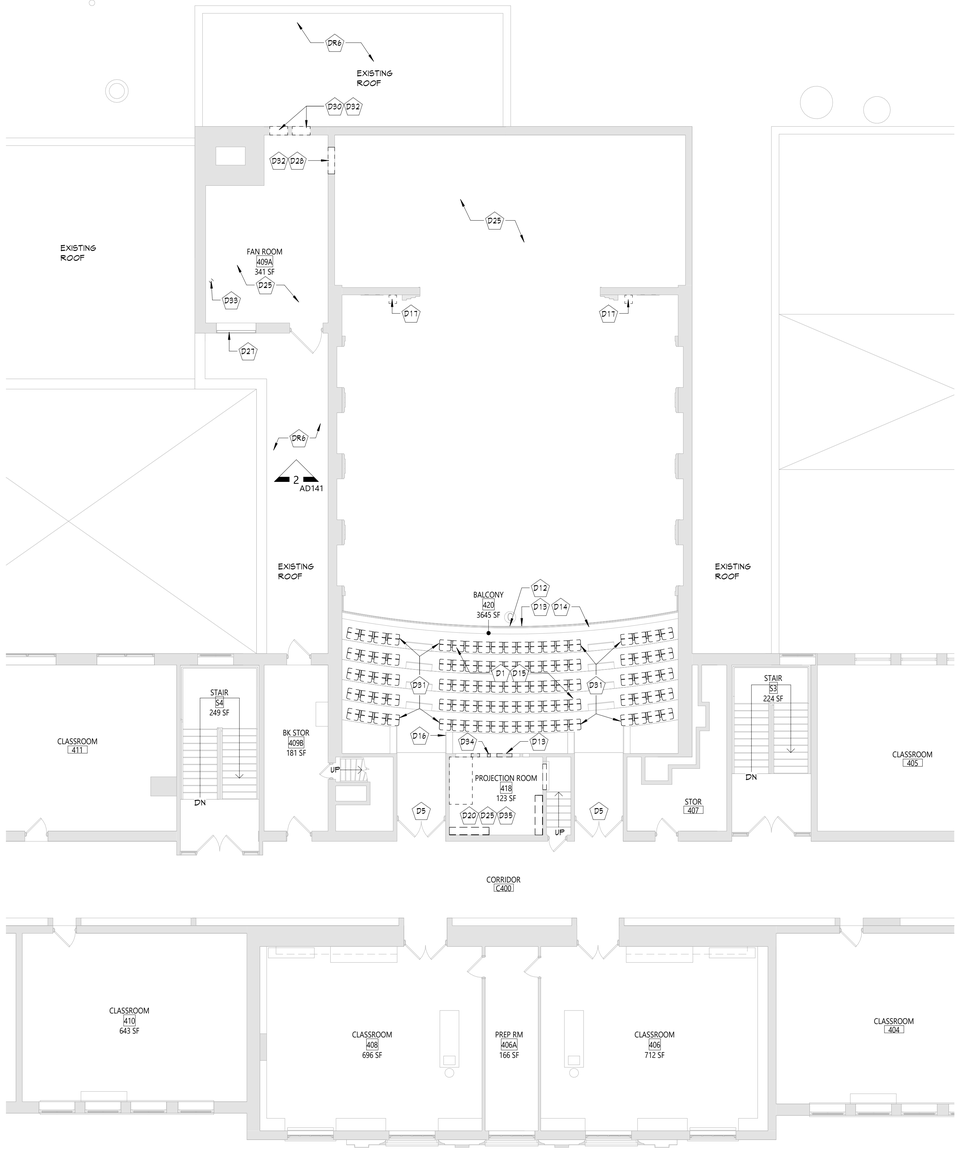
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Sheet Title
DEMOLITION - PARTIAL THIRD FLOOR PLAN AUDITORIUM

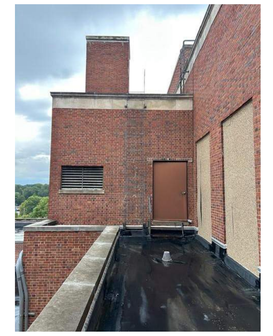
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NFA AD131

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 DEMOLITION - PARTIAL FOURTH FLOOR - BALCONY
AD141 1/8" = 1'-0"



2 ROOF VIEW 1
AD141 12" = 1'-0"

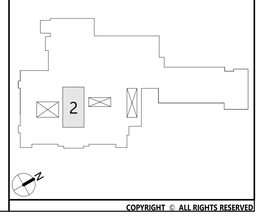
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D5	EXISTING DOOR, AND DOOR FRAME TO REMAIN. PROTECT DURING REMOVALS AND NEW CONSTRUCTION.
D12	REMOVE EXISTING SURFACE MOUNTED ACOUSTICAL PANELS, TYPICAL FOR 8.
D13	REMOVE AND SALVAGE EXISTING WALL MOUNTED CLOCK.
D14	EXISTING GUARDRAIL AND ASSOCIATED WOOD CAP AT BALCONY LOW WALL TO REMAIN. PROTECT DURING REMOVALS AND NEW WORK.
D15	REMOVE EXISTING VCT FLOOR, MASTIC, TRANSITION STRIPS, WALL BASE, RUBBER STAIR THREADS AND RISERS TO TOP OF EXISTING SLAB. COORDINATE WITH NEW WORK DRAWINGS.
D16	REFER TO ELECTRICAL DRAWINGS FOR REMOVAL OF ABANDONED AISLE LIGHTS AT BALCONY STEP RISERS.
D17	COORDINATE REMOVALS OF EXISTING WALL MOUNTED THEATRICAL SOUND EQUIPMENT, ASSOCIATED WIRING, SUPPORTS AND ACCESSORIES WITH ELECTRICAL AND THEATRICAL DESIGN DRAWINGS
D20	REFER TO ELECTRICAL DRAWINGS FOR REMOVALS.
D25	REFER TO MEP DRAWINGS FOR REMOVALS.
D27	EXISTING LOUVER TO REMAIN.
D28	PARTIALLY REMOVE EXISTING INTERIOR MASONRY WALL ASSEMBLY TO ACCOMMODATE NEW MECHANICAL WORK. COORDINATE WITH ABATEMENT, ELECTRICAL AND MECHANICAL DRAWINGS.
D30	PARTIALLY REMOVE EXISTING EXTERIOR MASONRY WALL ASSEMBLY TO ACCOMMODATE NEW MECHANICAL WORK. COORDINATE SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
D31	COORDINATE CONCRETE SLAB AND ALL FLOOR PENETRATIONS FROM CEILINGS BELOW WITH ELECTRICAL DRAWINGS.
D32	PARTIALLY REMOVE EXISTING MASONRY WALL ASSEMBLY FOR NEW STRUCTURAL SUPPORT AND FOR TEMPORARY SHORING DURING CONSTRUCTION AS REQUIRED.
D33	COORDINATE CONCRETE SLAB AND ALL FLOORS PENETRATIONS FROM CEILINGS BELOW WITH MEP DRAWINGS.
D34	PARTIALLY REMOVE EXISTING WALL TO ACCOMMODATE NEW SLIDING TRANSACTION WINDOW. COORDINATE WITH ABATEMENT, STRUCTURAL AND NEW WORK DRAWINGS.
D35	PROJECTION ROOM REMOVALS TO INCLUDE BASE CABINET, WALL MOUNTED SHELVING, AND SLIDING PANELS/FAMES ASSOCIATED WITH PROJECTION ROOM EXISTING WALL OPENINGS.
DR6	PROTECT ALL EXISTING ROOF ASSEMBLY AND ROOF TOP EQUIPMENT, LADDERS, ROOF DRAINS AND VENTS, SCUPPERS AND DOWNSPOUTS TO REMAIN THROUGHOUT DURATION OF WORK.

KEY PLAN



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Sheet Title
DEMOLITION - PARTIAL FOURTH FLOOR PLAN BALCONY

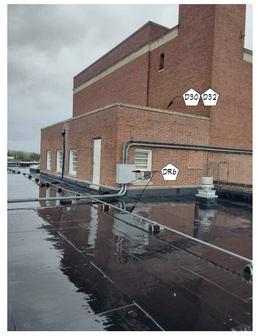
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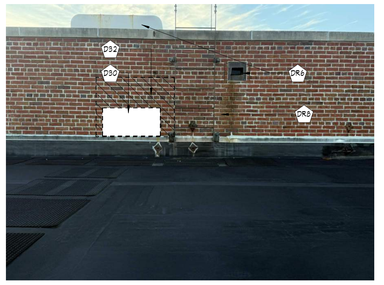
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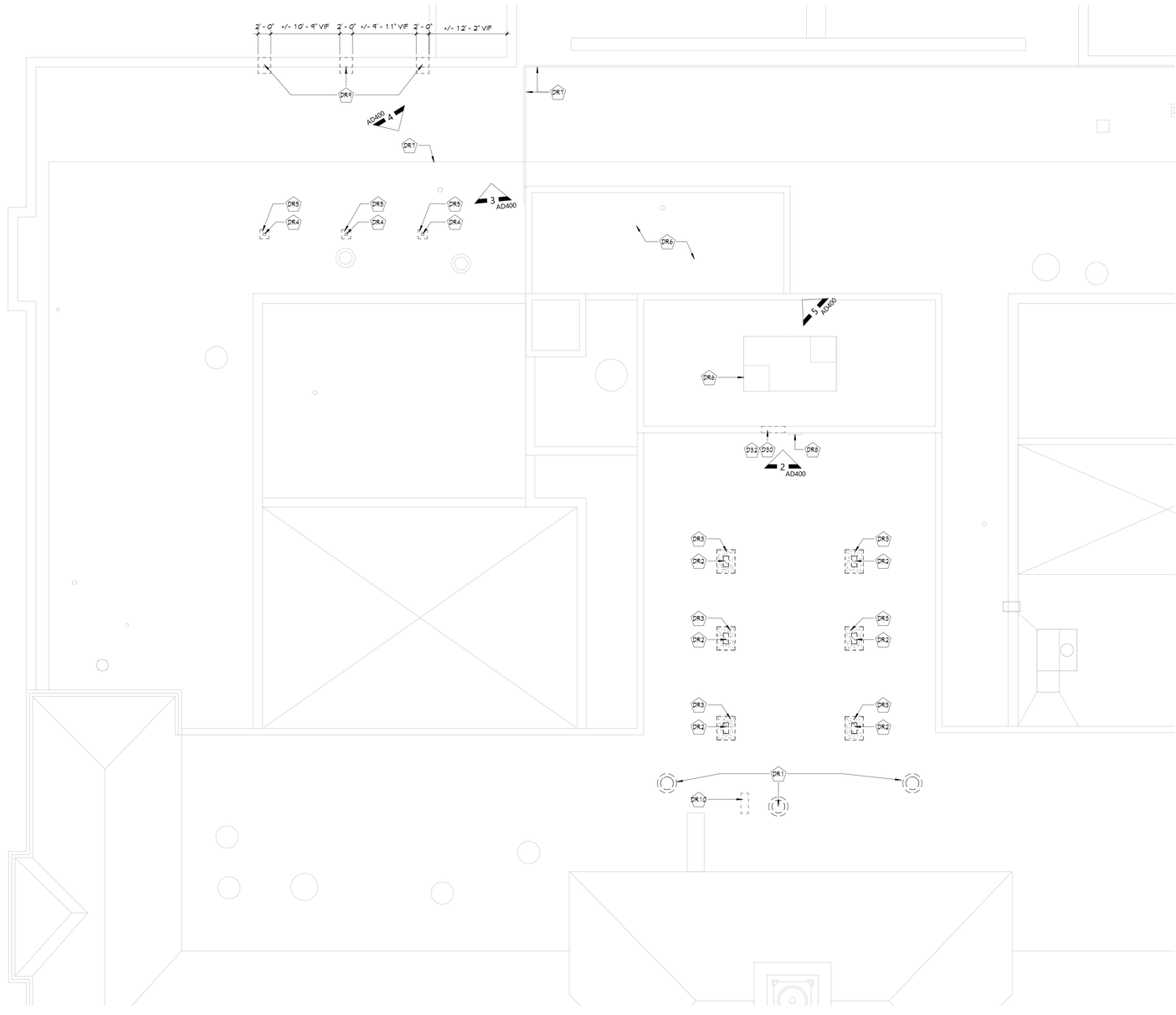
4 ROOF VIEW 4
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3 ROOF VIEW 3
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2 ROOF VIEW 2
AD400 12" = 1'-0"



1 DEMOLITION - PARTIAL ROOF PLAN
AD400 1/8" = 1'-0"

ROOF DEMO GENERAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION. REFER TO HAZARDOUS MATERIAL, STRUCTURAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.

2. EXISTING CURBS, VENTS, DRAINS AND OTHER ROOF PENETRATIONS TO REMAIN ARE APPROXIMATE SIZES AND LOCATIONS. FIELD VERIFY ALL LOCATIONS AND COORDINATE AS REQUIRED.

3. ALL EXISTING ROOF DRAINS TO REMAIN, U.O.N.

4. ALL EXISTING ROOF AREAS SHALL BE PROTECTED DURING REMOVALS AND NEW WORK.

5. WHERE INDICATED, REMOVE EXISTING ROOF MATERAL AND INSULATION DOWN TO EXISTING ROOF DECK.

ROOF DEMO LEGEND

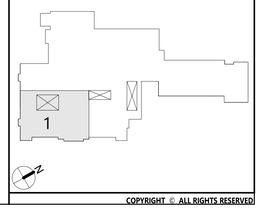
PORTION OF EXISTING ROOF ASSEMBLY (INCLUDING ROOF DECK) TO BE REMOVED

PORTION OF EXISTING ROOF MEMBRANE AND INSULATION (ROOF DECK TO REMAIN) TO BE

KEYNOTES

#	DESCRIPTION
D30	PARTIALLY REMOVE EXISTING EXTERIOR MASONRY WALL ASSEMBLY TO ACCOMMODATE NEW MECHANICAL WORK. COORDINATE SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
D32	PARTIALLY REMOVE EXISTING MASONRY WALL ASSEMBLY FOR NEW STRUCTURAL SUPPORT AND FOR TEMPORARY SHORING DURING CONSTRUCTION AS REQUIRED.
DR1	REFER TO MEP DRAWINGS FOR REMOVALS/REPLACEMENT OF EXISTING MECHANICAL EQUIPMENT. PROTECT EXISTING EQUIPMENT CURB DURING REMOVALS.
DR2	PARTIALLY REMOVE EXISTING ROOF ASSEMBLY AND ROOF DECK TO PROVIDE OPENING FOR NEW MECHANICAL EQUIPMENT. COORDINATE LOCATION WITH EXISTING FIELD CONDITIONS. REFER TO ABATMENT AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
DR3	AT ROOF OPENINGS FOR NEW MEP EQUIPMENT, REMOVE 12" MINIMUM OF EXISTING ROOF ASSEMBLY AROUND PERIMETER OF NEW MECHANICAL EQUIPMENT.
DR4	PARTIALLY REMOVE EXISTING ROOF ASSEMBLY TO ACCOMMODATE STRUCTURAL WORK. COORDINATE WITH STRUCTURAL AND MEP DRAWINGS.
DR5	AT ROOF OPENING FOR NEW STRUCTURAL WORK, REMOVE 6' MINIMUM OF EXISTING ROOF ASSEMBLY AROUND PERIMETER OF NEW STRUCTURE. COORDINATE WITH STRUCTURAL AND MEP DRAWINGS.
DR6	PROTECT ALL EXISTING ROOF ASSEMBLY AND ROOF TOP EQUIPMENT, LADDERS, ROOF DRAINS AND VENTS, SCUPPERS AND DOWNSPOUTS TO REMAIN THROUGHOUT DURATION OF WORK.
DR7	EXISTING CONDUIT ASSOCIATED WITH SOLAR PANELS AND EXISTING MECHANICAL EQUIPMENT TO REMAIN. PROTECT DURING REMOVALS AND NEW WORK.
DR8	REMOVE AND SALVAGE EXISTING ROOF LADDER FOR REUSE/REINSTALL.
DR9	PARTIALLY REMOVE AND SALVAGE EXISTING PARAPET COPING STONE TO ACCOMMODATE NEW STEEL DUNNAGE. COORDINATE WITH STRUCTURAL AND MECHANICAL DRAWINGS. PARTIALLY REMOVE ROOF ASSEMBLY INFRONT OF PARAPET AS NEEDED FOR NEW DUNNAGE.
DR10	PARTIALLY REMOVE ROOF ASSEMBLY TO ACCOMMODATE NEW ROOD EQUIPMENT RAIL. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PECKHAM
019888
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
2	Date 2	SED ADDENDUM 2

Drawn By:	KS
Checked By:	VA
Proj. #:	44-16-00-01-0-002-016
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Issued for Bid:	10/13/2026

Sheet Title

DEMOLITION - PARTIAL ROOF PLAN

Sheet No.

NFA
AD400

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 DEMO REFLECTED CEILING PLAN FIRST FLOOR - LIBARY
AD821 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND IS RESPONSIBLE FOR PERFORMING WORK INDICATED ON THE DOCUMENTS EVEN IF ACTUAL CONDITIONS DIFFER FROM CONDITIONS SHOWN ON DRAWINGS.
2. ALL REMOVALS SHALL BE COORDINATED IN SUCH A WAY AS NOT TO DISRUPT THE ONGOING OPERATIONS OF EXISTING FACILITIES. IF CIRCUMSTANCES REQUIRE ANY DISRUPTION OF EXISTING SERVICES, NOTIFICATION SHALL BE GIVEN TO THE OWNER.
3. COORDINATE ALL REMOVALS WITH WORK TO REMAIN AND NEW WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION. CONTRACTOR TO COORDINATE REMOVALS WITH ALL OTHER TRADES.
4. CONTRACTOR SHALL PROVIDE TEMPORARY ENCLOSURES AROUND AREAS OF DEMOLITION AND NEW CONSTRUCTION TO PROTECT ADJACENTS SPACES AS REQUIRED.
5. PROTECT ALL COMPONENTS TO REMAIN INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, CASEWORK, MILLWORK, EQUIPMENT, FINISHES, FURNISHINGS, FLOOR DRAINS, FLOOR ELECTRICAL BOXES/DEVICES, AND STRUCTURAL FROM DAMAGE DURING REMOVALS. CONTRACTOR SHALL REPLACE ANY ITEMS OR CONSTRUCTION DAMAGED DURING REMOVALS TO A FINISH AND MATERIAL QUALITY NOT LESS THAN EXISTING ADJACENT REMAINING WORK.
6. COORDINATE LOCATION AND SIZE OF WALL REMOVALS NECESSARY FOR NEW CONSTRUCTION. REMOVE THE SMALLEST AMOUNT OF MATERIAL REQUIRED FOR THE INSTALLATION OF NEW WORK.
7. REFER TO KEYED DEMOLITION NOTES FOR SPECIFIC REMOVALS. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
8. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO.
9. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
10. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
11. WHERE "SYSTEMS" ARE SCHEDULED FOR REMOVAL, REMOVE ALL COMPONENTS THAT ARE PART OF THE SYSTEM INCLUDING BUT NOT LIMITED TO: FASTENERS, UNISTRUTS, WIRES, GROUNDS, ADHESIVE, BLOCKING, AND SEALANTS. WHERE REMOVALS LEAVE HOLES, ABRASIONS, DIMPLES, OR OTHER UNFINISHED CONDITION ON A SURFACE, PATCH THE SURFACE TO MATCH THE EXISTING CONSTRUCTION SMOOTH WITHOUT IMPERFECTION AND PREPARE FOR SCHEDULED FINISH.
12. ALL MATERIAL SHOWN TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF-SITE IN A TIMELY MANNER. CONTRACTOR SHALL NOT STOCKPILE REMOVED MATERIAL ON SITE.

CEILING DEMOLITION LEGEND

- EXISTING GWB/PLASTER CEILING TO REMAIN
- EXISTING GWB/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING TO REMAIN
- EXISTING SPLINE AND PLASTER CEILING SYSTEM TO BE REMOVED

- 2'x4' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- 2'x2' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- 1'x4' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- RECESSED DOWN LIGHT, REINSTALL SALVAGED

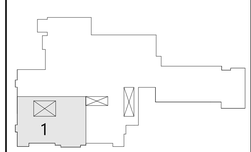
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

#	DESCRIPTION
DG12	CORE DRILL/PARTAILLY REMOVE EXISTING PARTITION TO ACCOMMODATE NEW ELECTRICAL WORK. COORDINATE WITH ELECTRICAL DRAWINGS. VERIFY LOCATION IN FIELD TO ENSURE CODUIT RUNS ABOVE ANY EXISTING SUSPENDED ACOUSTICAL CEILINGS.
DG13	CORE DRILL AS NECESSARY TO ACCOMMODATE AISLE LIGHTING AT BALCONY STEPS ABOVE. COORDINATE LOCATION WITH EXISTING FIELD CONDITIONS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMANTION.
DG14	PARTIALLY REMOVE AND SALVAGE EXISTING ACOUSTICAL TILE CEILING AS NECESSARY FOR NEW ELECTRICAL WORK. COORDINATE WITH ELECTRICAL DRAWINGS.
DG15	TEMPORARILY SUPPORT EXISTING LIGHT FIXTURES AND CEILING MOUNTED DEVICES AS NECESSARY FOR NEW ELECTRICAL WORK. COORDINATE WITH ELECTRICAL DRAWINGS.

KEY PLAN



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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. FRISINA 019884 STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

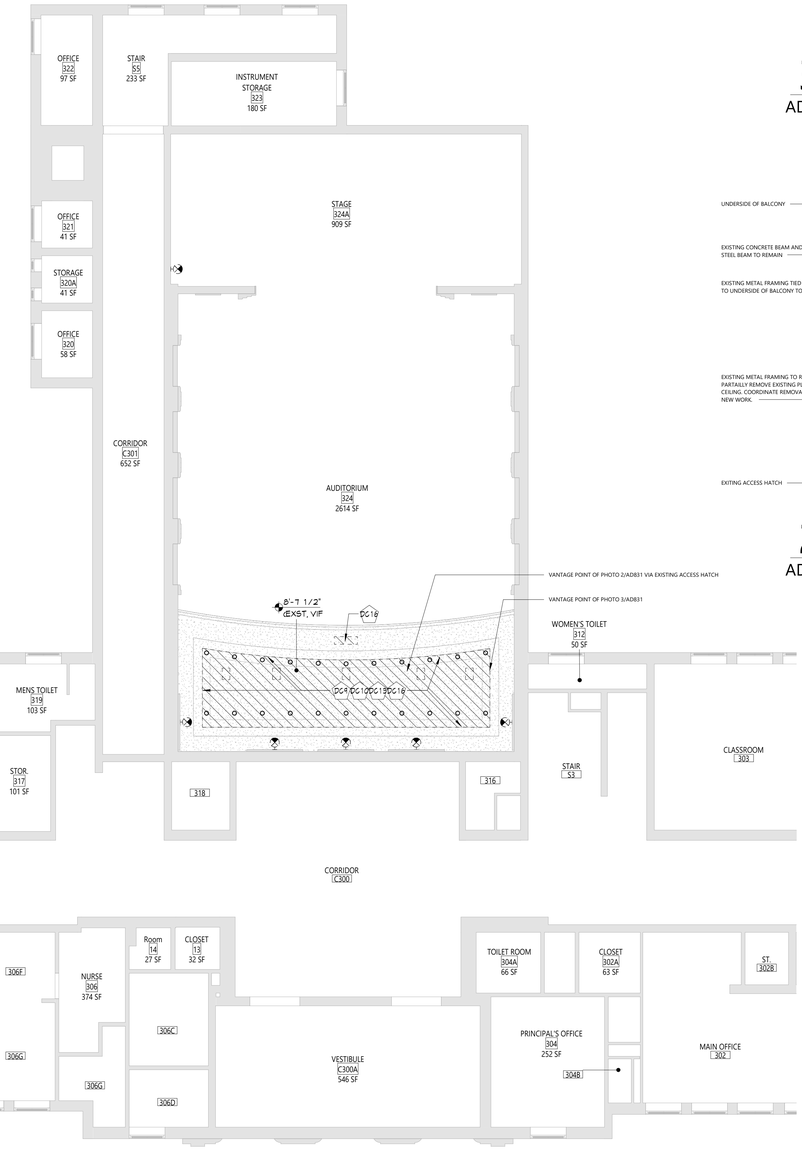
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Issued for Bid:	10/13/2026

Sheet Title
DEMOLITION - REFLECTED CEILING PLAN SECOND FLOOR

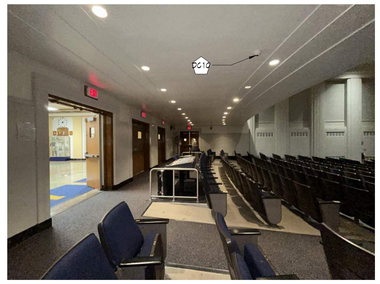
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NFA AD821

CONSTRUCTION DOCUMENTS

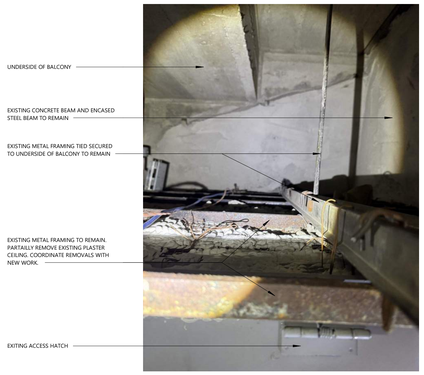
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1 DEMO REFLECTED CEILING PLAN THIRD FLOOR - AUDITORIUM
AD831 1/8" = 1'-0"



3 UNDERSIDE OF BALCONY VIEW 1
AD831 12" = 1'-0"



2 UNDERSIDE OF BALCONY VIEW 2
AD831 12" = 1'-0"

DEMOLITION GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND IS RESPONSIBLE FOR PERFORMING WORK INDICATED ON THE DOCUMENTS EVEN IF ACTUAL CONDITIONS DIFFER FROM CONDITIONS SHOWN ON DRAWINGS.
2. ALL REMOVALS SHALL BE COORDINATED IN SUCH A WAY AS NOT TO DISRUPT THE ONGOING OPERATIONS OF EXISTING FACILITIES. IF CIRCUMSTANCES REQUIRE ANY DISRUPTION OF EXISTING SERVICES, NOTIFICATION SHALL BE GIVEN TO THE OWNER.
3. COORDINATE ALL REMOVALS WITH WORK TO REMAIN AND NEW WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION. CONTRACTOR TO COORDINATE REMOVALS WITH ALL OTHER TRADES.
4. CONTRACTOR SHALL PROVIDE TEMPORARY ENCLOSURES AROUND AREAS OF DEMOLITION AND NEW CONSTRUCTION TO PROTECT ADJACENTS SPACES AS REQUIRED.
5. PROTECT ALL COMPONENTS TO REMAIN INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, CASEWORK, MILLWORK, EQUIPMENT, FINISHES, FURNISHINGS, FLOOR DRAINS, FLOOR ELECTRICAL BOXES/DEVICES, AND STRUCTURAL FROM DAMAGE DURING REMOVALS. CONTRACTOR SHALL REPLACE ANY ITEMS OR CONSTRUCTION DAMAGED DURING REMOVALS TO A FINISH AND MATERIAL QUALITY NOT LESS THAN EXISTING ADJACENT REMAINING WORK.
6. COORDINATE LOCATION AND SIZE OF WALL REMOVALS NECESSARY FOR NEW CONSTRUCTION. REMOVE THE SMALLEST AMOUNT OF MATERIAL REQUIRED FOR THE INSTALLATION OF NEW WORK.
7. REFER TO KEYED DEMOLITION NOTES FOR SPECIFIC REMOVALS. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
8. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO.
9. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
10. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
11. WHERE "SYSTEMS" ARE SCHEDULED FOR REMOVAL, REMOVE ALL COMPONENTS THAT ARE PART OF THE SYSTEM INCLUDING BUT NOT LIMITED TO: FASTENERS, UNISTRUTS, WIRES, GROUNDS, ADHESIVE, BLOCKING, AND SEALANTS. WHERE REMOVALS LEAVE HOLES, ABRASIONS, DIMPLES, OR OTHER UNFINISHED CONDITION ON A SURFACE, PATCH THE SURFACE TO MATCH THE EXISTING CONSTRUCTION SMOOTH WITHOUT IMPERFECTION AND PREPARE FOR SCHEDULED FINISH.
12. ALL MATERIAL SHOWN TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF-SITE IN A TIMELY MANNER. CONTRACTOR SHALL NOT STOCKPILE REMOVED MATERIAL ON SITE.

CEILING DEMOLITION LEGEND

- EXISTING GWB/PLASTER CEILING TO REMAIN
- EXISTING GWB/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING TO REMAIN
- EXISTING SPLINE AND PLASTER CEILING SYSTEM TO BE REMOVED

- 2'x4' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- 2'x2' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- 1'x4' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- RECESSED DOWN LIGHT, REINSTALL SALVAGED

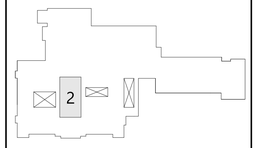
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

#	DESCRIPTION
DG9	REMOVE EXISTING LIGHT FIXTURES. MINIMIZE AREA OF EXISTING PLASTER CEILING REMOVALS IN ORDER TO ACCOMMODATE NEW ELECTRICAL WORK. COORDINATE WITH ELECTRICAL DRAWINGS.
DG10	REFER TO ELECTRICAL DRAWINGS FOR REMOVALS OF CEILING MOUNTED DEVICES.
DG13	CORE DRILL AS NECESSARY TO ACCOMMODATE AISLE LIGHTING AT BALCONY STEPS ABOVE. COORDINATE LOCATION WITH EXISTING FIELD CONDITIONS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
DG16	REMOVE PLASTER CEILING TO EXTEND SHOWN. COORDINATE WITH ELECTRICAL AND THEATRICAL DESIGN DRAWINGS. PROTECT EXISTING DEVICES TO REMAIN DURING REMOVALS AND NEW WORK.

KEY PLAN



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Sheet Title

DEMOLITION - REFLECTED CEILING PLAN THIRD FLOOR

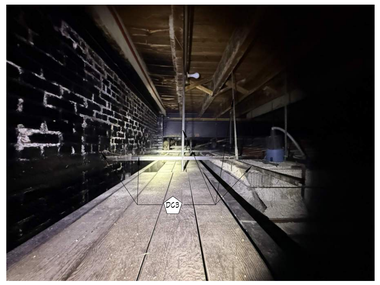
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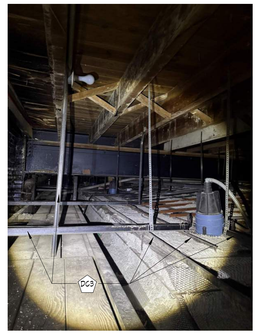
CONSTRUCTION DOCUMENTS

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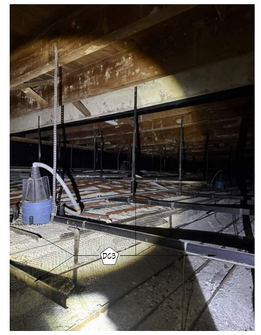
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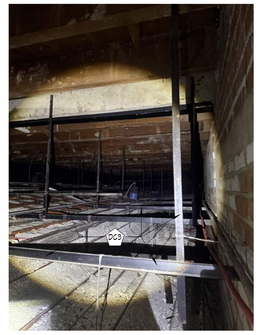
5 PLENUM VIEW 4
AD841 12" = 1'-0"



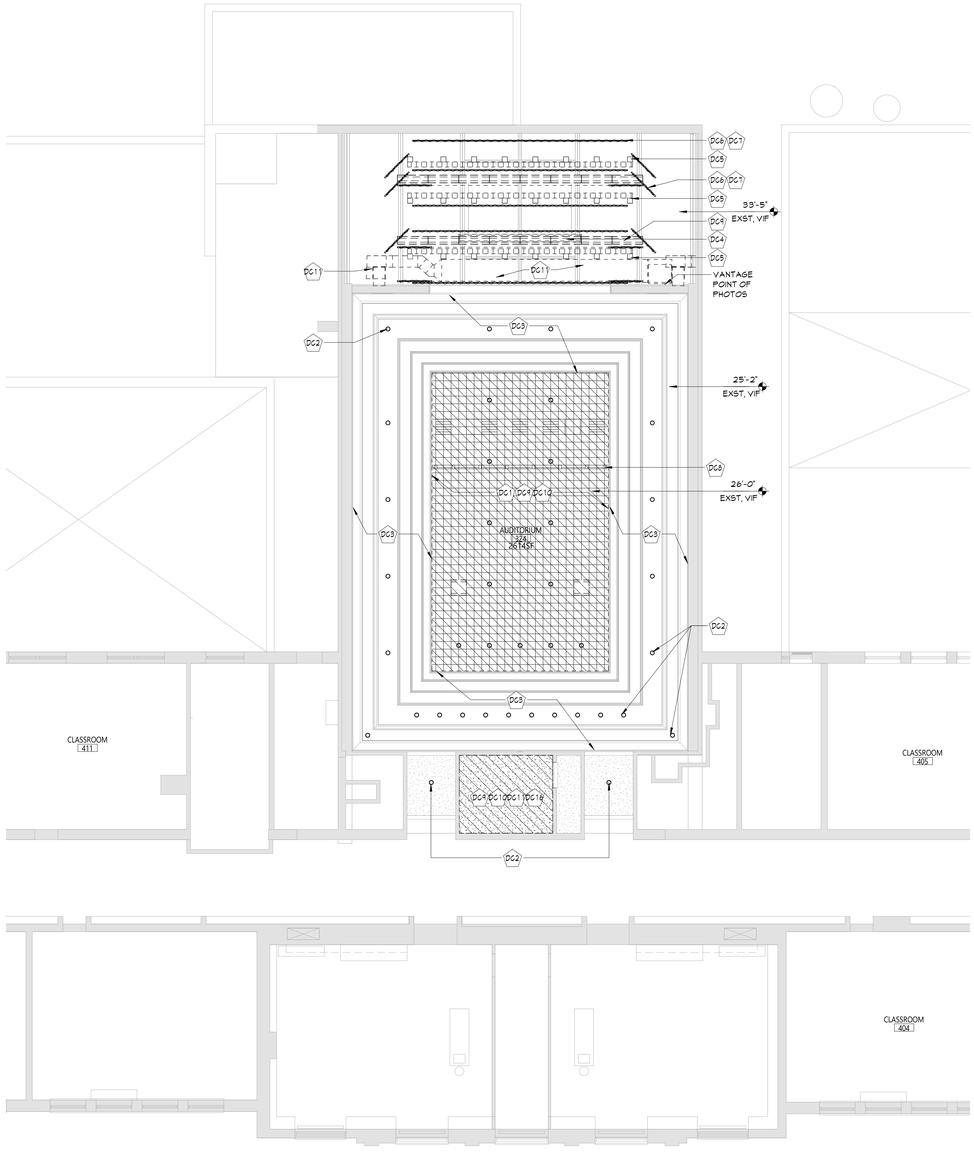
4 PLENUM VIEW 3
AD841 12" = 1'-0"



3 PLENUM VIEW 2
AD841 12" = 1'-0"



2 PLENUM VIEW 1
AD841 12" = 1'-0"



1 DEMO REFLECTED CEILING PLAN FOURTH FLOOR - AUDITORIUM
AD841 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

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4. CONTRACTOR SHALL PROVIDE TEMPORARY ENCLOSURES AROUND AREAS OF DEMOLITION AND NEW CONSTRUCTION TO PROTECT ADJACENTS SPACES AS REQUIRED.
5. PROTECT ALL COMPONENTS TO REMAIN INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, CASEWORK, MILLWORK, EQUIPMENT, FINISHES, FURNISHINGS, FLOOR DRAINS, FLOOR ELECTRICAL BOXES/DEVICES, AND STRUCTURAL FROM DAMAGE DURING REMOVALS. CONTRACTOR SHALL REPLACE ANY ITEMS OR CONSTRUCTION DAMAGED DURING REMOVALS TO A FINISH AND MATERIAL QUALITY NOT LESS THAN EXISTING ADJACENT REMAINING WORK.
6. COORDINATE LOCATION AND SIZE OF WALL REMOVALS NECESSARY FOR NEW CONSTRUCTION. REMOVE THE SMALLEST AMOUNT OF MATERIAL REQUIRED FOR THE INSTALLATION OF NEW WORK.
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8. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO.
9. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
10. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
11. WHERE "SYSTEMS" ARE SCHEDULED FOR REMOVAL, REMOVE ALL COMPONENTS THAT ARE PART OF THE SYSTEM INCLUDING BUT NOT LIMITED TO: FASTENERS, UNISTRUTS, WIRES, GROUNDS, ADHESIVE, BLOCKING, AND SEALANTS. WHERE REMOVALS LEAVE HOLES, ABRASIONS, DIMPLES, OR OTHER UNFINISHED CONDITION ON A SURFACE, PATCH THE SURFACE TO MATCH THE EXISTING CONSTRUCTION SMOOTH WITHOUT IMPERFECTION AND PREPARE FOR SCHEDULED FINISH.
12. ALL MATERIAL SHOWN TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF-SITE IN A TIMELY MANNER. CONTRACTOR SHALL NOT STOCKPILE REMOVED MATERIAL ON SITE.

CEILING DEMOLITION LEGEND

- EXISTING GWB/PLASTER CEILING TO REMAIN
- EXISTING GWB/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING TO REMAIN
- EXISTING SPLINE AND PLASTER CEILING SYSTEM TO BE REMOVED
- 2'x4' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- 2'x2' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- 1'x4' LIGHT FIXTURE, SEE KEYNOTES ON THIS SHEET
- RECESSED DOWN LIGHT, REINSTALL SALVAGED

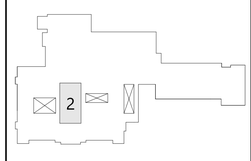
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

#	DESCRIPTION
DG1	REMOVE EXISTING PLASTER CEILING SYSTEM IN AREA SHOWN AS REQUIRED TO ACCOMMADATE NEW ELECTRICAL AND MECHANICAL WORK. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
DG2	AT PERIMETER LOCATIONS AND BALCONY ENTRY, MINIMIZE AREA OF EXISTING PLASTER CEILING REMOVALS IN ORDER TO ACCOMMODATE NEW ELECTRICAL WORK. COORDINATE WITH ABATEMENT AND ELECTRICAL DRAWINGS.
DG3	EXISTING PERIMETER PLASTER CORNICE TO REMAIN, PROTECT DURING REMOVALS AND NEW WORK.
DG4	REMOVE EXISTING PROJECTION SCREEN AND ALL EXISTING ASSOCIATED RIGGING. REFER TO ELECTRICAL DRAWINGS FOR REMOVALS AND NEW WORK.
DG5	REMOVE EXISTING THEATRICAL LIGHTS AND ASSOCIATED RIGGING. COORDINATE WITH ELECTRICAL DRAWINGS.
DG6	REMOVE ALL EXISTING STAGE RIGGING, RIGGING STRUCTURE AND RIGGING EQUIPMENT.
DG7	REMOVE ALL EXISTING THEATRICAL DRAPES AND ASSOCIATED RIGGING.
DG8	REMOVE AND SALVAGE EXISTING CEILING MOUNTED FRONT OF HOUSE THEATRICAL LIGHTS. TURN SALVAGED THEATRICAL LIGHTING TO SCHOOL DISTRICT.
DG9	REMOVE EXISTING LIGHT FIXTURES. MINIMIZE AREA OF EXISTING PLASTER CEILING REMOVALS IN ORDER TO ACCOMMODATE NEW ELECTRICAL WORK. COORDINATE WITH ELECTRICAL DRAWINGS.
DG10	REFER TO ELECTRICAL DRAWINGS FOR REMOVALS OF CEILING MOUNTED DEVICES.
DG11	REFER TO MECHANICAL DRAWINGS FOR REMOVALS.
DG16	REMOVE PLASTER CEILING TO EXTEND SHOWN. COORDINATE WITH ELECTRICAL AND THEATRICAL DESIGN DRAWINGS. PROTECT EXISTING DEVICES TO REMAIN DURING REMOVALS AND NEW WORK.

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PRESTIA
019154
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

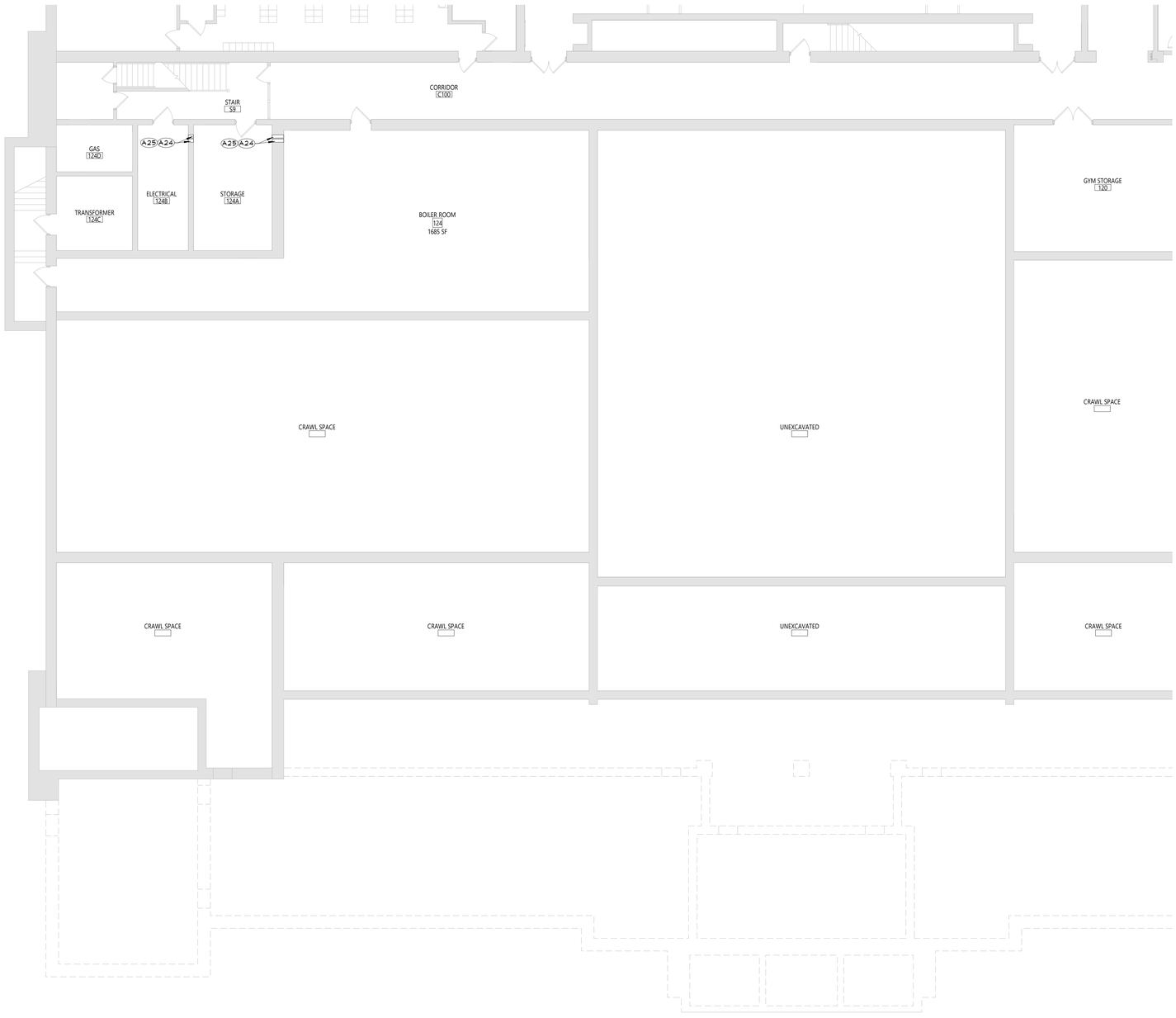
Drawn By:	KS
Checked By:	VA
Proj. #:	44-16-00-01-0-002-016
CSArch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title
DEMOLITION - REFLECTED CEILING PLAN FOURTH FLOOR

Sheet No.
NFA AD841

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 NEW WORK - PARTIAL FIRST FLOOR - BOILER ROOM
A111 1/8" = 1'-0"

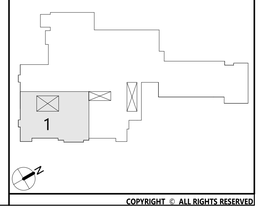
NEW WORK GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
3. VERIFY ALL FIELD CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR IS REQUIRED TO PERFORM ALL WORK SHOWN AND/OR REQUIRED TO FACILITATE NEW CONSTRUCTION AS DEPICTED IN DRAWING SET WHETHER SHOWN OR NOT.
4. IF CONDITIONS ARE ENCOUNTERED WHICH VARY FROM THOSE SHOWN, CONTACT THE ARCHITECT IMMEDIATELY.
5. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN. UNAFFECTED SECTIONS SHALL BE SEALED OFF. DO NOT DISRUPT ACTIVITIES IN OCCUPIED SPACES.
6. REPAIR & PATCH EXISTING WALLS, FLOORS AND/OR CEILING SURFACES DAMAGED DURING REMOVALS SO THAT THE INTEGRITY OF THE WALL ASSEMBLY IS MAINTAINED. THIS INCLUDES THE USE OF PROPERLY RATED FIRE RESISTIVE MATERIALS. REPAIR WITH SIMILAR MATERIALS USED IN ADJACENT CONSTRUCTION.
7. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED. WHEN WORK IS PERFORMED ON ANY PORTION OF AN EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED TO MATCH ADJACENT WALL COLOR, FINISH AND SHEEN, U.N.O. EXISTING WALL MURALS ARE NOT TO BE PAINTED OVER AND GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY EXISTING WALL MURALS IMPACTED BY CONSTRUCTION.
8. ALL PENETRATIONS OF EXISTING FIRE RATED WALLS AND SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE BARRIER INTEGRITY OF THE WALLS. SLEEVES, WIREWAYS, CABLETRAYS, PIPES, DUCTWORK, ETC. SHALL BE SEALED TIGHT TO THE WALL TO MAINTAIN RATING.
9. EXISTING PENETRATIONS WHERE PIPING, DUCTWORK, CONDUIT OR OTHER ITEMS HAVE BEEN REMOVED ARE TO BE FILLED TO MATCH ADJACENT CONSTRUCTION AND REQUIRED FIRE RATINGS.
10. FURNISH AND INSTALL REINFORCEMENT/BLOCKING REQUIRED FOR WALL, FLOOR OR CEILING MOUNTED ITEMS INCLUDING OWNER MOUNTED AND VENDOR MOUNTED ITEMS.

KEYNOTES

#	DESCRIPTION
A24	REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON CONNECTIONS.
A25	PATCH AND SEAL AROUND ALL NEWLY CREATED OPENINGS AT INTERIOR PARTITIONS TO MAINTAIN EXISTING FIRE RATING/SMOKE BARRIER INTEGRITY AS REQUIRED.

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PROKOP 019884 STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

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Sheet Title

NEW WORK - PARTIAL FIRST FLOOR PLAN

Sheet No.

NFA
A111

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-25SM NECSD NFA North Audi Reno/108-25SM NFA NORTH AUDI RENO.rvt



1 NEW WORK - PARTIAL SECOND FLOOR - LIBRARY
A121 1/8" = 1'-0"

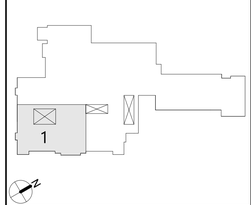
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KEYNOTES

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KEY PLAN



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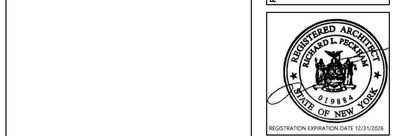
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Sheet Title
NEW WORK - PARTIAL SECOND FLOOR PLAN

Sheet No.
NFA
A121

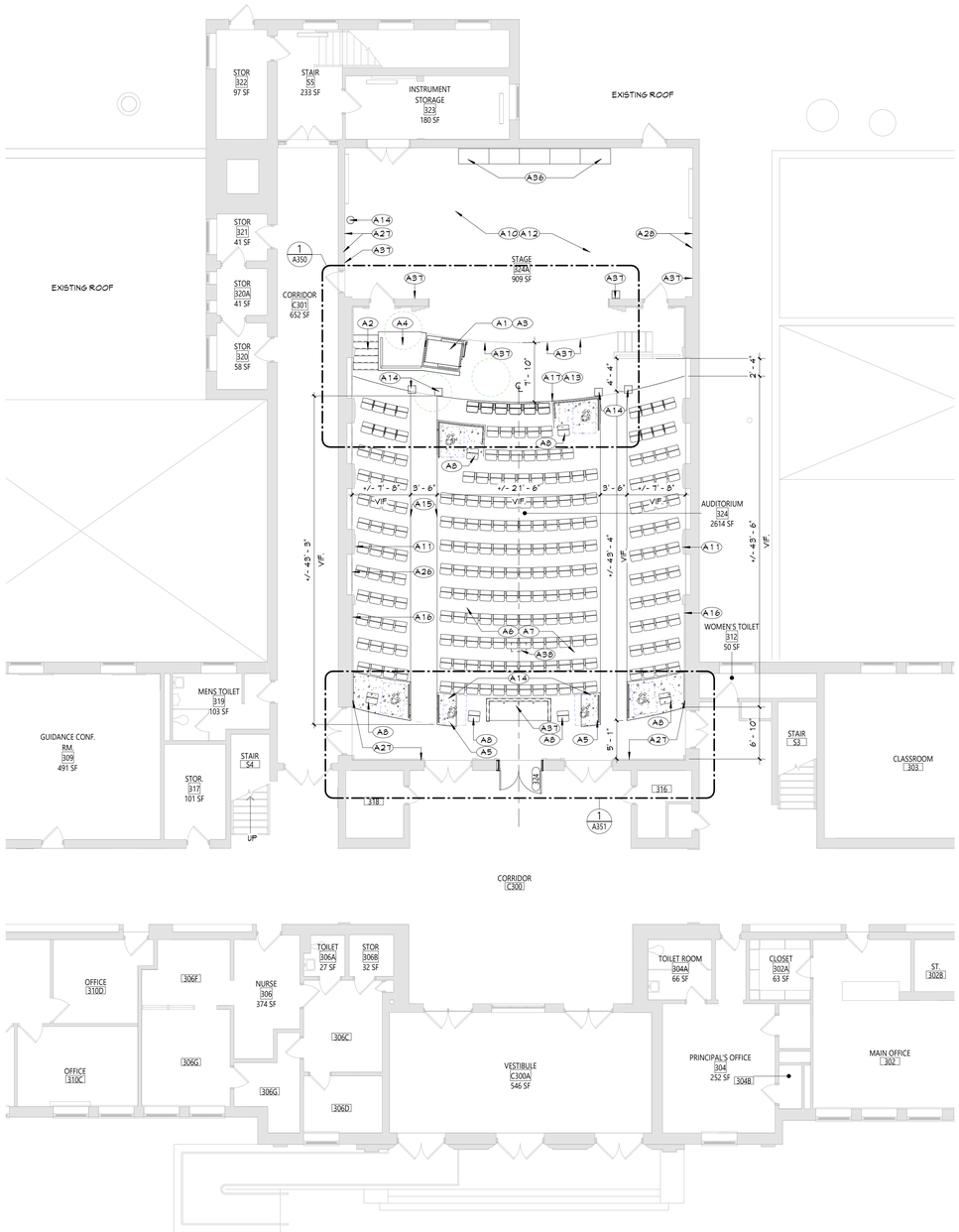
CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt

FIXED SEATING SCHEDULED

ROOM NUMBER	FIXED SEATS	ADA COMPLIANT WHEELCHAIR SPACES	TOTAL SEATS	REMARKS
AUDITORIUM 324	232	6	238	1
BALCONY 420	95	0	95	2

REMARKS:
1. PROVIDED ONE COMPANION SEATING EACH ACCESSIBLE WHEELCHAIR SPACE. REFERENCE TABLE 1108.2.2.1
2. DUE TO BALCONY NOT BEING ACCESSIBLE, WHEELCHAIR SPACE REQUIRED IS PROVIDED AT MAIN LEVEL OF THE AUDITORIUM. TOTAL WHEELCHAIR SPACES IS 6, FOR COMBINED OCCUPANCY OF 338.



1 NEW WORK - PARTIAL THIRD FLOOR - AUDITORIUM
A131 1/8" = 1'-0"

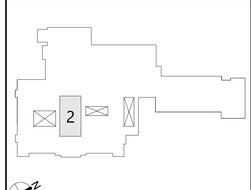
NEW WORK GENERAL NOTES

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2. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
3. VERIFY ALL FIELD CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR IS REQUIRED TO PERFORM ALL WORK SHOWN AND/OR REQUIRED TO FACILITATE NEW CONSTRUCTION AS DEPICTED IN DRAWING SET WHETHER SHOWN OR NOT.
4. IF CONDITIONS ARE ENCOUNTERED WHICH VARY FROM THOSE SHOWN, CONTACT THE ARCHITECT IMMEDIATELY.
5. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN. UNAFFECTED SECTIONS SHALL BE SEALED OFF. DO NOT DISRUPT ACTIVITIES IN OCCUPIED SPACES.
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9. EXISTING PENETRATIONS WHERE PIPING, DUCTWORK, CONDUIT OR OTHER ITEMS HAVE BEEN REMOVED ARE TO BE FILLED TO MATCH ADJACENT CONSTRUCTION AND REQUIRED FIRE RATINGS.
10. FURNISH AND INSTALL REINFORCEMENT/BLOCKING REQUIRED FOR WALL, FLOOR OR CEILING MOUNTED ITEMS INCLUDING OWNER MOUNTED AND VENDOR MOUNTED ITEMS.

KEYNOTES

#	DESCRIPTION
A1	PROVIDE NEW ADA LIFT AS SPECIFIED.
A2	PROVIDE NEW STAGE STAIRS. ALL NEW WOOD TO MATCH EXISTING SPECIES, GRADE, SIZE, STAIN AND FINISH.
A3	PATCH, INFILL LEVEL AND PREP EXISTING CONCRETE SLAB AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW ADA LIFT, STAGE INFILL AND NEW STAGE STAIRS.
A4	EXPAND STAGE AS REQUIRED TO PROVIDE LANDING AT NEW ADA LIFT. ALL NEW WOOD TO MATCH EXISTING SPECIES, GRADE, SIZE, STAIN AND FINISH.
A5	EXPAND EXISTING CONCRETE ADA PLATFORM AS SHOWN.
A6	PREPARE EXISTING CONCRETE SLAB TO ENSURE SMOOTH NORKABLE SURFACE TO RECEIVE NEW COATING/PAINT PRIOR TO INSTALLATION OF NEW FIXED SEATING. FILL AND PATCH ALL HOLES FROM REMOVED SEATING ANCHOR BOLTS/FASTENERS. PARGH/FILL PRODUCT SHALL PROVIDE TOUGH DURABLE FINISH TO WITSTAND NEW FIXED SEATING INSTALLATION.
A7	DISTRICT PROVIDED AND INSTALLED FIXED SEATING.
A8	COMPANION SEAT FOR ADA SEATING AREA.
A10	EXISTING STAGE WOOD FLOORING TO BE REFINISHED. INFILL, SAND, AND PREPARE AS NECESSARY. STAIN COLOR AND SHEEN TO MATCH EXISTING. WOOD FLOORING REFINISHING TO INCLUDE EXISTING STAGE STAIRS, LANDING AND WOOD TRIM AT EXISTING STAIR KNEE WALL.
A11	EXISTING STONE WALL BASE TO REMAIN. PROTECT DURING NEW CONSTRUCTION TYPICAL.
A12	STAGE AREA EXISTING BRICK WALL FINISH TO REMAIN. PROTECT DURING CONSTRUCTION.
A13	PROVIDE NEW CARPET. PREPARE EXISTING CONCRETE, INFILL, PATCH, AND LEVEL AS REQUIRED FOR CARPET INSTALLATION.
A14	PROVIDE CONCRETE SLAB INFILL AT CONDUIT TRENCH/PENETRATIONS, WHERE REQUIRED. ALIGN/MATCH ADJACENT ELEVATION OF SLAB IN ALL DIRECTIONS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
A15	PROVIDE NEW AISLE LED STRIP LIGHT. COORDINATE WITH ELECTRICAL DRAWINGS.
A16	PROVIDE NEW PAINT FINISH AT ALL WALLS. PATCH, SAND, PRIME AND PREPARE AS REQUIRED. COORDINATE WITH FINISH DRAWINGS.
A17	PROVIDE ADA COMPLIANT TRANSITION STRIPS AT AREAS OF DIFFERENT FLOOR FINISHES. COORDINATE WITH FINISH DRAWINGS.
A26	SALVAGED DECORATIVE WALL GRILLES, SAND, PRIME AND PREP TO RECEIVE NEW PAINT FINISH AND REINSTALL TYPICAL.
A27	REFER TO ELECTRICAL AND THEATRICAL LIGHTING DRAWINGS FOR NEW WORK ASSOCIATED WITH WALL MOUNTED HAND WINCH
A28	REFER TO STRUCTURAL AND THEATRICAL LIGHTING DRAWINGS FOR NEW WORK.
A36	(5) 48"WX24"DX60"H HEAVY DUTY ADJUSTABLE SHELVES UNIT. ADJUSTABLE SHELVES SHOULD ACCEPT 5MM THICK MDF BOARDS. SEGURE SHELVING UNITS TO EXISTING MASONRY WALL.
A37	REFER TO ELECTRICAL AND THEATRICAL DESIGN DRAWINGS FOR NEW WORK
A38	PROJECTOR ABOVE

KEY PLAN



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REGISTERED ARCHITECT
RICHARD L. PRESPERIN
019884
STATE OF NEW YORK
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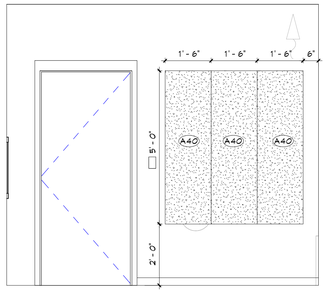
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Sheet Title
NEW WORK - PARTIAL THIRD FLOOR PLAN

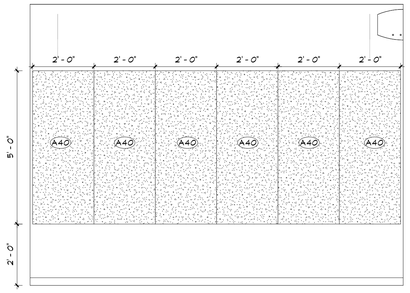
Sheet No.
NFA
A131

CONSTRUCTION DOCUMENTS

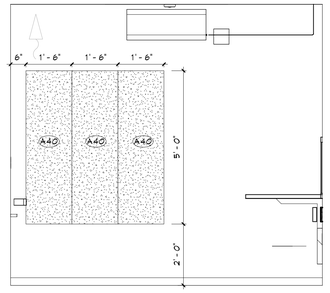
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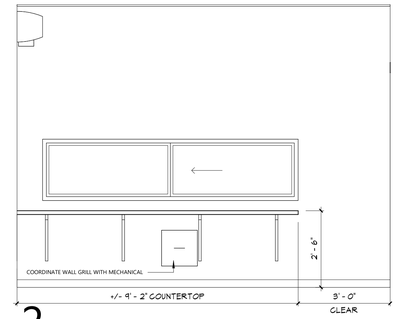
5 ELEVATION 5
A141 1/2" = 1'-0"



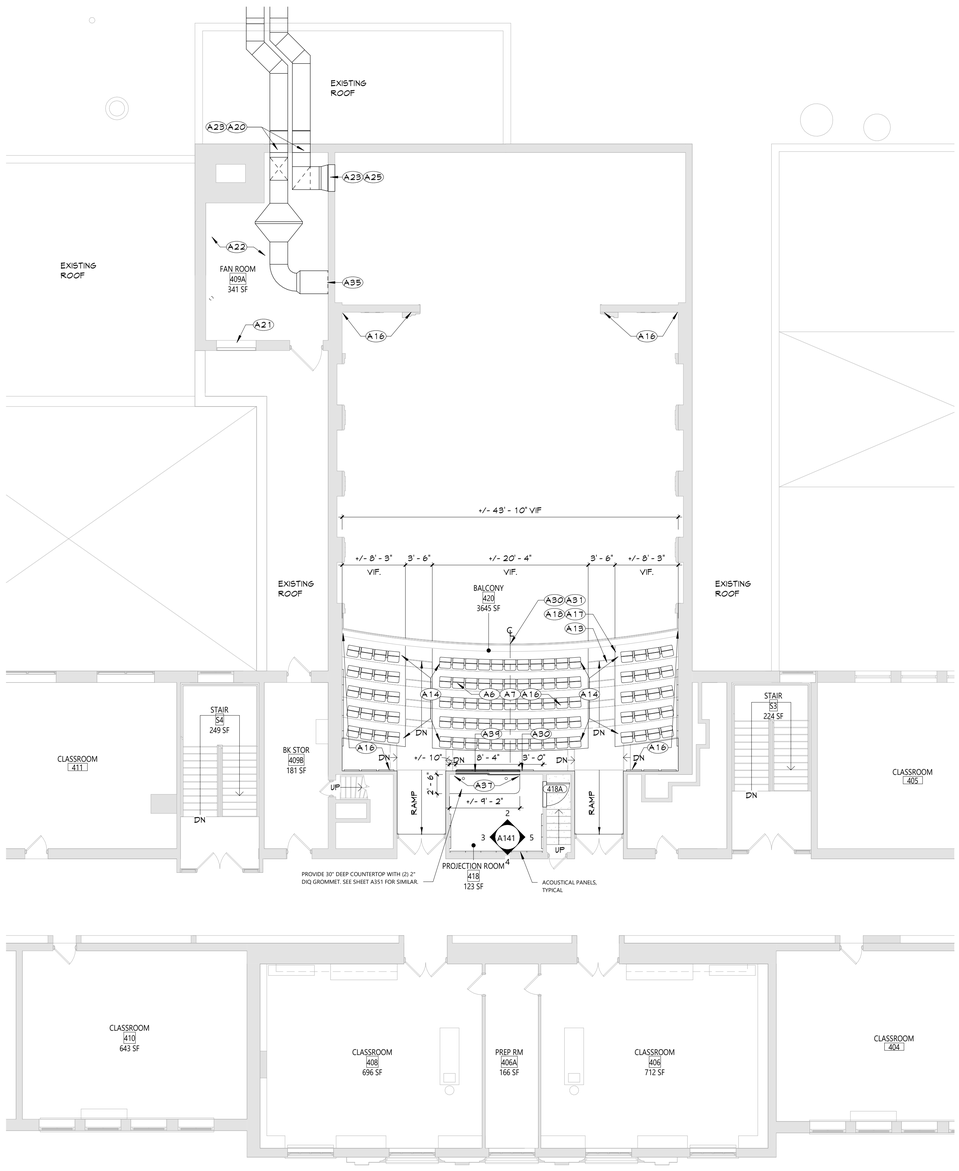
4 ELEVATION 4
A141 1/2" = 1'-0"



3 ELEVATION 3
A141 1/2" = 1'-0"



2 ELEVATION 2
A141 1/2" = 1'-0"



1 NEW WORK - PARTIAL FOURTH FLOOR - BALCONY
A141 1/8" = 1'-0"

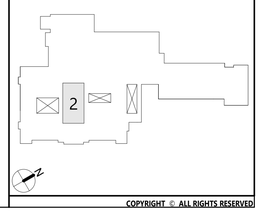
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KEYNOTES

#	DESCRIPTION
A6	PREPARE EXISTING CONCRETE SLAB TO ENSURE SMOOTH NONCABLE SURFACE TO RECEIVE NEW COATING/PAINT PRIOR TO INSTALLATION OF NEW FIXED SEATING. FILL AND PATCH ALL HOLES FROM REMOVED SEATING ANCHOR BOLTS/FASTENERS. PARGH/FILL PRODUCT SHALL PROVIDE TOUGH DURABLE FINISH TO WITSTAND NEW FIXED SEATING INSTALLATION.
A7	DISTRICT PROVIDED AND INSTALLED FIXED SEATING.
A13	PROVIDE NEW CARPET. PREPARE EXISTING CONCRETE, INFILL, PATCH, AND LEVEL AS REQUIRED FOR CARPET INSTALLATION.
A14	PROVIDE CONCRETE SLAB INFILL AT CONDUIT TRENCH/PENETRATIONS. WHERE REQUIRED, ALIGN/MATCH ADJACENT ELEVATION OF SLAB IN ALL DIRECTIONS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
A16	PROVIDE NEW PAINT FINISH AT ALL WALLS. PATCH, SAND, PRIME AND PREPARE AS REQUIRED. COORDINATE WITH FINISH DRAWINGS.
A17	PROVIDE ADA COMPLIANT TRANSITION STRIPS AT AREAS OF DIFFERENT FLOOR FINISHES. COORDINATE WITH FINISH DRAWINGS.
A18	PROVIDE RUBBER STAIR NOSING WITH CONTRAST STRIP AT ALL STAIR TREADS.
A20	SEAL AROUND ALL NEWLY CREATED OPENINGS AT EXISTING EXTERIOR WALL ASSEMBLY TO MAKE WATER TIGHT.
A21	PROVIDE NEW INSULATION AND COVER BOARD AT EXISTING LOUVER. PATCH AS REQUIRED.
A22	REFER TO MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR NEW WORK.
A23	PROVIDE NEW STRUCTURAL LINTEL. SEE STRUCTURAL DRAWINGS FOR DETAILS.
A25	PATCH AND SEAL AROUND ALL NEWLY CREATED OPENINGS AT INTERIOR PARTITIONS TO MAINTAIN EXISTING FIRE RATING/SMOKE BARRIER INTEGRITY AS REQUIRED.
A30	REINSTALL SALVAGED WALL MOUNTED CLOCK.
A31	EXISTING WOOD TRIM AT BALCONY LOW WALL TO BE REFINISHED. INFILL, SAND, AND PREPARE AS NECESSARY. STAIN COLOR AND SHEEN TO MATCH EXISTING. EXISTING GUARDRAIL TO REMAIN, PROTECT DURING NEW WORK.
A35	NEW DUCK WORK IN EXISTING WALL OPENING
A37	REFER TO ELECTRICAL AND THEATRICAL DESIGN DRAWINGS FOR NEW WORK.
A39	PREPARE OPENING TO RECEIVE STEEL ANGLE AND ALUMINUM FRAMED SLIDING TRANSACTION WINDOW. COORDINATE WITH ABATEMENT, AND STRUCTURAL DRAWINGS.
A40	ACOUSTICAL WALL PANEL. REFER TO FINISH DRAWINGS SCHEDULE FOR NEW WORK.

KEY PLAN



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Drawn By:	KS
Checked By:	VA
Proj. #:	44-16-00-01-0-002-016
CSArch Proj. #:	108-2504
Issued for Bid:	10/13/2025

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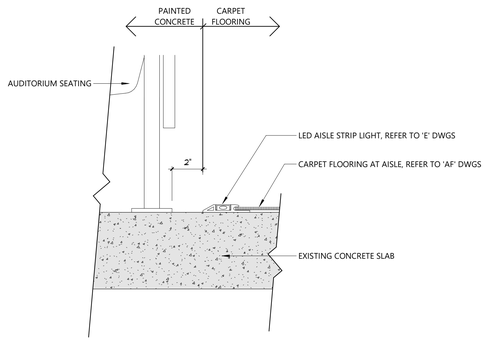
NEW WORK - PARTIAL FOURTH FLOOR PLAN

Sheet No.

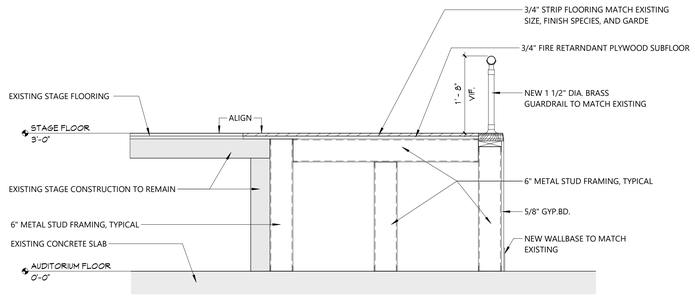
NFA A141

CONSTRUCTION DOCUMENTS

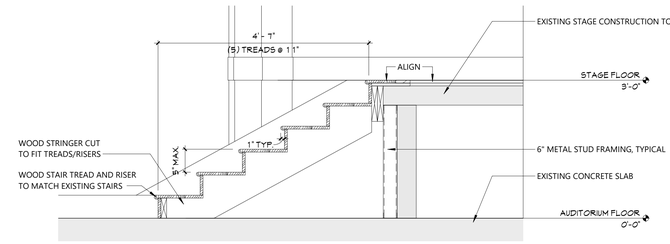
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7 SECTION DETAIL - AISLE LIGHTING
A350 3" = 1'-0"

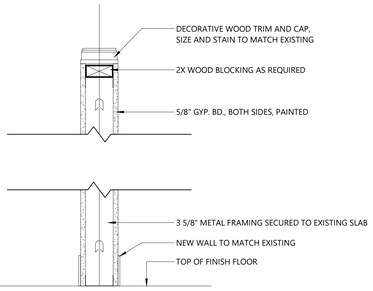


3 STAGE INFILL
A350 3/4" = 1'-0"

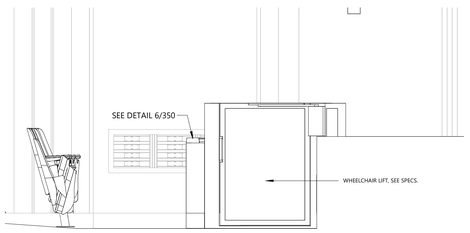


NOTES:
1. VERIFY STAGE CONSTRUCTION IN FIELD, INCLUDING FLOOR COMPOSITION & SUPPORTS.

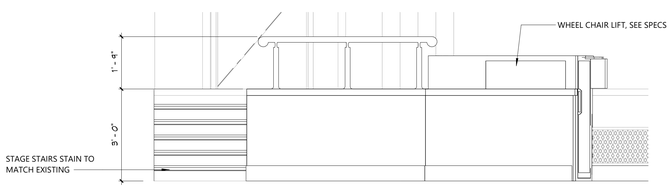
2 Stage Stairs
A350 3/4" = 1'-0"



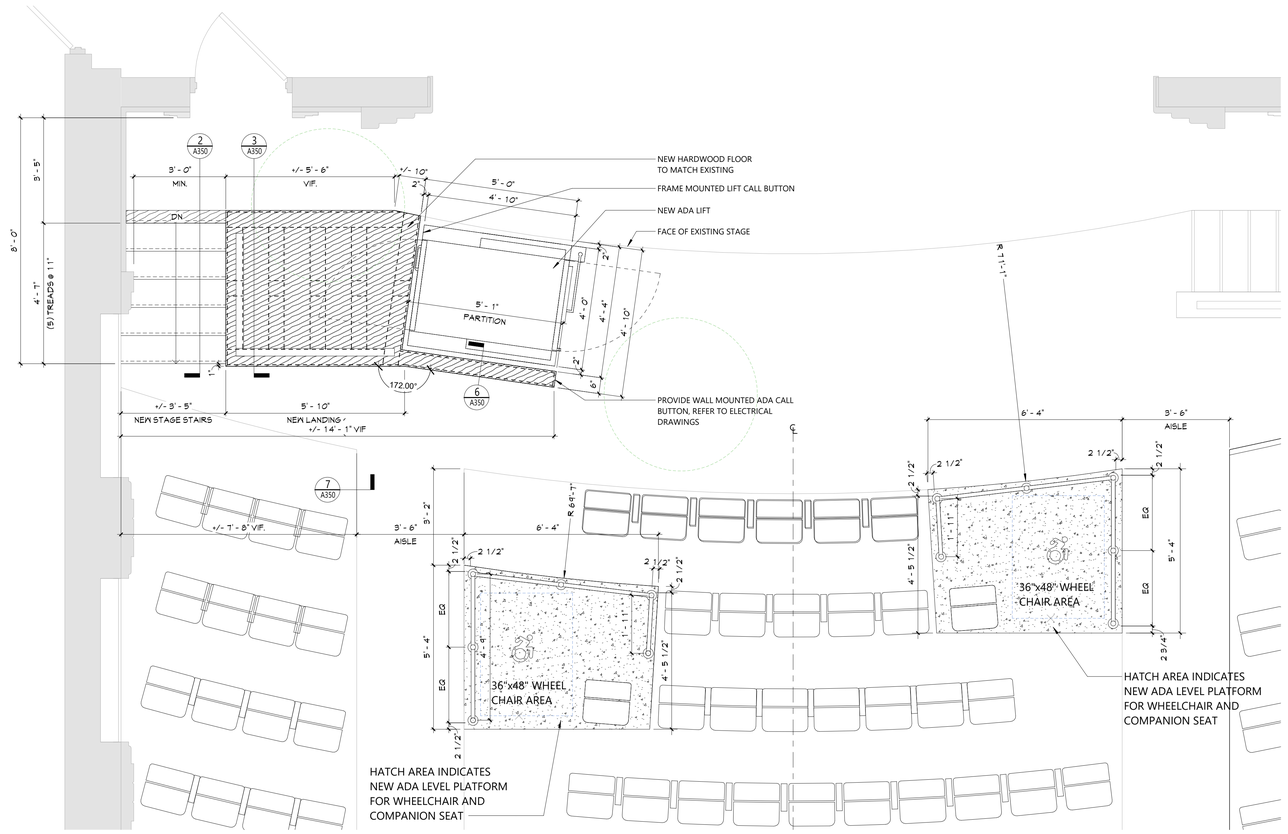
6 WALL SECTION - STAGE LIFT & STAIR
A350 1 1/2" = 1'-0"



5 ELEVATION - STAGE LIFT
A350 1/2" = 1'-0"



4 ELEVATION - STAGE LIFT & STAIR
A350 1/2" = 1'-0"



1 ENLARGED PARTIAL PLAN
A350 1/2" = 1'-0"

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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PRESTON 019854 STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

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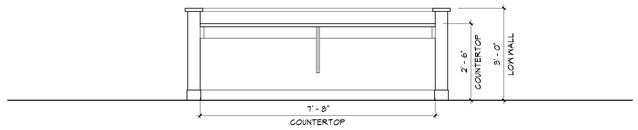
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Sheet Title
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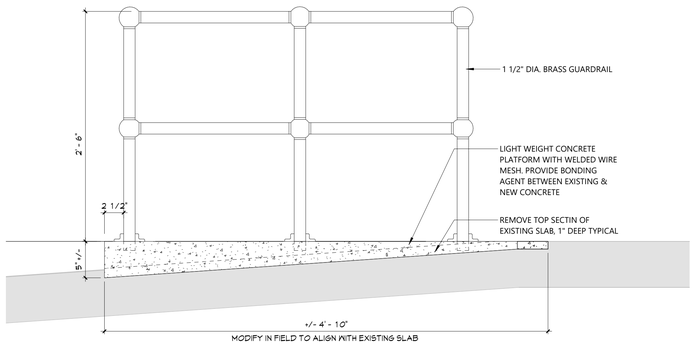
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A350

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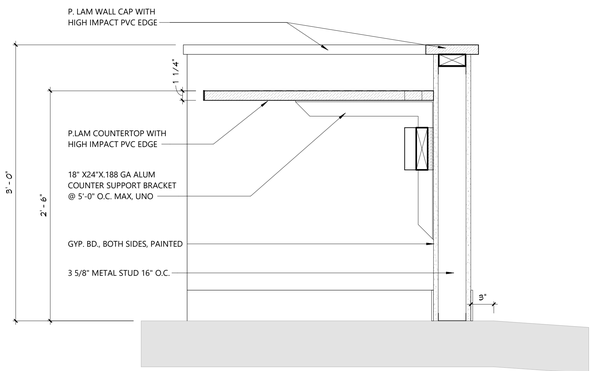
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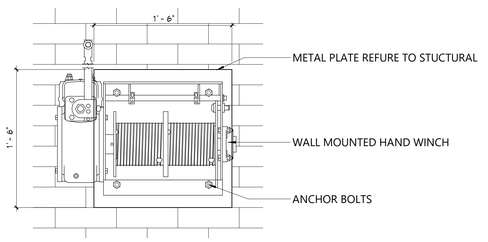
6 counter top
A351 1/2" = 1'-0"



5 SECTION DETAIL - AUDITORIUM ADA VIEWING PLATFORM
A351 1 1/2" = 1'-0"



4 SECTION WITH COUNTERTOP
A351 1 1/2" = 1'-0"



3 HAND WICH ATTATACHMENT
A351 1 1/2" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	DOOR QUANTITY	DOOR FROM		DOOR TO		DOOR WIDTH 1	DOOR Width 2	DOOR HEIGHT2	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	LABEL (MIN)	GLAZING	HARDWARE	MAG HOLD-OPEN	ACCESS CONTROL	REMARKS	DOOR NUMBER
324	PAIR	324	AUDITORIUM	C300	CORRIDOR	2' - 6"	3' - 0"	7' - 0"	1 3/4"	L	WD	FF	ETR	EXST	PT	ETR	ETR	ETR	45	2	NFA 01	--	--	REINSTALL SALVAGED CONTINUOUS HINGES	324
418A	1	418	PROJECTION ROOM	418A	STAIR	-	3' - 0"	7' - 0"	1 3/4"	F	WD	FF	ETR	EXST	PT	ETR	ETR	ETR	-	-	NFA 02	--	--		418A

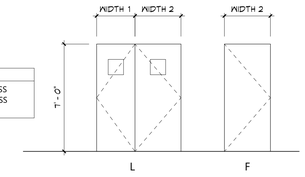
HARDWARE SET NFA01

QTY ITEM
(2) SALVAGED CONTINUOUS
(1) TOP LATCH SURFACE VERTICAL ROD PANIC EXIT DEVICE WITH CYLINDER READY ESCUTCHEON LEVER HANDLE TRIM FOR A 36" WIDE DOOR LEAF, LEFT HAND REVERSE SWING
(1) TOP LATCH SURFACE VERTICAL ROD PANIC EXIT DEVICE WITH CYLINDER READY ESCUTCHEON LEVER HANDLE TRIM FOR A 30" WIDE DOOR LEAF, RIGHT HAND REVERSE SWING
(2) RIM OR MORTISE CYLINDER
(2) CORE CYLINDER
(2) CLOSER (TRI-PACKED)...

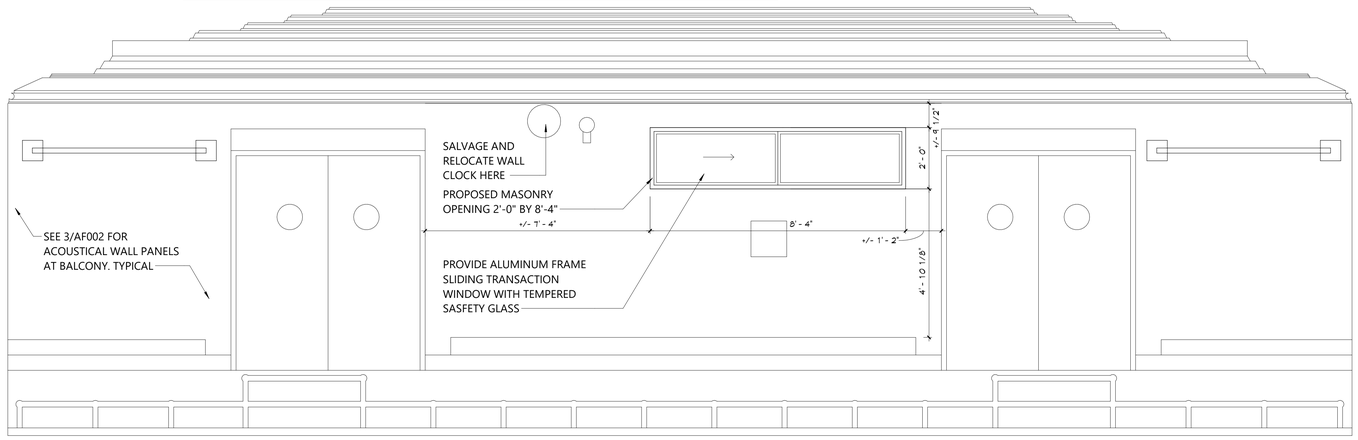
HARDWARE SET NFA02

QTY ITEM
(3) 4.5" X 4.5" BALL BEARING HINGES, US26D SATIN CHROME
(1) CYLINDRICAL STOREROOM FUNCTION LOCKSET, LEVER TRIM, US26D
(1) SURFACE DOOR CLOSER, ADJUSTABLE, ALUMINUM

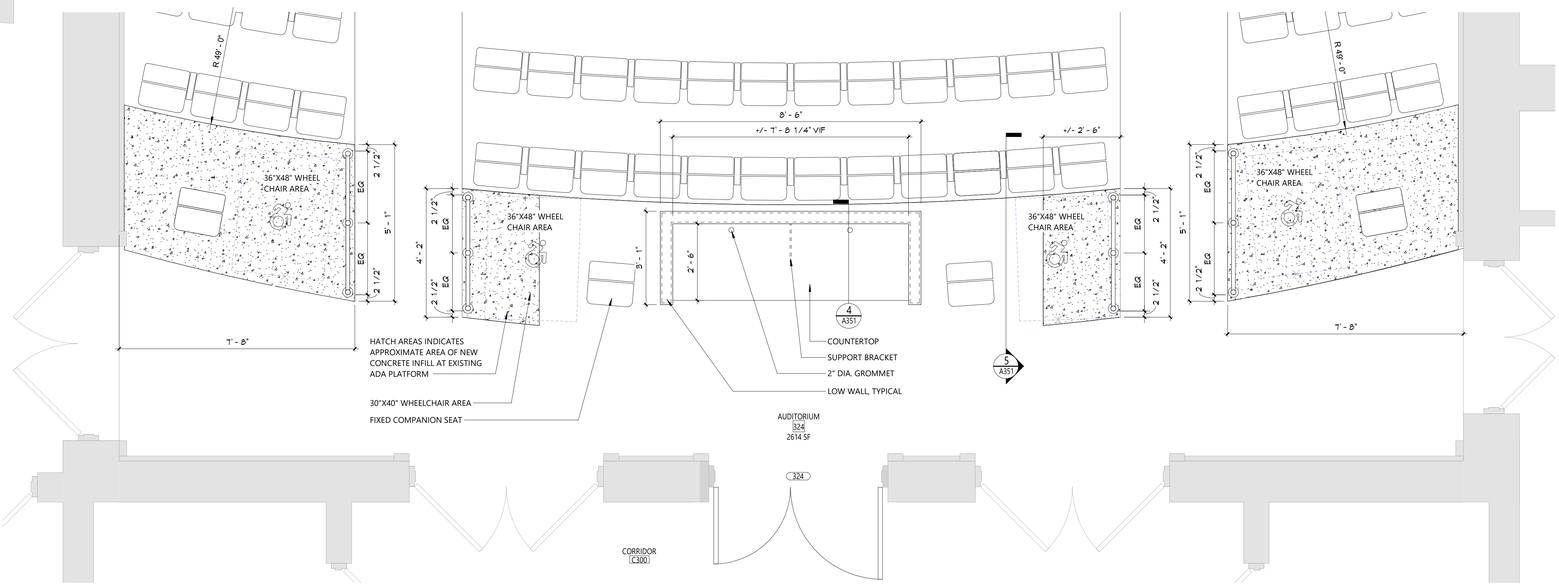
GLASS TYPES
1. INSULATION GLASS
2. LAMINATED GLASS
3. SAFETY GLASS



DOOR TYPE
1/4" = 1'-0"



2 WEST ELEVATION
A351 1/2" = 1'-0"



1 ENLARGED PARTIAL PLAN
A351 1/2" = 1'-0"

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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RONALD L. FROMAN
019984
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

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NFA
A351

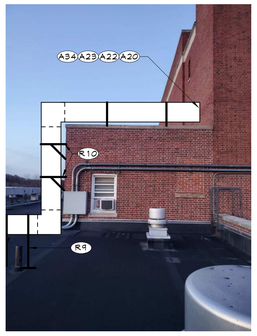
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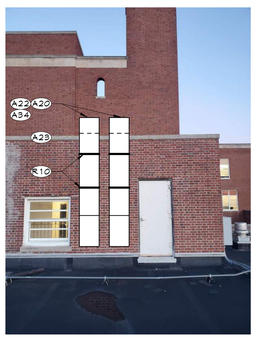
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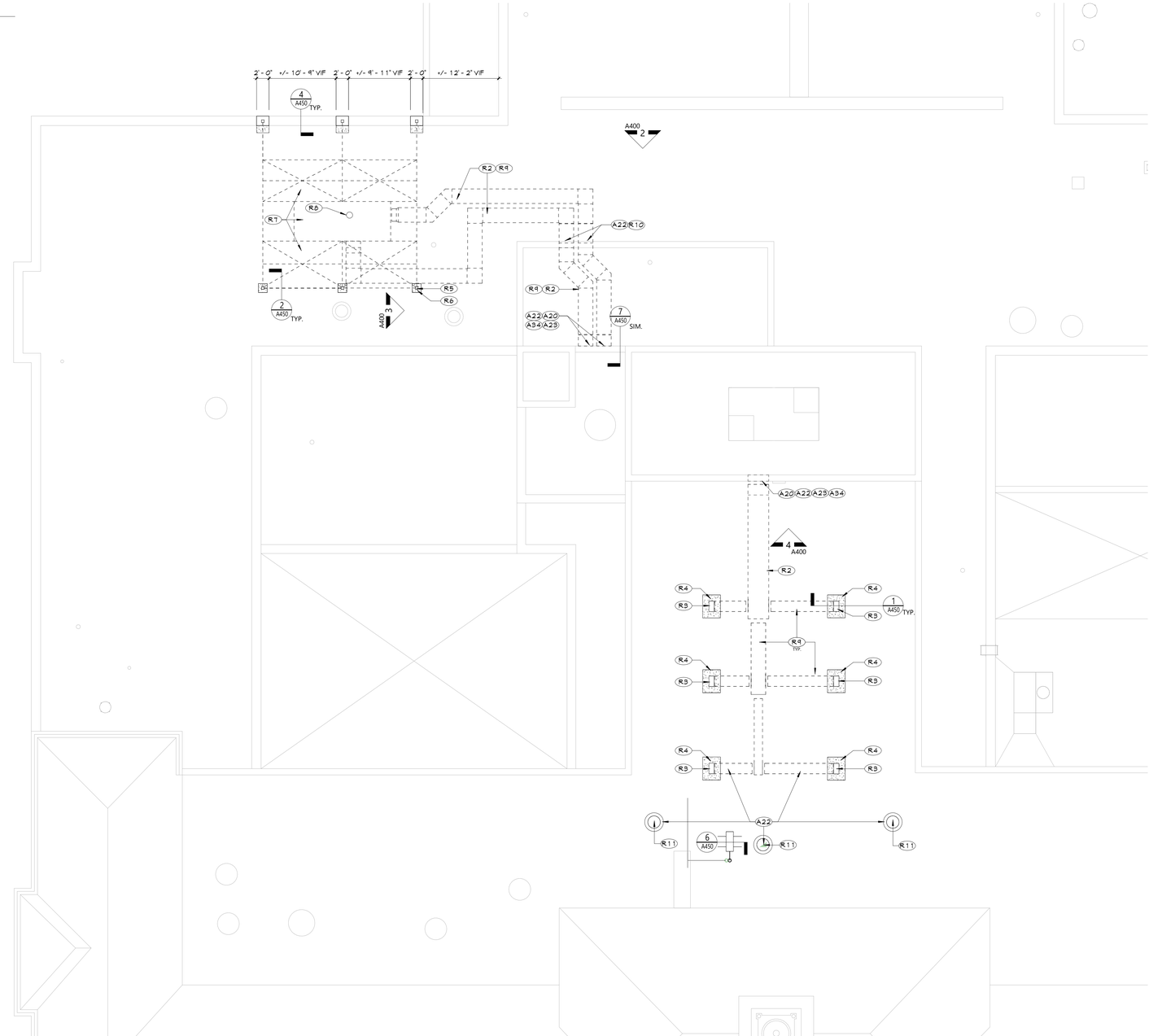
4 ROOF VIEW 9
A400 12" = 1'-0"



3 ROOF VIEW 8
A400 12" = 1'-0"



2 ROOF VIEW 7
A400 12" = 1'-0"



1 NEW WORK - PARTIAL ROOF PLAN
A400 1/8" = 1'-0"

ROOF GENERAL NOTES

1. PROTECT ALL EXISTING ROOF AREAS DURING NEW WORK.

2. PATCH AND REPLACE NEWLY CREATED HOLES IN ROOF (DUE TO REMOVALS) WITH MATERIALS TO MATCH EXISTING CONSTRUCION.

3. ALL ROOF DRAINS TO REMAIN, U.O.N.

4. FOR NEW WORK, CURB SIZES SHOWN REFLECT PENETRATING DUCT SIZE. CURB SIZE MAY VARY, REFER TO MECHANICAL DRAWINGS. COORDINATE ACTUAL SIZE OF CURBS. THE REQUIRED REMOVALS/PATCHING, AND FLASHING WITH APPROVED SUBMITTALS.

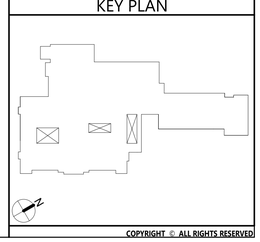
ROOF NEW WOLK LEGEND

AREA OF ROOF PATCHING/FLASHING

KEYNOTES

#	DESCRIPTION
A20	SEAL AROUND ALL NEWLY CREATED OPENINGS AT EXISTING EXTERIOR WALL ASSEMBLY TO MAKE WATER TIGHT.
A22	REFER TO MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR NEW WORK.
A23	PROVIDE NEW STRUCTURAL LINTEL. SEE STRUCTURAL DRAWINGS FOR DETAILS.
A34	REBUILD MASONRY WALL AS REQUIRED TO MATCH EXISTING ASSEMBLY, INCLUDING BRICK AND MORTAR JOINT SIZE AND COLOR.
R2	DASHED LINE OF NEW MECHANICAL DUCTWORK. COORDINATE WITH MECHANICAL DRAWINGS.
R3	PROVIDE NEW DUCT ROOF PENETRATION. COORDINATE WITH MECHANICAL DRAWINGS. SEE A451 FOR ROOF DETAILS.
R4	PROVIDE 12" MINIMUM OF NEW ROOFING SYSTEM AROUND PERIMETER OF NEW DUCT PENETRATION. ROOF ASSEMBLY TO MATCH EXISTING. COORDINATE WORK AS REQUIRED BY MEMBRANE MANUFACTURER TO MAINTAIN EXISTING ROOF WARRANTY. SEE A451 FOR ROOF DETAILS.
R5	NEW STRUCTURAL ROOF SUPPORTS. COORDINATE WITH MECHANICAL AND STRUCTURAL DRAWINGS.
R6	PROVIDE 12" MINIMUM OF NEW ROOFING SYSTEM AROUND PERIMETER OF NEW STRUCTURAL PENETRATION. ROOF ASSEMBLY TO MATCH EXISTING. COORDINATE WORK AS REQUIRED BY MEMBRANE MANUFACTURER TO MAINTAIN EXISTING ROOF WARRANTY. SEE A451 FOR ROOF DETAILS.
R7	DASHED LINE OF NEW STEEL DUNNAGE AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL AND STRUCTURAL DRAWINGS.
R8	NEW PIPE CURB ROOF PENETRATION. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS. SEE A451 FOR ROOF DETAILS.
R9	PROVIDE NON-PENETRATING DUCT SUPPORT RAIL WITH ROOF MEMBRANE PROTECTION AT SUPPORT LOCATIONS. COORDINATE WITH MECHANICAL DRAWINGS TYPICAL.
R10	PROVIDE WALL MOUNT SUPPORTS AT VERTICAL DUCTWORK RUNS, SEGURED TO EXISTING MANSONRY WALL AS PER MANUFACTURER'S RECOMMENDATION. COORDINATE WITH MECHANICAL DRAWINGS.
R11	NEW MECHANICAL EQUIPMENT AT EXISTING CURB.

KEY PLAN



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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PRESTIPINO
013854
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
2	Date 2	SED ADDENDUM 2

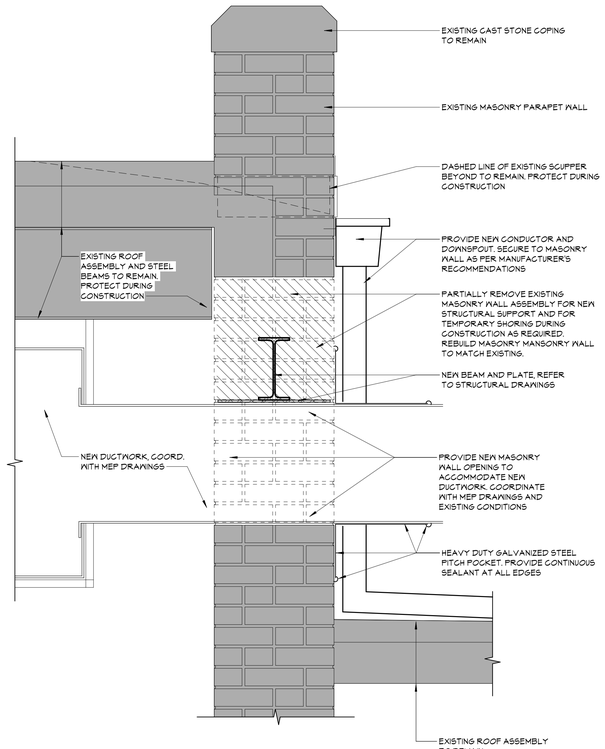
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PARTIAL ROOF PLAN

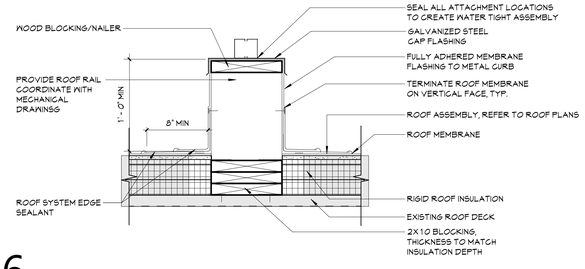
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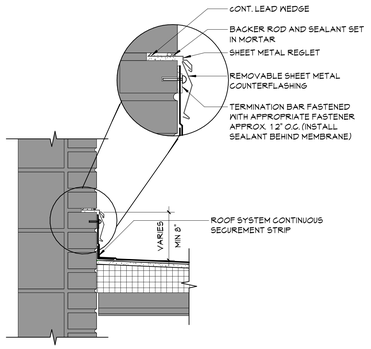
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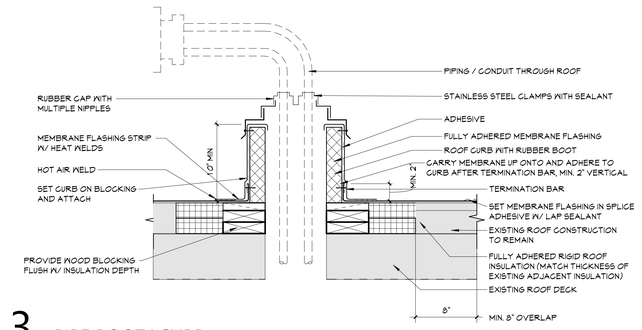
7 PARAPET/DUCT PENETRATION DETAIL
A450 1 1/2" = 1'-0"



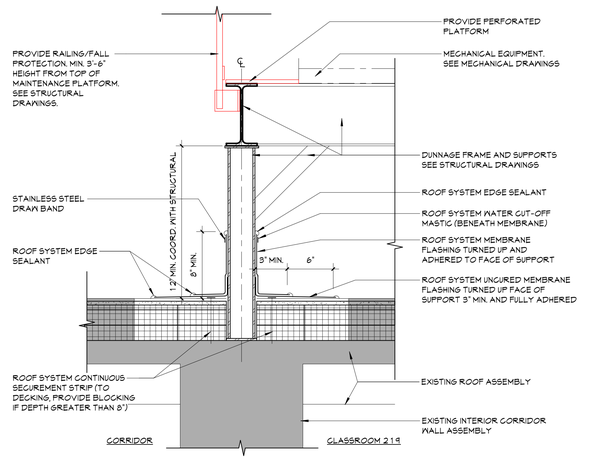
6 EQUIPMENT RAIL DETAIL
A450 1 1/2" = 1'-0"



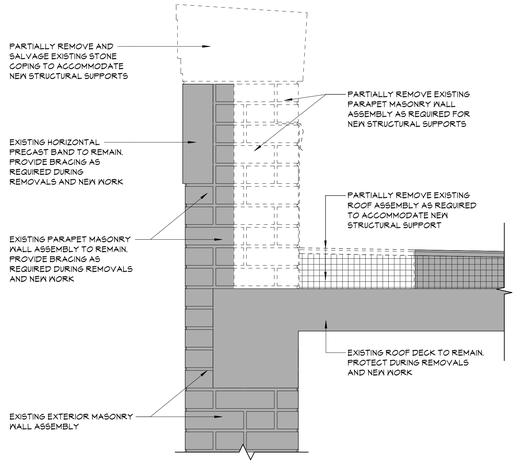
5 REGLET DETAIL
A450 1 1/2" = 1'-0"



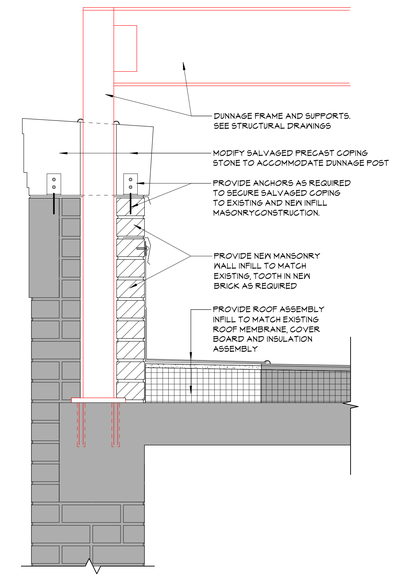
3 PIPE BOOT/ CURB
A450 1 1/2" = 1'-0"

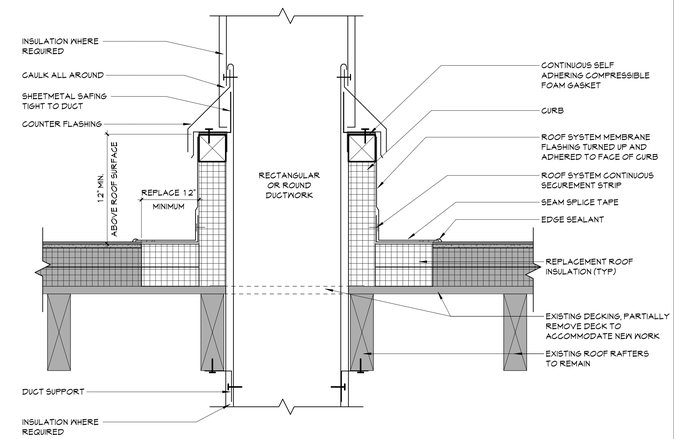


2 MECHANICAL SUPPORT/DUNNAGE DETAIL
A450 1 1/2" = 1'-0"



4 PARAPET/DUNNAGE DETAIL
A450 1 1/2" = 1'-0"





1 ROOF DUCT PENETRATION DETAIL
A450 1 1/2" = 1'-0"

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AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PROCHNOW STATE OF NEW YORK 019886
REGISTRATION EXPIRATION DATE 12/31/2026

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Sheet Title
TYPICAL ROOF DETAILS

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A450

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1 NEW WORK - REFLECTED CEILING PLAN SECOND FLOOR - LIBARY
A821 1/8" = 1'-0"

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING LEGEND

- EXISTING GWB/PLASTER CEILING TO REMAIN
- GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING TO REMAIN
- ACOUSTICAL CEILING TILE, REINSTALL SALVAGE
- X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- DS CEILING MOUNTED OCCUPANCY SENSOR
- S CEILING MOUNTED SMOKE DETECTOR
- H CEILING MOUNTED HEAT DETECTOR
- S CEILING MOUNTED PA SPEAKER
- J CEILING MOUNTED SECURITY J-BOX
- MS CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

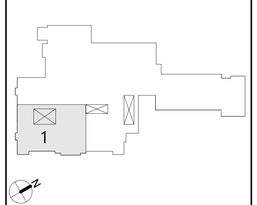
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

#	DESCRIPTION
AG14	REINSTALL SALVAGED ACOUSTICAL CEILING TILES, LIGHT FIXTURES, MECHANICAL EQUIPMENT, AND CEILING MOUNTED DEVICES.
AG15	PATCH AND SEAL AROUND ALL NEWLY CREATED OPENINGS AT EXISTING ASSEMBLIES TO MAINTAIN FIRE RATING.

KEY PLAN



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AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RONALD L. FROMAN
019884
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

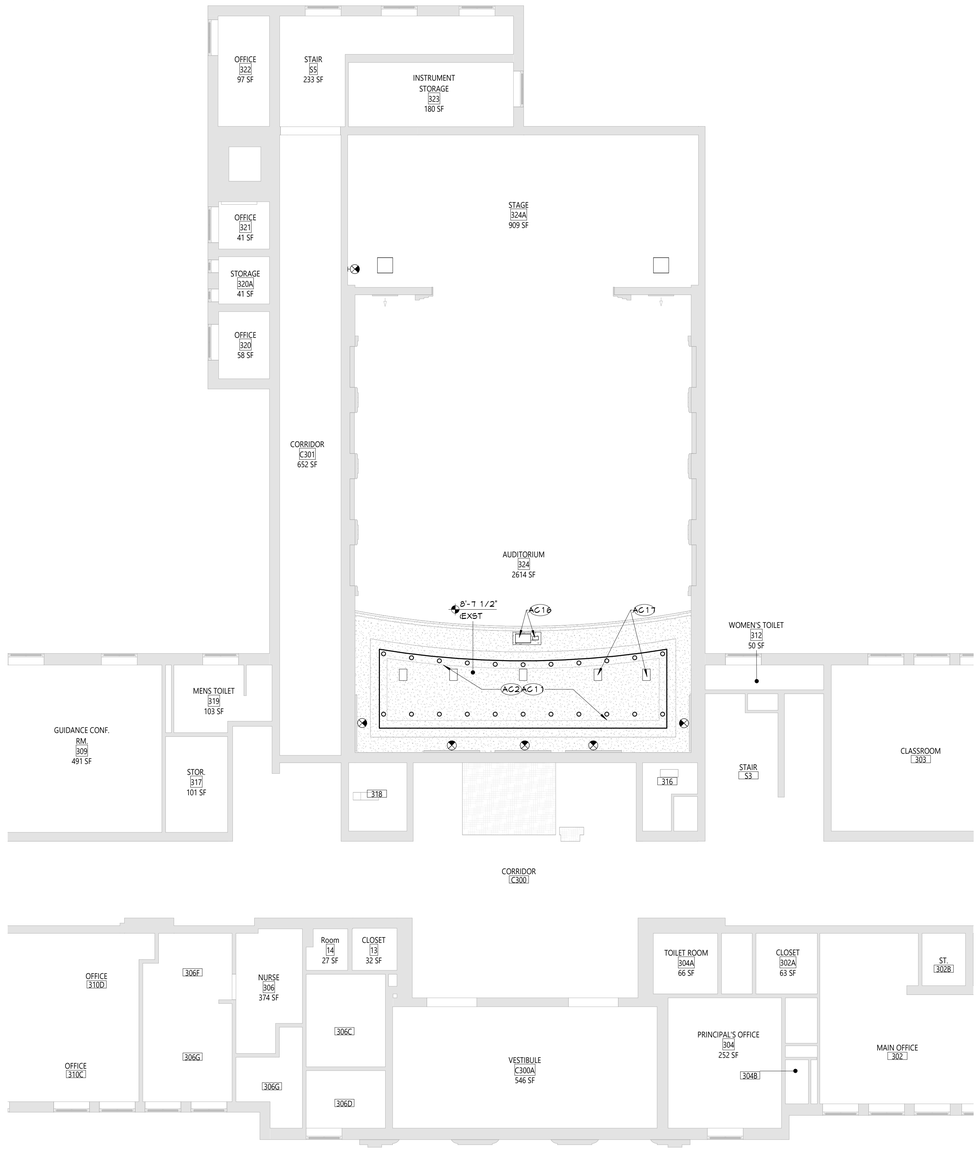
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Checked By:	VA
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Sheet Title
SECOND FLOOR REFLECTED CEILING PLAN

Sheet No.
NFA A821

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 NEW WORK- REFLECTED CEILING PLAN THIRD FLOOR - AUDITORIUM

A831 1/8" = 1'-0"

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING LEGEND

- EXISTING GWB/PLASTER CEILING TO REMAIN
- GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING TO REMAIN
- ACOUSTICAL CEILING TILE, REINSTALL SALVAGE
- X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (S) CEILING MOUNTED SMOKE DETECTOR
- (H) CEILING MOUNTED HEAT DETECTOR
- (S) CEILING MOUNTED PA SPEAKER
- (J) CEILING MOUNTED SECURITY J-BOX
- MS CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

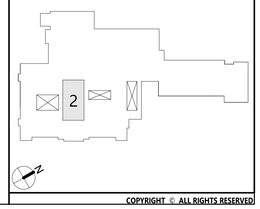
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

(#)	DESCRIPTION
AC2	PATCH AREAS OF PLASTER CEILING AS REQUIRED. MATCH EXISTING FINISHED CEILING HEIGHTS. PROVIDE NEW PAINT FINISH, PREP, PATCH, PRIME AS REQUIRED.
AC11	PROVIDE AND INSTALL NEW HOUSE LIGHT FIXTURES. SEE ELECRICAL DRAWINGS.
AC16	REFER TO ELECTRICAL AND THEATRICAL DESIGN DRAWINGS FOR NEW WORK.
AC17	PROVIDE (5) 12"X16" ACCESS HATCH PANELS WITH SECURED DOOR. REFER TO SPECS

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PECKHAM STATE OF NEW YORK 019888

REGISTRATION EXPIRATION DATE 12/31/2026

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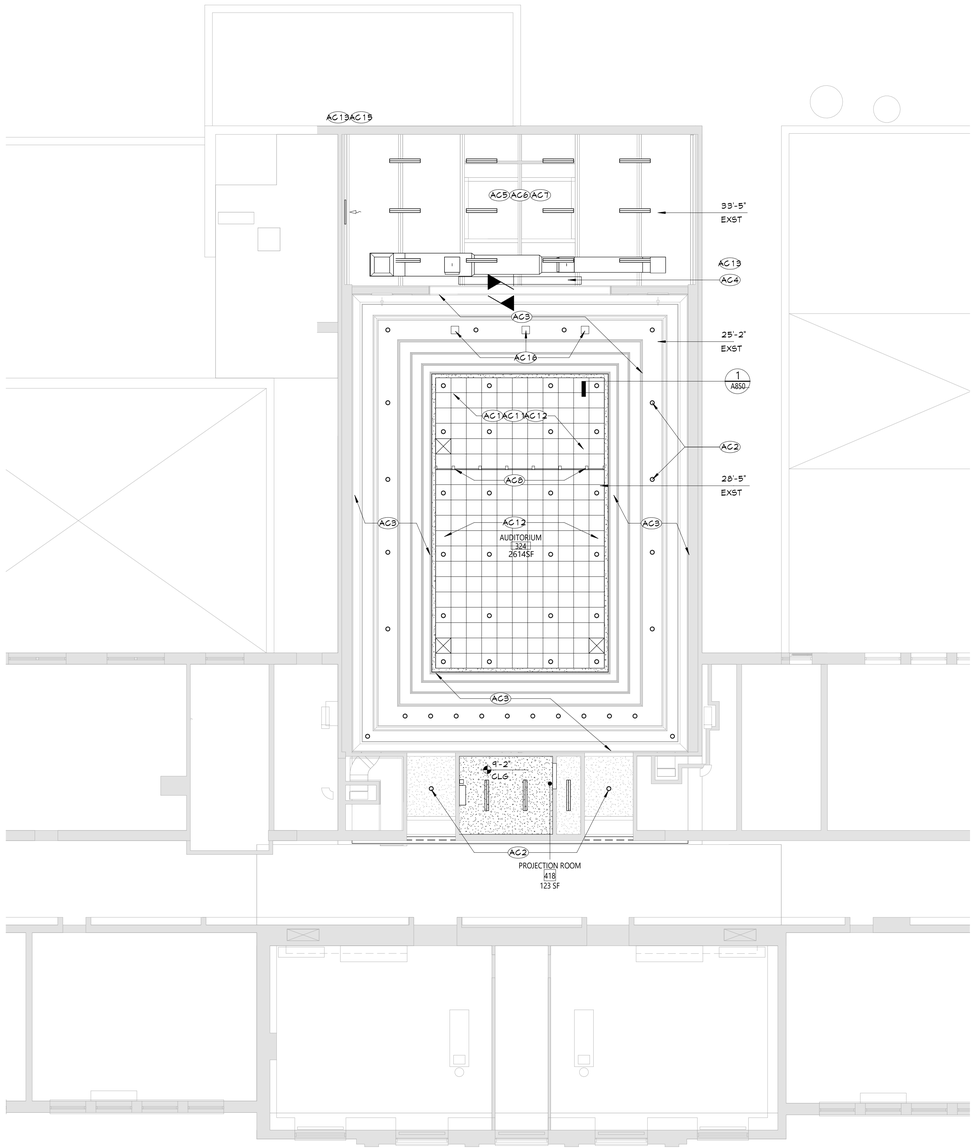
THIRD FLOOR REFLECTED CEILING PLAN

Sheet No.

NFA A831

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 NEW WORK REFLECTED CEILING PLAN FOURTH FLOOR - AUDITORIUM
A841 1/8" = 1'-0"

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING LEGEND

- EXISTING GWB/PLASTER CEILING TO REMAIN
- GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING TO REMAIN
- ACOUSTICAL CEILING TILE, REINSTALL SALVAGE
- X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- DS CEILING MOUNTED OCCUPANCY SENSOR
- S CEILING MOUNTED SMOKE DETECTOR
- H CEILING MOUNTED HEAT DETECTOR
- S CEILING MOUNTED PA SPEAKER
- J CEILING MOUNTED SECURITY J-BOX
- MS CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

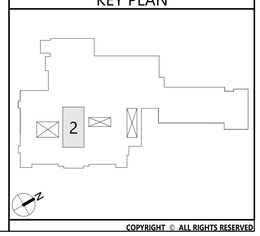
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

(#)	DESCRIPTION
AC1	PROVIDE NEW 2X2 TEGULAR ACT AND SUSPENDED GRID CEILING SYSTEM. CEILING SYSTEM SUPPORTS TO EXTEND TO UNDERSIDE OF EXISTING STRUCTURE. SEE SPECS FOR ADDITIONAL INFORMATION.
AC2	PATCH AREAS OF PLASTER CEILING AS REQUIRED. MATCH EXISTING FINISHED CEILING HEIGHTS. PROVIDE NEW PAINT FINISH. PREP, PATCH, PRIME AS REQUIRED.
AC3	PROTECT EXISTING PERIMETER PLASTER CORNICE DURING NEW WORK. PROVIDE NEW PAINT FINISH. PREP, PATCH, PRIME AS REQUIRED.
AC4	PROVIDE AND INSTALL NEW PROJECTION SCREEN. COORDINATE WITH ELECTRICAL DRAWINGS FOR CONNECTIONS AND RIGGING DRAWINGS.
AC5	NEW RIGGING ASSOCIATED WITH THEATRICAL DRAPES AND LIGHTING. SEE SPECIFICATIONS AND LIGHTING DESIGN DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE WITH STRUCTURAL DRAWINGS.
AC6	NEW OVER STAGE THEATRICAL LIGHTS. SEE SPECIFICATIONS AND LIGHTING DESIGN DRAWINGS FOR ADDITIONAL INFORMATION AND RESPONSIBILITY MATRIX.
AC7	NEW INSTALLED THEATRICAL DRAPES. SEE SPECIFICATIONS AND LIGHTING DESIGN DRAWINGS FOR ADDITIONAL INFORMATION.
AC8	NEW INSTALLED FRONT OF HOUSE THEATRICAL LIGHTS AND ASSOCIATED UNISTRUT. SEE SPECIFICATIONS AND LIGHTING DESIGN DRAWINGS FOR ADDITIONAL INFORMATION AND RESPONSIBILITY MATRIX.
AC11	PROVIDE AND INSTALL NEW HOUSE LIGHT FIXTURES. SEE ELECRICAL DRAWINGS.
AC12	REFER TO ELECTRICAL DRAWINGS FOR ALL CEILING MOUNTED DEVICES.
AC13	SEE MECHANICAL DRAWINGS.
AC15	PATCH AND SEAL AROUND ALL NEWLY CREATED OPENINGS AT EXISTING ASSEMBLIES TO MAINTAIN FIRE RATING.
AC16	REFER TO ELECTRICAL AND THEATRICAL DESIGN DRAWINGS FOR NEW WORK.

KEY PLAN



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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PRESTIPINO 013884 STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

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Checked By:	VA
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Sheet Title

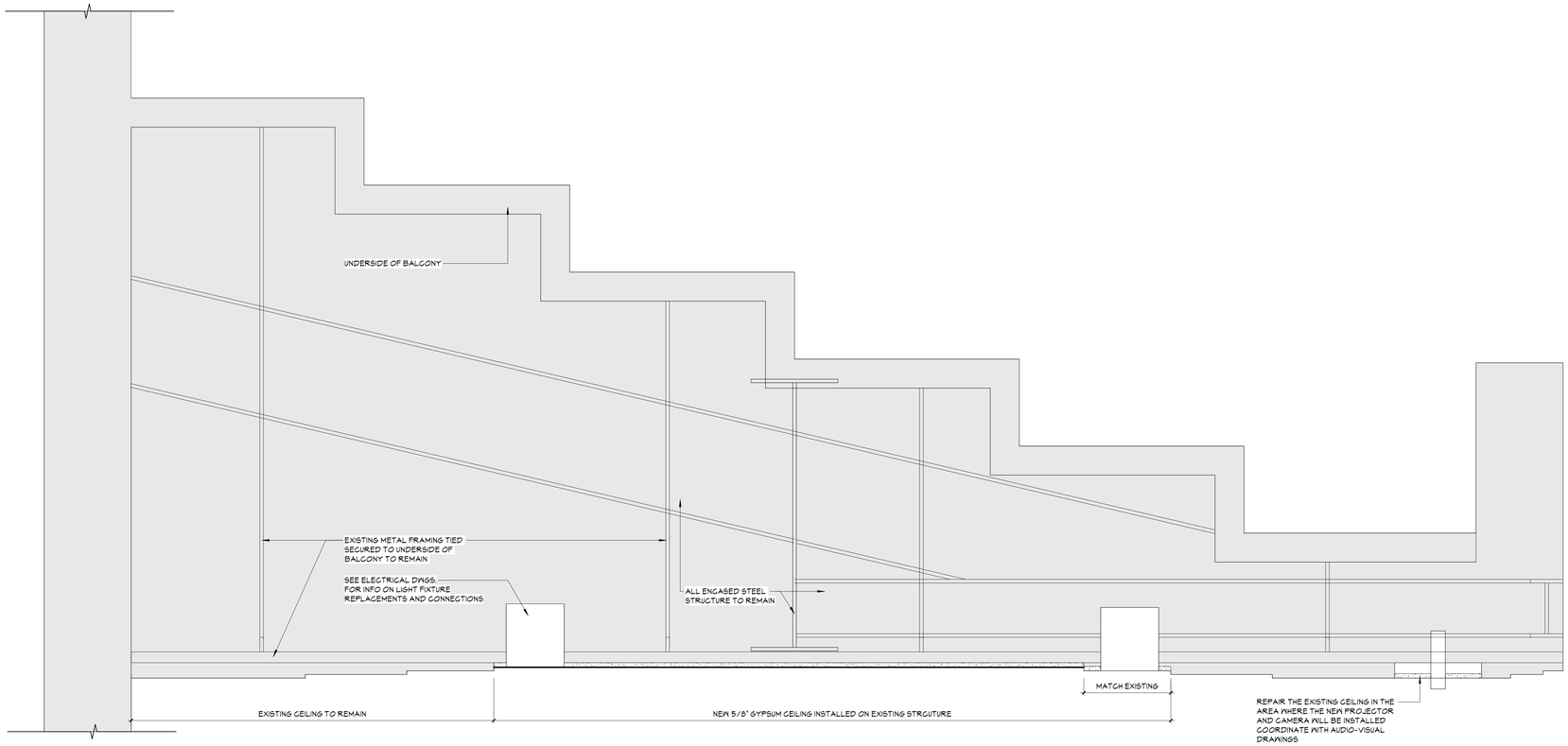
FOURTH FLOOR - REFLECTED CEILING PLAN

Sheet No.

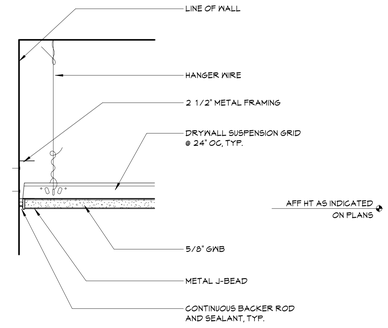
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CONSTRUCTION DOCUMENTS

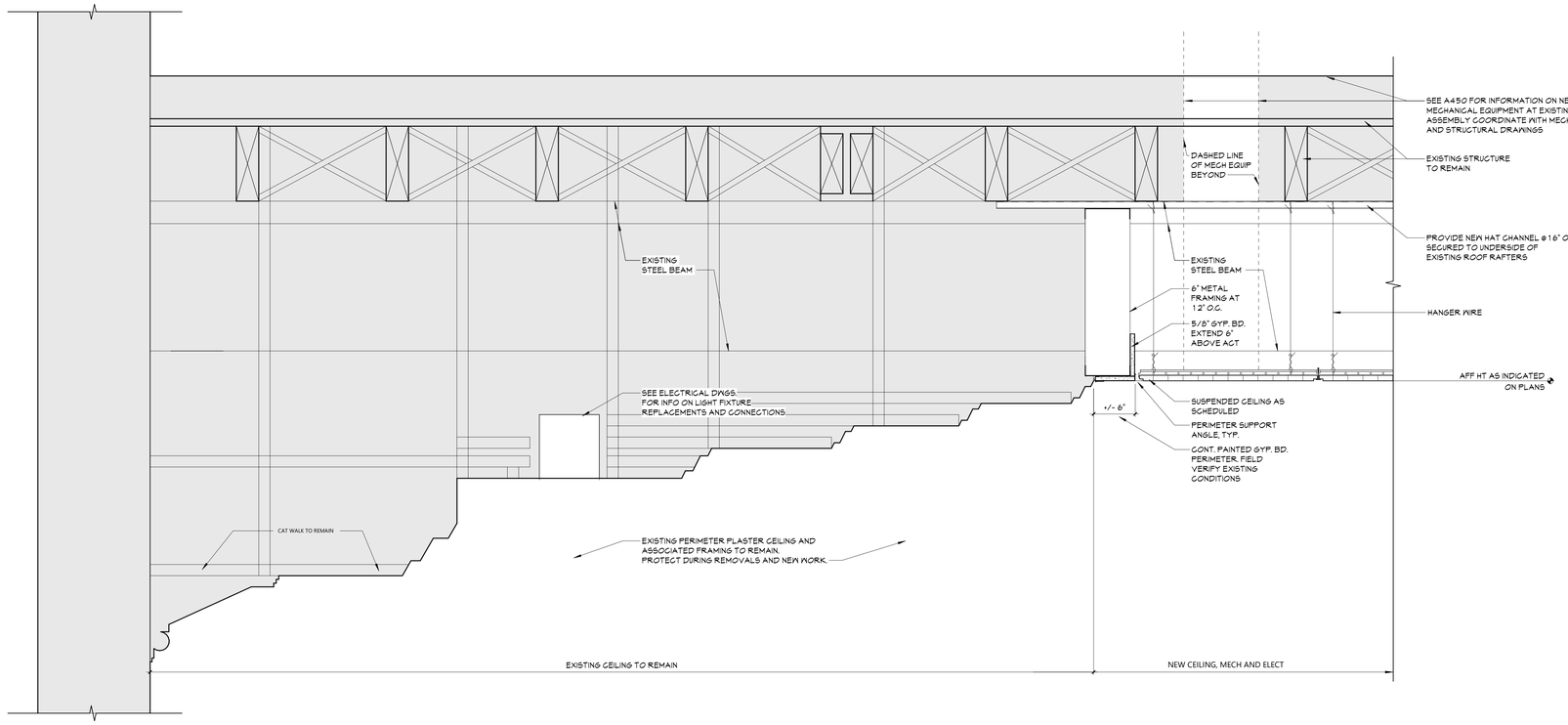
Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



2 CEILING DETAIL UNDERSIDE OF BALCONY
A850 1 1/2" = 1'-0"



3 CEILING DETAIL
A850 3" = 1'-0"



1 CEILING DETAIL
A850 1 1/2" = 1'-0"

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PROCHNOW 019884 STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

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Sheet Title

CEILING DETAILS

Sheet No.

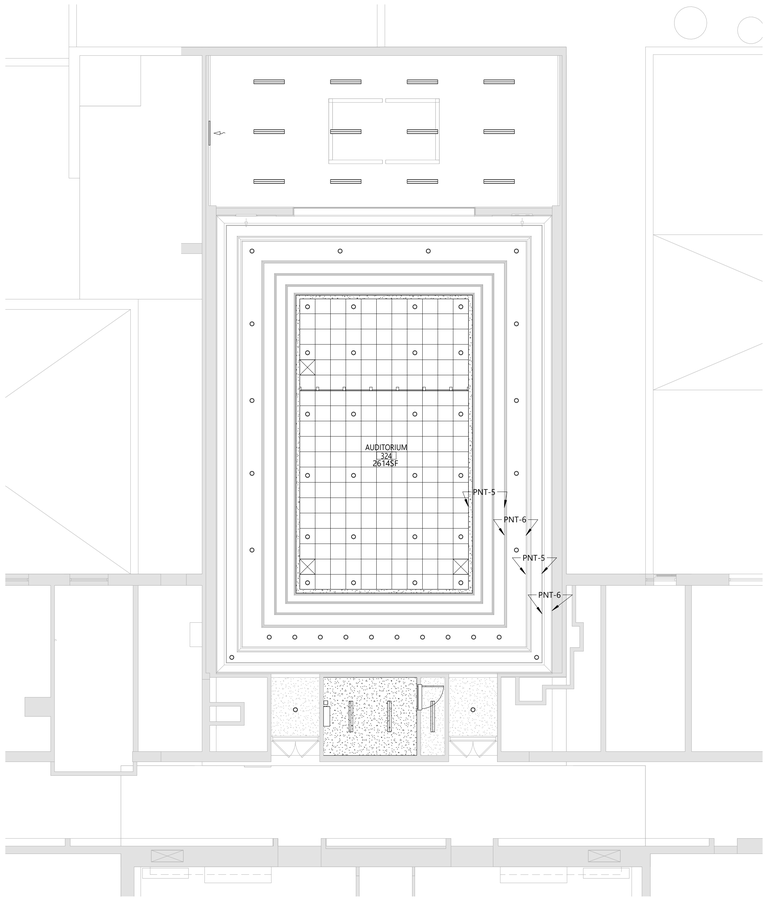
NFA A850

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-25SM NECSD NFA North Audi Reno/108-25SM NFA NORTH AUDI RENO.rvt

MATERIALS LEGEND					
MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
CARPET TILE					
CPT-1	TARKETT	11663 TUNDRA FLOWER	65410 PIGMENTED SEPIA	6' ROLL	TYP. FLOOR
FABRIC					
FAB-1	DULVATEX	FR701	144 EGG SHELL		FABRIC-WRAPPED ACOUSTIC PANELS @ BALCONY
FAB-2	DULVATEX	ANCHORAGE 2335	2079 GRAPHITE		FABRIC-WRAPPED ACOUSTIC PANELS @ PROJECTION
PAINT					
PNT-1	SHERWIN WILLIAMS	EGGSHELL	SW 7567 NATURAL TAN		PAINT @ UPPER WALL
PNT-2	SHERWIN WILLIAMS	EGGSHELL	SW 7547 SANDBAR		PAINT @ LOWER WALL AND TRIM
PNT-3	SHERWIN WILLIAMS	EGGSHELL	SW 9178 IN THE NAVY		ACCENT
PNT-4	SHERWIN WILLIAMS	ARMORSEAL EPOXY	SW 7018 DOVETAIL		FLOOR PAINT UNDER SEATS
PNT-5	SHERWIN WILLIAMS	FLAT	SW 7567 NATURAL TAN		CEILING @ AUDITORIUM AND STAIRWELL
PNT-6	SHERWIN WILLIAMS	FLAT	SW 7547 SANDBAR		CEILING @ AUDITORIUM
PNT-7	SHERWIN WILLIAMS	EGGSHELL	SW 6993 BLACK OF NIGHT		PROJECTION
PNT-8	SHERWIN WILLIAMS	FLAT	SW 6993 BLACK OF NIGHT		CEILING @ PROJECTION
PNT-9	SHERWIN WILLIAMS	SEMIGLOSS	SW 6993 BLACK OF NIGHT		WINDOW FRAME @ PROJECTION
PNT-10	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE	SW 7567 NATURAL TAN		GRILLES @ UPPER WALL - MATCH PNT-1
PNT-11	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE	SW 7547 SANDBAR		GRILLES @ LOWER WALL - MATCH PNT-2
PNT-12	SHERWIN WILLIAMS	SEMIGLOSS	SW 7567 NATURAL TAN		WINDOW FRAME @ BALCONY
PET FELT					
PET-1	ACOUFELT	BEVELED 12MM PANEL	FL64 FLINT	48" X 110"	
PLASTIC LAMINATE					
PLAM-1	WILSONART	PLASTIC LAMINATE	HANDSPUN SLATE		COUNTERS
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	TA4 GATEWAY WG	6"	BALCONY
RB-2	TARKETT	BASEWORKS	AS SELECTED FROM FULL RANGE OF COLOR BY ARCHITECT	MATCH EXISTING	AUDITORIUM - MATCH TO MARBLE BASE
STAGE CURTAIN					
SC-1	KM FABRICS	624 CHARISMA	NAVY		MAIN STAGE CURTAIN
STAIN					
WDS-1	SHERWIN WILLIAMS		AS SELECTED FROM FULL RANGE OF COLOR BY ARCHITECT		STAIN @ STAGE AND WOOD TRIM

ROOM FINISH SCHEDULE							
ROOM NUMBER	ROOM NAME	FLOOR		Wall Finish	Accent_Wall	CEILING	Comments
		FINISH	BASE				
324	AUDITORIUM	CPT-1/PNT-4	ETR/RB-2	PNT-1,2,3	PET-1	PNT-5,6	
324A	STAGE	WDS-1	ETR	ETR		ETR	
418	PROJECTION ROOM	PNT-4	RB-1	PNT-7		PNT-8	
418A	STAIR	PNT-4	RB-1	PNT-1		PNT-5	
420	BALCONY	CPT-1/PNT-4	RB-1	PNT-1	PNT-4	PNT-5	PNT-5 @ GYP. CEILING



1 NEW WORK REFLECTED CEILING PLAN FOURTH FLOOR - AUDITORIUM - FINISHES
AF001 1/8" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECTS BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAB	FABRIC
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MBS	MUSIC STORAGE SYSTEM
MNB	MARBLE WALL BASE
MWP	METAL WALL PANEL
PET	PET FELT
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SC	STAGE CURTAIN
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WDS	WOOD STAIN
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED, UNO.
4. REPAIR, PREP, AND PAINT WALLS WHERE REMOVAL OF EXISTING WALL BASE DAMAGES THE WALL SURFACE.
5. EXISTING MARBLE WALL BASE TO REMAIN.

FINISH KEYS



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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PROKOPEAK
013884
STATE OF NEW YORK

REGISTRATION EXPIRATION DATE 12/31/2026

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CSArch Proj. #:	108-2504
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Sheet Title

MATERIAL SCHEDULE AND RCP

Sheet No.

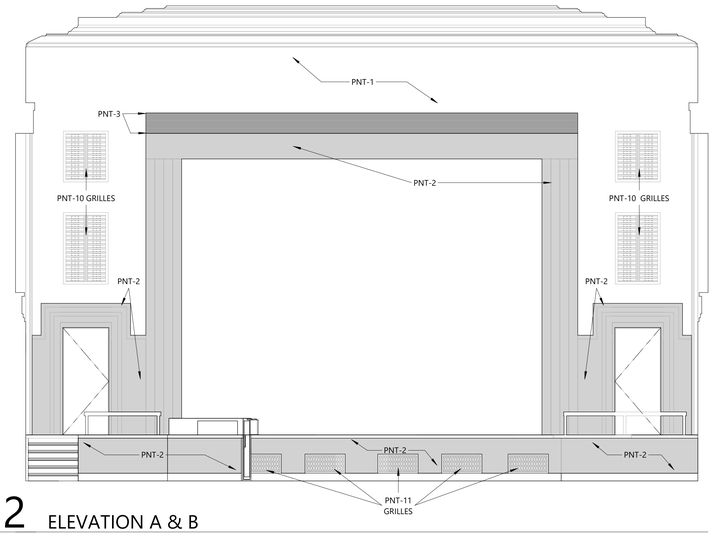
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CONSTRUCTION DOCUMENTS

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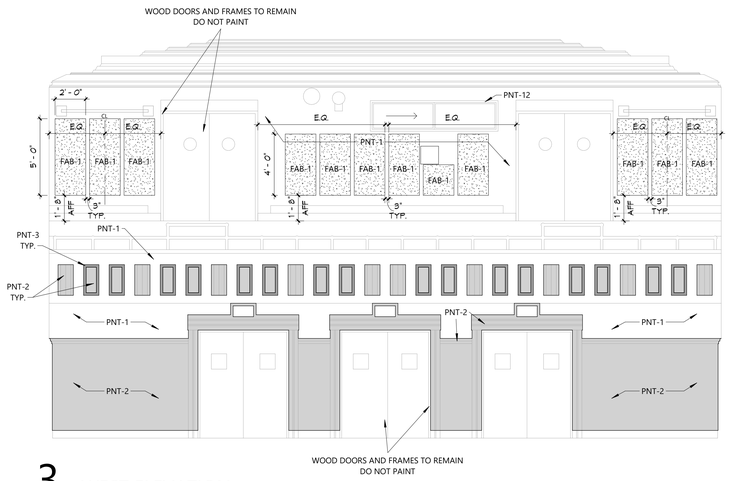
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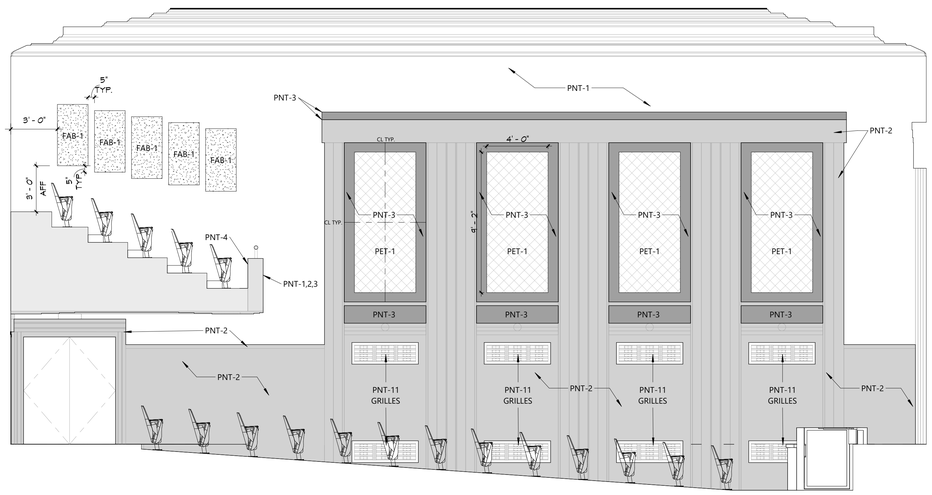


2 ELEVATION A & B
AF002 1/4" = 1'-0"





3 WEST ELEVATION
AF002 1/4" = 1'-0"



1 ELEVATION 1
AF002 1/4" = 1'-0"

DISCLAIMER NOTE

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ABBREVIATIONS

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PCON	POLISHED CONCRETE
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PLAS	PLASTER
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RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SC	STAGE CURTAIN
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
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VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WDS	WOOD STAIN
WGM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED, UNO.
4. REPAIR, PREP, AND PAINT WALLS WHERE REMOVAL OF EXISTING WALL BASE DAMAGES THE WALL SURFACE.
5. EXISTING MARBLE WALL BASE TO REMAIN.

FINISH KEYS

Room Name
101
Wall Finish
Base Finish
Floor Finish
= FINISH TAG

PNT-#
= ACCENT PAINT LOCATION

= CPT-1

= PNT-4

PAINT KEY

= PNT-1

= PNT-2

= PNT-3

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PROSPECT
019984
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION

Drawn By:	AP
Checked By:	Checker
Proj. #:	44-16-00-01-0-002-016
CSArch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title

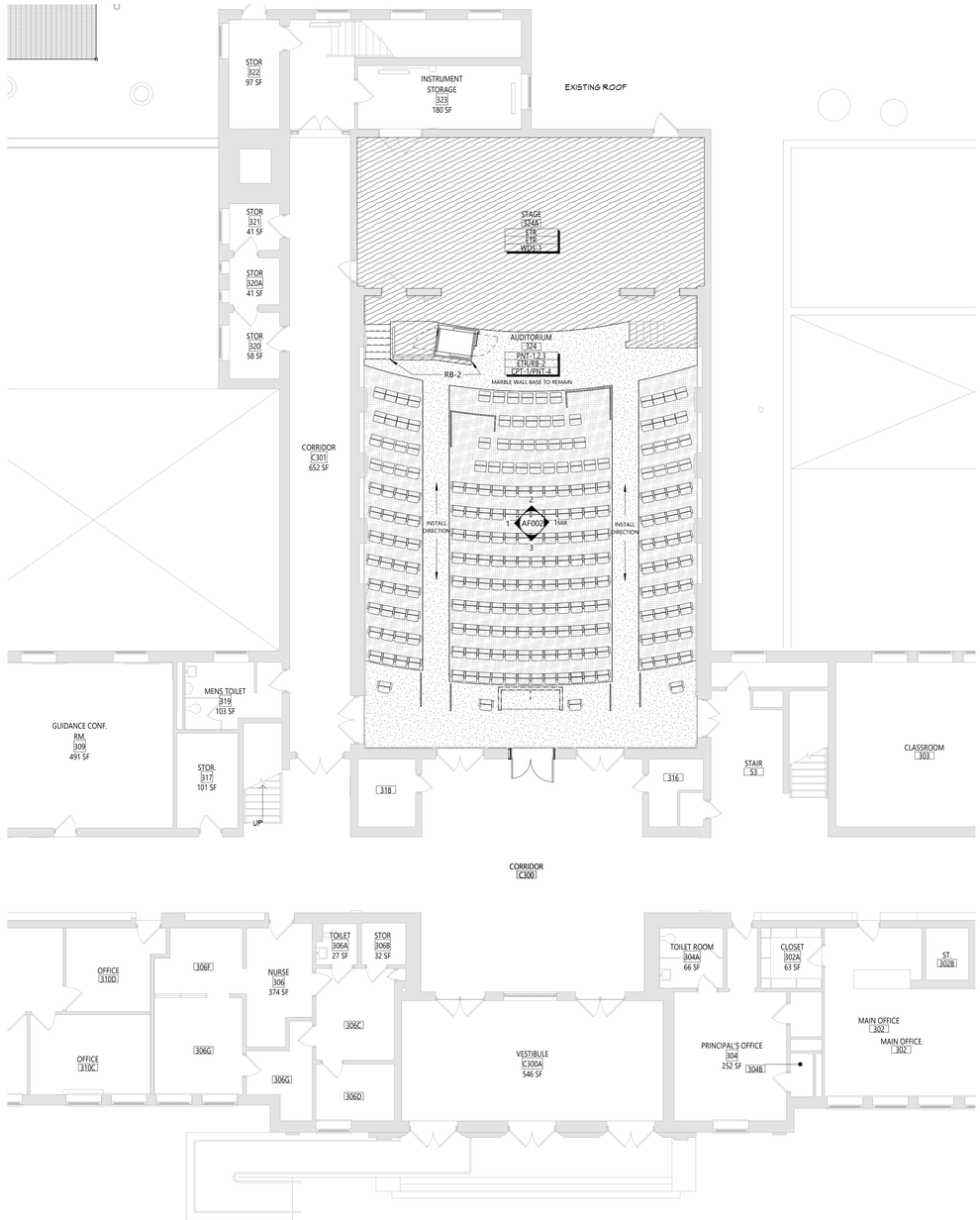
INTERIOR ELEVATIONS

Sheet No.

NFA
AF002

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 NEW WORK - PARTIAL THIRD FLOOR - AUDITORIUM

AF131 1/8" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECTS BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAB	FABRIC
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWB	MARBLE WALL BASE
MWP	METAL WALL PANEL
PET	PET FELT
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT athletic FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SC	STAGE CURTAIN
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WDS	WOOD STAIN
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED, UNO.
4. REPAIR, PREP, AND PAINT WALLS WHERE REMOVAL OF EXISTING WALL BASE DAMAGES THE WALL SURFACE.
5. EXISTING MARBLE WALL BASE TO REMAIN.

FINISH KEYS

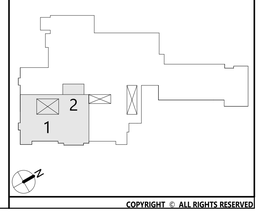
Room Name
101
Wall Finish
Base Finish
Floor Finish
- FINISH TAG

PNT-# - ACCENT PAINT LOCATION

- CPT-1

- PNT-4

KEY PLAN



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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

REGISTERED ARCHITECT
RICHARD L. PRESTON
019884
STATE OF NEW YORK
REGISTRATION EXPIRATION DATE 12/31/2026

#	DATE	DESCRIPTION
1	01/28/26	SED ADDENDUM 1

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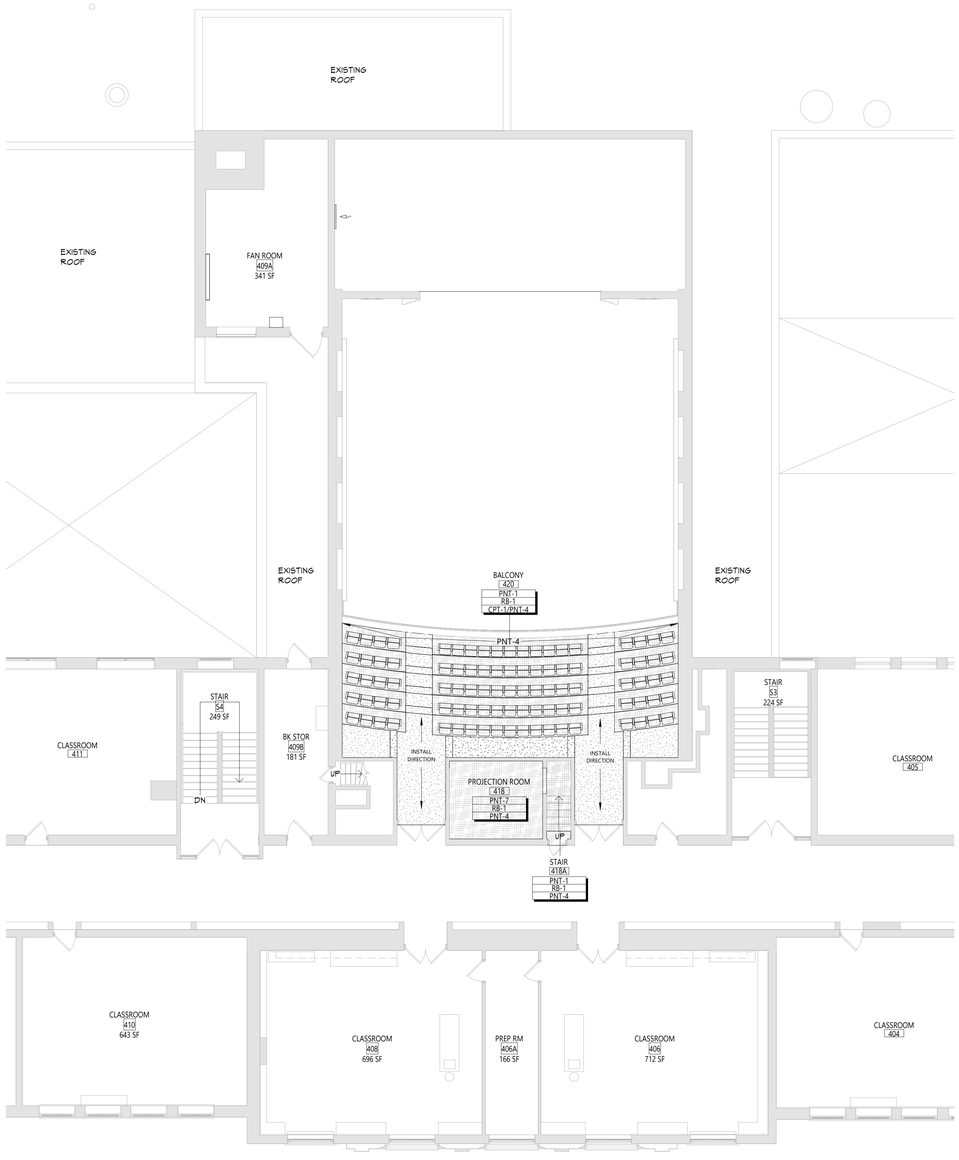
THIRD FLOOR FINISH PLAN

Sheet No.

NFA AF131

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt



1 NEW WORK - PARTIAL FOURTH FLOOR - BALCONY - FINISHES
AF141 1/8" = 1'-0"

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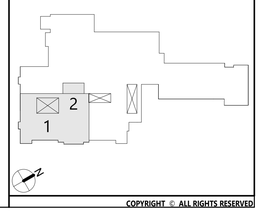
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KEY PLAN



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AUDITORIUM RENOVATION

REGISTERED ARCHITECT RICHARD L. PROKOPIK 019884 STATE OF NEW YORK

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FOURTH FLOOR FINISH PLANS

Sheet No.

NFA AF141

CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2504 NECSD NFA North Audi Reno/108-2504 NFA NORTH AUDI RENO.rvt

ABBREVIATIONS

HB	HOSE BIB
HC	HEATING COIL
HD	HEAD
HP	HORSEPOWER
HRWR	HEAT RECOVERY WATER RETURN
HV	HOSE VALVE
HVU	HEATING/VENTILATION UNIT
HW	HOT WATER
HWR	HEATING HOT WATER RETURN
ID	INSIDE DIAMETER
IMB	ICE MACHINE BOX
IN	INCH
INV	INVERT
IW	INDIRECT WASTE
IWC	INCHES OF WATER COLUMN
K	KETTLE
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS	POUNDS
LDR	LEADER
LF	LINEAR FOOT
LFT	LEAVING FLUID TEMPERATURE
LPG	LIQUEFIED PETROLEUM GAS
LRA	LOCKED ROTOR AMPERES
LVC	LABORATORY VACUUM
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MFW	MECHANICAL FEED WATER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPS	MEDIUM PRESSURE STEAM (16-59 PSIG)
MSB	MOP SINK BASIN
NC	NORMALLY CLOSED; NEW CONNECTION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFGH	NON-FREEZE GROUND HYDRANT
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFRH	NON-FREEZE ROOF HYDRANT
NFWH	NON-FREEZE WALL HYDRANT
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
O2	OXYGEN
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OS&Y	OUTSIDE SPINDLE & YOKE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OVF	OVERFLOW
OWS	OIL WATER SEPARATOR
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PDI	PLUMBING AND DRAINAGE INSTITUTE
PE	POLYETHYLENE
PEX	CROSS LINKED POLYETHYLENE
PFHX	PLATE & FRAME HEAT EXCHANGER
PG	PRESSURE GAUGE
PH	PHASE
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
POC	POINT OF CONNECTION
PPR	POLYPROPYLENE RANDOM
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH WATER GAUGE
PT	PRESSURE TANK
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RD	ROOF DRAIN
RECIRC	RECIRCULATION
RFM	RADIANT FLOOR MANIFOLD
RM	ROOM
RP	RADIANT PANEL
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE ASSEMBLY
RTU	ROOFTOP UNIT
RWH	RECESSED WALL HYDRANT
SA	SUPPLY AIR
SAN	SANITARY WASTE
SF	SQUARE FEET
SH	SHOWER
SK	SINK
SP	SUBMERSIBLE PUMP
SS	SAFETY SHOWER
ST	STORM
STHX	SHELL & TUBE HEAT EXCHANGER
TD	TRENCH DRAIN
THRU	THROUGH
TMS	THERMOSTATIC MIXING STATION
TMV	THERMOSTATIC MIXING VALVE
TS	TAMPER SWITCH
TW	TEPID WATER
TYP	TYPICAL
UD	UTILITY DISTRIBUTION
UG	UNDERGROUND
UH	UNIT HEATER
UR	URINAL
UV	UNIT VENTILATOR
V	VENT
VB	VACUUM BREAKER
VFD	VARIABLE FREQUENCY DRIVE
VLV	VALVE
VTR	VENT THRU ROOF
W	WASTE
WB	WET BULB TEMPERATURE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WD	WASHER/DRYER
WF	WASH FOUNTAIN
WG	WATER GAUGE
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WMB	WASHER MACHINE BOX
WOG	WATER OIL GAS

ABBREVIATIONS

3BS	3 BAY SINK
AAV	AIR ADMITTANCE VALVE
ABS	ACRYLONITRILE BUTADIENE STYRENE
ABV	ABOVE
AC	AIR COMPRESSOR
ACU	AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
ADA	AMERICAN WITH DISABILITIES ACT
ADT	ACID DILUTION TANK
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGA	AMERICAN GAS ASSOCIATION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMP	AMPERE(S)
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ACID NEUTRALIZATION TANK
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AT	AIR TERMINAL UNIT
AV	ACID VENT
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BCU	BLOWER COIL UNIT
BEL	BELOW
BF	BARRIER FREE
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BFP	BACK FLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BPHX	BRAISED PLATE HEAT EXCHANGER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BWV	BACK WATER VALVE
CA	COMPRESSED AIR
CB	CATCH BASIN
CD	CONDENSATE
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CI	CAST IRON
CISPI	CAST IRON SOIL PIPE INSTITUTE
CLG	CEILING
CO	CLEAN OUT
CON	CONDENSATE
CONV	CONVECTOR
COP	CLEAN OUT PLUG
COV	COMBINATION OVEN
CPVC	CHLORINATED POLYVINYL CHLORIDE
CTW	COOLING TOWER
CTE	CONNECT TO EXISTING
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CWP	COLD WORKING PRESSURE
CWR	CONDENSER WATER RETURN
CWV	COMBINATION WASTE AND VENT
DB	DECIBELS
DDC	DIRECT DIGITAL CONTROLS
DCA	DOUBLE CHECK ASSEMBLY
DEG	DEGREE(S)
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT(S)
DHR	DOMESTIC HOT WATER RECIRCULATION
DIA	DIAMETER
DN	DOWN
DR	DISH RETURN
DRP	DOMESTIC RECIRCULATION PUMP
DRS	DISH RETURN WITH SINK
DS	DOWN SPOUT
DW	DISH WASHER
DWV	DRAINAGE, WASTE AND VENT
DWET	DOMESTIC WATER EXPANSION TANK
DWH	DOMESTIC WATER HEATER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECM	ELECTRONICALLY COMMUTATED MOTOR
ELEV	ELEVATION
EF	EXHAUST FAN
EFT	ENTERING FLUID TEMPERATURE
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ERW	ENERGY RECOVERY WHEEL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETMV	EMERGENCY THERMOSTATIC MIXING VALVE
EUH	ELECTRIC UNIT HEATER
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EXR	EXISTING TO REMAIN
F	FAN
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FGE	FINISHED GRADE ELEVATION
FLA	FULL LOAD AMPERES
FLR	FLOOR
FP	FIRE PROTECTION
FPD	FLUID PRESSURE DROP
FPM	FEET PER MINUTE
FRAC	FRACTIONAL
FS	FLOOR SINK
FT	FEET
FTH	FEET HEAD
FTR	FIN TUBE RADIATOR
GA	GAUGE
GAL	GALLON(S)
GALV	GALVANIZE(D)
GCO	GRADE CLEAN OUT
GEN	GENERATOR
GM	GAS METER
GPC	GALLONS PER CYCLE
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GT	GREASE TRAP
GV	GRAVITY VENTILATOR
GW	GREASE WASTE

GENERAL NOTES

1. THOROUGHLY COORDINATE ALL WORK ASSOCIATED WITH ALL DEVICES FURNISHED BY AND WORK EXECUTED BY "OTHER" CONTRACTORS.
2. BEFORE SUBMITTING SHOP DRAWINGS, VERIFY VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT WITH ELECT. CONTRACTOR. VERIFY PROVISION OF ALL STARTERS & DISCONNECT SWITCHES.
3. BEFORE ROUGHING-IN WALLS, THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND ARCHITECT, THE LOCATIONS OF ALL THERMOSTATS AND SWITCHES.
4. BEFORE FABRICATING ANY DUCTWORK, COORDINATE LOCATION AND SIZE WITH PLUMBING PIPING, ELECTRICAL CONDUITS, RECESSED LIGHT FIXTURES, SPRINKLER PIPES, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. ALSO SEE SPECIFICATIONS. VERIFY LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. VERIFY FINAL LOCATIONS WITH THE ARCHITECT.
5. ALL CONDUITS, PIPING & DUCTWORK SHALL BE CONCEALED ABOVE CEILINGS AND IN CHASES, UNLESS NOTED OTHERWISE. CONDUITS, PIPING AND DUCTWORK SHALL BE ROUTED THROUGH & BETWEEN BAR JOISTS & BETWEEN BEAMS (WITH OFFSETS AS NEEDED) WHERE REQUIRED BY SPACE RESTRICTIONS AND MATERIALS PROVIDED BY OTHER CONTRACTORS.
6. PROVIDE RADIUS ELBOWS AT ALL CHANGES IN DIRECTION IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHERE POSSIBLE, AS PER THE SCHEMATIC DETAILS. WHERE CONDITIONS DO NOT PERMIT THE USE OF RADIUS ELBOWS, SQUARE ELBOWS SHALL BE USED WITH TURNING VANES. TURNING VANES SHALL BE AIRFOIL TYPE, ONLY, IN ACCORDANCE WITH SMACNA DETAILS.
7. PROVIDE MANUAL VOLUME DAMPER IN LOW PRESSURE BRANCH SUPPLY, RETURN OR EXHAUST DUCTS TO EACH GRILLE, DIFFUSER, REGISTER, ETC. UNLESS NOTED OTHERWISE (WHERE BRANCH DUCT IS LOCATED ABOVE HARD CEILING, PROVIDE O.B.D. IN AIR TERMINAL DEVICES.) DAMPER SHALL BE AS CLOSE TO MAIN DUCT AS POSSIBLE. PROVIDE MANUAL VOLUME DAMPERS AT OTHER LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY SPECIFICATIONS. SEE SCHEMATIC DUCT DETAILS ON THE DRAWINGS. PROVIDE ACCESS TO ALL DAMPER QUADRANT LOCKS.
8. MECHANICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH THE DIMENSIONS OF THE CHASE WALLS, WITH OTHER CONTRACTORS, AND WITH THE GEN. CONTRACTOR. TO PROVIDE ADEQUATE CLEARANCES FOR ELBOWS, MITERED TEES, FIRE DAMPER SLEEVES, ETC., AS REQ'D. FOR FIRE PENETRATION SEALANTS OR DAMPERS.
9. INSTALL ALL DUCTS THRU ALL 1-HOUR, 2-HOUR, & 4-HOUR RATED WALLS AND ALL SMOKE PARTITIONS TO LEAVE A MINIMUM OF 2 INCHES ABOVE THE DUCTS, SUCH THAT THE GENERAL CONTRACTOR CAN SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCT THROUGH RATED WALLS OR SMOKE PARTITIONS.
10. ALL FIRE DAMPERS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH THE MFR'S. & U.L. LISTING AND INSTALLATION INSTRUCTIONS. DAMPERS SHALL HAVE SPECIFIC U.L. LISTING FOR THE CONSTRUCTION IN WHICH THEY ARE INSTALLED. PROVIDE FIRE DAMPERS WITH BLADES OUT OF THE AIRSTREAM IN HIGH & MEDIUM PRESSURE DUCTS, AND ALL LOW PRESSURE DUCTS THAT ARE 10 INCHES, OR LESS, IN HEIGHT OR WIDTH. PROVIDE STATIC FIRE DAMPERS IN AIR SYSTEMS THAT SHUTDOWN ON SMOKE DETECTION. PROVIDE DYNAMIC FIRE DAMPERS IN AIR SYSTEMS THAT OPERATE FOR SMOKE REMOVAL.
11. PROVIDE HINGED ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, UPSTREAM HEATING COILS, SMOKE DETECTORS, AND OTHER ITEMS REQUIRING MAINTENANCE. DUCT ACCESS DOORS MIN. 14"x14" OR 14"x DUCT SIZE -2". WHERE ACCESS DOOR IS ABOVE A HARD (INACCESSIBLE) CEILING, PROVIDE 24"x24" ACCESS DOOR IN CEILING (MILCOR STYLE DW, MOD. 3203-019 OR APPROVED EQUAL)
12. PIPE, CONDUIT AND DUCT OPENINGS THROUGH WALLS AND SLABS AROUND AND ABOVE MECHANICAL EQUIPMENT ROOMS SHALL BE PACKED WITH MINERAL WOOL AND SEALED.
13. ALL PIPING, CONDUIT AND DUCT OPENINGS IN RATED PARTITIONS AND FLOORS SHALL BE SEALED PER THE SPECIFICATIONS AND FIRE PENETRATION SYSTEM SCHEDULE.
14. PROVIDE ESCUTCHEON PLATES WHERE DUCTS OR PIPES PENETRATE CEILINGS OR WALLS IN FINISHED AREAS & WHERE EXPOSED TO VIEW. ESCUTCHEONS FOR DUCTS SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS DUCT. PIPE ESCUTCHEONS SHALL BE CHROME-PLATED BRASS.
15. ALL DUCT SIZES SHOWN REPRESENT THE FREE AREA OF THE DUCT.
16. PROVIDE ALL AUXILIARY STEEL REQUIRED FOR PIPING AND EQUIPMENT SUPPORT.
17. ROUND BRANCH DUCT CONNECTIONS TO TRUNK DUCTWORK SHALL BE BELLMOUTH CONFIGURATIONS, EXCEPT DUCTWORK DOWNSTREAM OF VARIABLE VOLUME TERMINAL UNITS MAY HAVE SPIN-IN TAPS WITH VOLUME DAMPERS.
18. MOUNT ALL THERMOSTATS, CO2 SENSORS AND SWITCHES AT 48" ABOVE FINISHED FLOOR TO THE CENTERLINE OF THE OPERABLE PART OF MECHANISM (NOT TO BOTTOM OF UNIT).
19. ALL CONCRETE EQUIPMENT PADS ARE TO BE 6" THICK AND EXTEND 6" BEYOND THE BASE OF THE UNIT/UNITS IT SERVES.

SYSTEM ABBREVIATIONS

—CD—	CONDENSATE
—CHWR—	CHILLED WATER RETURN
—CHWS—	CHILLED WATER SUPPLY
—CWR—	CONDENSER WATER RETURN
—CWS—	CONDENSER WATER SUPPLY
—DTR—	DUAL TEMPERATURE RETURN
—DTS—	DUAL TEMPERATURE SUPPLY
—E—	EXHAUST
—FOR—	FUEL OIL RETURN
—FOS—	FUEL OIL SUPPLY
—GCHWR—	GLYCOL CHILLED WATER RETURN
—GCHWS—	GLYCOL CHILLED WATER SUPPLY
—GHWR—	GLYCOL HOT WATER RETURN
—GHWS—	GLYCOL HOT WATER SUPPLY
—HWM—	MAKE-UP WATER
—HPS—	HIGH PRESSURE STEAM
—HRWR—	HEAT RECOVERY WATER RETURN
—HRWS—	HEAT RECOVERY WATER SUPPLY
—HWR—	HEATING HOT WATER RETURN
—HWS—	HEATING HOT WATER SUPPLY
—LPS—	LOW PRESSURE STEAM
—MPS—	MEDIUM PRESSURE STEAM
—RL—	REFRIGERANT LIQUID
—RS—	REFRIGERANT SUCTION
—RV—	REFRIGERANT RELIEF VENT
—SCD—	STEAM CONDENSATE
—DCW—	DOMESTIC COLD WATER
—DHW—	DOMESTIC HOT WATER
—DHR—	DOMESTIC HOT WATER RECIRC
—HW140—	DOMESTIC 140 HOT WATER
—HWR140—	DOMESTIC 140 HOT WATER RECIRC
—FP—	FIRE SUPPRESSION
—NG—	NATURAL GAS
—LPG—	PROPANE
—OIL—	OIL
—SAN—	SANITARY WASTE
—ST—	STORM
—V—	VENT
—TW—	TEMPERED WATER
—TWR—	TEMPERED WATER RECIRCULATION
—VAC—	VACUUM
—AV—	ACID VENT
—AW—	ACID WASTE
—LCA—	LABORATORY COMPRESSED AIR
—LVAC—	LABORATORY VACUUM
—LV—	LABORATORY VENT
—LW—	LABORATORY WASTE

SYMBOLS

	PROPOSED WORK (THICK LINE)
	EXISTING (HALFTONE, THIN LINE)
	DEMOLITION WORK (DASHED, THICK LINE)
	POINT OF CONNECT/DISCONNECT
	CONTINUATION
OS	OCCUPANCY SENSOR
S	SWITCH
B	BOILER SHUT DOWN
G	EMERGENCY GAS SHUT DOWN
GS	GAS SENSOR
CD	CARBON DIOXIDE SENSOR
CM	CARBON MONOXIDE SENSOR
PS	PRESSURE SENSOR
TS	TEMPERATURE SENSOR
T	THERMOSTAT
H	HUMIDISTAT
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	MANUAL BALANCING VALVE
	PIC VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	SOLENOID VALVE
	STRAINER
	STRAINER WITH BLOWDOWN BALL VALVE
	UNION
	MANUAL AIR VENT
	TRIPLE DUTY VALVE
	FLOW DIRECTION
	INLINE PUMP
	AUTOMATIC AIR VENT
	PRESSURE GAUGE
	THERMOMETER
	PETES PLUG
	PLUG VALVE
	THERMOSTATIC BALANCING VALVE
	THERMOSTATIC MIXING VALVE
M	WATER METER
	GATE VALVE
	HOSE END BALL VALVE
	OS&Y VALVE
	SUCTION DIFFUSER

SYMBOLS

	CONTROL WIRING - INTERCONNECTION
F	FLOW METER
FS	FLOW SWITCH
LW	LOW WATER CUTOFF
P	PRESSURE SENSOR
FT	FLUID TEMPERATURE SENSOR
M	MOISTURE SENSOR
AF	AIR FLOW MEASURING STATION
FZ	FREEZSTAT
H	HUMIDITY SENSOR
SD	SMOKE DETECTOR
SP	STATIC PRESSURE SENSOR
T	TEMPERATURE SENSOR
	FACE AND BYPASS DAMPER
	MOTORIZED DAMPER
	MOTORIZED DAMPER - MIXED AIR
HW	COIL - HOT WATER
PHW	COIL - PUMPED HOT WATER
CW	COIL - CHILLED WATER
HW/CW	COIL - DUAL TEMP
DX	COIL - DX
RF	FAN - RETURN
SF	FAN - SUPPLY
EF	FAN - EXHAUST
RF/EF	FAN - RETURN/EXHAUST
FURNACE	FURNACE

POINTS

AI/AF	ANALOG IN - AIR FLOW
AI/AT	ANALOG IN - AIR TEMPERATURE
AI/DPS	ANALOG IN - DIFFERENTIAL PRESSURE SENSOR
AI/FM	ANALOG IN - FLOW METER
AI/FT	ANALOG IN - FLUID TEMPERATURE
AI/H	ANALOG IN - HUMIDITY
AI/FP	ANALOG IN - WATER PRESSURE
AI/ZSA	ANALOG IN - ZONE SETPOINT ADJUST
AO/D	ANALOG OUT - DAMPER
AO/FCV	ANALOG OUT - FLOW CONTROL VALVE
AO/GV	ANALOG OUT - GAS VALVE
AO/PI	ANALOG OUT - PRESSURE INDICATOR
AO/SP	ANALOG OUT - SPEED
AO/TCV	ANALOG OUT - TEMPERATURE CONTROL VALVE
BI/AC	BINARY IN - ALARM CONTACT
BI/CA	BINARY IN - COMMON ALARM
BI/DES	BINARY IN - DAMPER END SWITCH
BI/F	BINARY IN - FAULT
BI/FL	BINARY IN - FLOW
BI/FR	BINARY IN - FREEZSTAT
BI/LSH	BINARY IN - LEVEL SWITCH HIGH
BI/LSL	BINARY IN - LEVEL SWITCH LOW
BI/LWCO	BINARY IN - LOW WATER CUT OFF
BI/M	BINARY IN - MOISTURE SENSOR
BI/SD	BINARY IN - SMOKE DETECTOR
BI/ST	BINARY IN - STATUS
BO/D	BINARY OUT - DAMPER
BO/E	BINARY OUT - ENABLE
BO/MIV	BINARY OUT - MOTORIZED ISOLATION VALVE
BO/OC	BINARY OUT - OPEN/CLOSE COMMAND
BO/SS	BINARY OUT - START/STOP

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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



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Sheet Title

GENERAL NOTES, LEGENDS AND ABBREVIATIONS

Sheet No.

NFA DJ000

CONSTRUCTION DOCUMENTS

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4 FINNED TUBE
DJ101 NTS

3 HEAT PUMP
DJ101 NTS

2 STEAM HEATING COIL
DJ101 NTS

1 AUDITORIUM
DJ101 NTS

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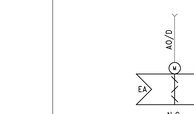
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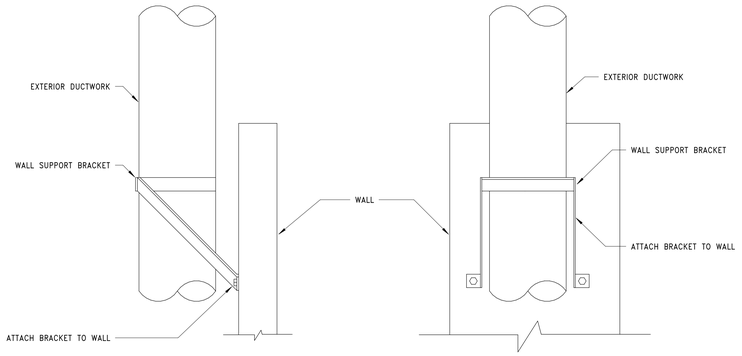
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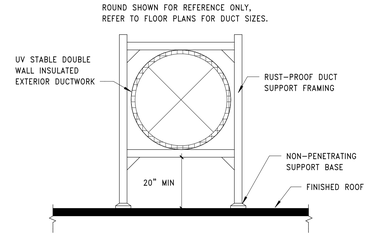
CONSTRUCTION DOCUMENTS



ROUND SHOWN FOR REFERENCE ONLY, REFER TO FLOOR PLANS FOR DUCT SIZES.

2 EXTERIOR WALL MOUNTED DUCT DETAIL

MG000 NTS



NOTES:
1. SECURE DUCTWORK TO SUPPORT FRAMING ACCORDING TO SPECIFICATIONS AND IN ACCORDANCE WITH SMACNA STANDARDS.
2. PROVIDE WATERSHED TOP AND OUTDOOR WATER PROOF CLADDING.

1 ROOFTOP DUCT SUPPORT DETAIL

MG000 NTS

GENERAL NOTES

1. THOROUGHLY COORDINATE ALL WORK ASSOCIATED WITH ALL DEVICES FURNISHED BY AND WORK EXECUTED BY "OTHER" CONTRACTORS.

2. BEFORE SUBMITTING SHOP DRAWINGS, VERIFY VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT WITH ELECT. CONTRACTOR. VERIFY PROVISION OF ALL STARTERS & DISCONNECT SWITCHES.

3. BEFORE ROUGHING-IN WALLS, THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND ARCHITECT, THE LOCATIONS OF ALL THERMOSTATS AND SWITCHES.

4. BEFORE FABRICATING ANY DUCTWORK, COORDINATE LOCATION AND SIZE WITH PLUMBING PIPING, ELECTRICAL CONDUITS, RECESSED LIGHT FIXTURES, SPRINKLER PIPES, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. ALSO SEE SPECIFICATIONS. VERIFY LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. VERIFY FINAL LOCATIONS WITH THE ARCHITECT.

5. ALL CONDUITS, PIPING & DUCTWORK SHALL BE CONCEALED ABOVE CEILINGS AND IN CHASES, UNLESS NOTED OTHERWISE. CONDUITS, PIPING AND DUCTWORK SHALL BE ROUTED THROUGH & BETWEEN BAR JOISTS & BETWEEN BEAMS (WITH OFFSETS AS NEEDED) WHERE REQUIRED BY SPACE RESTRICTIONS AND MATERIALS PROVIDED BY OTHER CONTRACTORS.

6. PROVIDE RADIUS AT ELBOWS AT ALL CHANGES IN DIRECTION IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHERE POSSIBLE, AS PER THE SCHEMATIC DETAILS. WHERE CONDITIONS DO NOT PERMIT THE USE OF RADIUS ELBOWS, SQUARE ELBOWS SHALL BE USED WITH TURNING VANES. TURNING VANES SHALL BE AIRFOIL TYPE, ONLY, IN ACCORDANCE WITH SMACNA DETAILS.

7. PROVIDE MANUAL VOLUME DAMPER IN LOW PRESSURE BRANCH SUPPLY, RETURN OR EXHAUST DUCTS TO EACH GRILLE, DIFFUSER, REGISTER, ETC. UNLESS NOTED OTHERWISE (WHERE BRANCH DUCT IS LOCATED ABOVE HARD CEILING, PROVIDE O.B.D. IN AIR TERMINAL DEVICES.) DAMPER SHALL BE AS CLOSE TO MAIN DUCT AS POSSIBLE. PROVIDE MANUAL VOLUME DAMPERS AT OTHER LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY SPECIFICATIONS. SEE SCHEMATIC DUCT DETAILS ON THE DRAWINGS. PROVIDE ACCESS TO ALL DAMPER QUADRANT LOCKS.

8. MECHANICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH THE DIMENSIONS OF THE CHASE WALLS, WITH OTHER CONTRACTORS, AND WITH THE GEN. CONTRACTOR. TO PROVIDE ADEQUATE CLEARANCES FOR ELBOWS, MITERED TEES, FIRE DAMPER SLEEVES, ETC., AS REQ'D. FOR FIRE PENETRATION SEALANTS OR DAMPERS.

9. INSTALL ALL DUCTS THRU ALL 1-HOUR, 2-HOUR, & 4-HOUR RATED WALLS AND ALL SMOKE PARTITIONS TO LEAVE A MINIMUM OF 2 INCHES ABOVE THE DUCTS, SUCH THAT THE GENERAL CONTRACTOR CAN SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCT THROUGH RATED WALLS OR SMOKE PARTITIONS.

10. ALL FIRE DAMPERS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH THE MFR'S. & U.L. LISTING AND INSTALLATION INSTRUCTIONS. DAMPERS SHALL HAVE SPECIFIC U.L. LISTING FOR THE CONSTRUCTION IN WHICH THEY ARE INSTALLED. PROVIDE FIRE DAMPERS WITH BLADES OUT OF THE AIRSTREAM IN HIGH & MEDIUM PRESSURE DUCTS, AND ALL LOW PRESSURE DUCTS THAT ARE 10 INCHES, OR LESS, IN HEIGHT OR WIDTH. PROVIDE STATIC FIRE DAMPERS IN AIR SYSTEMS THAT SHUTDOWN ON SMOKE DETECTION. PROVIDE DYNAMIC FIRE DAMPERS IN AIR SYSTEMS THAT OPERATE FOR SMOKE REMOVAL.

11. PROVIDE HINGED ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, UPSTREAM HEATING COILS, SMOKE DETECTORS, AND OTHER ITEMS REQUIRING MAINTENANCE. WHERE ACCESS DOOR IS ABOVE A HARD (INACCESSIBLE) CEILING, PROVIDE 24"x24" ACCESS DOOR IN CEILING (MILCOR STYLE DW, MOD. 3203-019 OR APPROVED EQUAL)

12. PIPE, CONDUIT AND DUCT OPENINGS THROUGH WALLS AND SLABS AROUND AND ABOVE MECHANICAL EQUIPMENT ROOMS SHALL BE PACKED WITH MINERAL WOOL AND SEALED.

13. ALL PIPING, CONDUIT AND DUCT OPENINGS IN RATED PARTITIONS AND FLOORS SHALL BE SEALED PER THE SPECIFICATIONS AND FIRE PENETRATION SYSTEM SCHEDULE.

14. PROVIDE ESCUTCHEON PLATES WHERE DUCTS OR PIPES PENETRATE CEILINGS OR WALLS IN FINISHED AREAS & WHERE EXPOSED TO VIEW. ESCUTCHEONS FOR DUCTS SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS DUCT. PIPE ESCUTCHEONS SHALL BE CHROME-PLATED BRASS.

15. ALL DUCT SIZES SHOWN REPRESENT THE FREE AREA OF THE DUCT.

16. PROVIDE ALL AUXILIARY STEEL REQUIRED FOR PIPING AND EQUIPMENT SUPPORT.

17. ROUND BRANCH DUCT CONNECTIONS TO TRUNK DUCTWORK SHALL BE BELLMOUTH CONFIGURATIONS, EXCEPT DUCTWORK DOWNSTREAM OF VARIABLE VOLUME TERMINAL UNITS MAY HAVE SPIN-IN TAPS WITH VOLUME DAMPERS.

18. MOUNT ALL THERMOSTATS, CO2 SENSORS AND SWITCHES AT 48" ABOVE FINISHED FLOOR TO THE CENTERLINE OF THE OPERABLE PART OF MECHANISM (NOT TO BOTTOM OF UNIT).

19. ALL CONCRETE EQUIPMENT PADS ARE TO BE 6" THICK AND EXTEND 6" BEYOND THE BASE OF THE UNIT/UNITS IT SERVES.

20. THE ANNULAR SPACE AROUND PENETRATING DUCT IS PROTECTED WITH AN APPROVED NONCOMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION.

SYMBOLS

	PROPOSED WORK (THICK LINE)
	EXISTING (HALFTONE, THIN LINE)
	DEMOLITION WORK (DASHED, THICK LINE)
	POINT OF CONNECT/DISCONNECT
	CONTINUATION
	SUPPLY DUCT RISE
	RETURN DUCT RISE
	EXHAUST DUCT RISE
	DUCT WORK
	LINED DUCTS
	FLEX DUCT
	RISE UP
	DROP DOWN
	T UP
	T DOWN
S	SWITCH
B	BOILER SHUT DOWN
G	EMERGENCY GAS SHUT DOWN
GS	GAS SENSOR
CO2	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
PS	PRESSURE SENSOR
TS	TEMPERATURE SENSOR
T	THERMOSTAT
H	HUMIDISTAT
	FIRE DAMPER
	FIRE/SMOKE DAMPER
	SMOKE DAMPER
	DUCT SMOKE DETECTOR
	MOTORIZED DAMPER
	VOLUME DAMPER
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	MANUAL BALANCING VALVE
	PIC VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	SOLENOID VALVE
	STRAINER
	STRAINER WITH BLOWDOWN BALL VALVE
	UNION
	MANUAL AIR VENT
	TRIPLE DUTY VALVE
>	FLOW DIRECTION
	INLINE PUMP
	AUTOMATIC AIR VENT
	PRESSURE GAUGE
	THERMOMETER
	PETES PLUG

FIRE SEPARATION LEGEND

	1 HOUR RATED FIRE PARTITION
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE WALL

SYSTEM ABBREVIATIONS

—CD—	CONDENSATE
—CHWR—	CHILLED WATER RETURN
—CHWS—	CHILLED WATER SUPPLY
—CWR—	CONDENSER WATER RETURN
—CWS—	CONDENSER WATER SUPPLY
—DCW—	DOMESTIC COLD WATER
—DTR—	DUAL TEMPERATURE RETURN
—DTS—	DUAL TEMPERATURE SUPPLY
—E—	EXHAUST
—FOR—	FUEL OIL RETURN
—FOS—	FUEL OIL SUPPLY
—GCHWR—	GLYCOL CHILLED WATER RETURN
—GCHWS—	GLYCOL CHILLED WATER SUPPLY
—GHWR—	GLYCOL HOT WATER RETURN
—GHWS—	GLYCOL HOT WATER SUPPLY
—HMW—	MAKE-UP WATER
—HPS—	HIGH PRESSURE STEAM
—HRWR—	HEAT RECOVERY WATER RETURN
—HRWS—	HEAT RECOVERY WATER SUPPLY
—HWR—	HEATING HOT WATER RETURN
—HWS—	HEATING HOT WATER SUPPLY
—LPS—	LOW PRESSURE STEAM
—MPS—	MEDIUM PRESSURE STEAM
—RL/RS—	REFRIGERANT LINESET
—RL—	REFRIGERANT LIQUID
—RS—	REFRIGERANT SUCTION
—RV—	REFRIGERANT RELIEF VENT
—SCD—	STEAM CONDENSATE

ABBREVIATIONS

ACU	AIR CONDITIONING UNIT
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
ARCH	ARCHITECT / ARCHITECTURAL
AS	AIR SEPARATOR
AT	AIR TERMINAL UNIT
BAS	BUILDING AUTOMATION SYSTEM
BCC	BRANCH CIRCUIT CONTROLLER
BCU	BLOWER COIL
B	BOILER
BHP	BRAKE HORSEPOWER
BPHX	BRAISED PLATE HEAT EXCHANGER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CON	CONDENSATE
CONV	CONVECTOR
CTW	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DB	DECIBELS
DDC	DIRECT DIGITAL CONTROLS
DS	DUCT SILENCER
DWET	DOMESTIC WATER EXPANSION TANK
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EFT	ENTERING FLUID TEMPERATURE
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ERW	ENERGY RECOVERY WHEEL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXR	EXISTING TO REMAIN
F	FAN
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERES
FOB	FLAT ON BOTTOM
FPD	FLUID PRESSURE DROP
FPM	FEET PER MINUTE
FTR	FIN TUBE RADIATOR
GPM	GALLONS PER MINUTE
GV	GRAVITY VENTILATOR
H	HUMIDIFIER
HC	HEATING COIL
HP	HORSEPOWER
HVU	HEATING/VENTILATION UNIT
IN	INCH
ISU	INDOOR SPLIT UNIT
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LFT	LEAVING FLUID TEMPERATURE
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED DAMPER
MFS	MAX FUSE SIZE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPS	MEDIUM PRESSURE STEAM (16-59 PSIG)
NOM	NOMINAL
OA	OUTSIDE AIR
ODP	OXYGEN DEPLETION SENSOR
P	PUMP
PD	PRESSURE DROP
PFHX	PLATE & FRAME HEAT EXCHANGER
PSIG	POUNDS PER SQUARE INCH WATER GAUGE
RA	RETURN AIR
RFM	RADIANT FLOOR MANIFOLD
RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SP	STATIC PRESSURE
STHX	SHELL & TUBE HEAT EXCHANGER
UH	UNIT HEATER
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME UNIT
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB TEMPERATURE
WG	WATER GAUGE

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GENERAL NOTES, LEGENDS AND ABBREVIATIONS

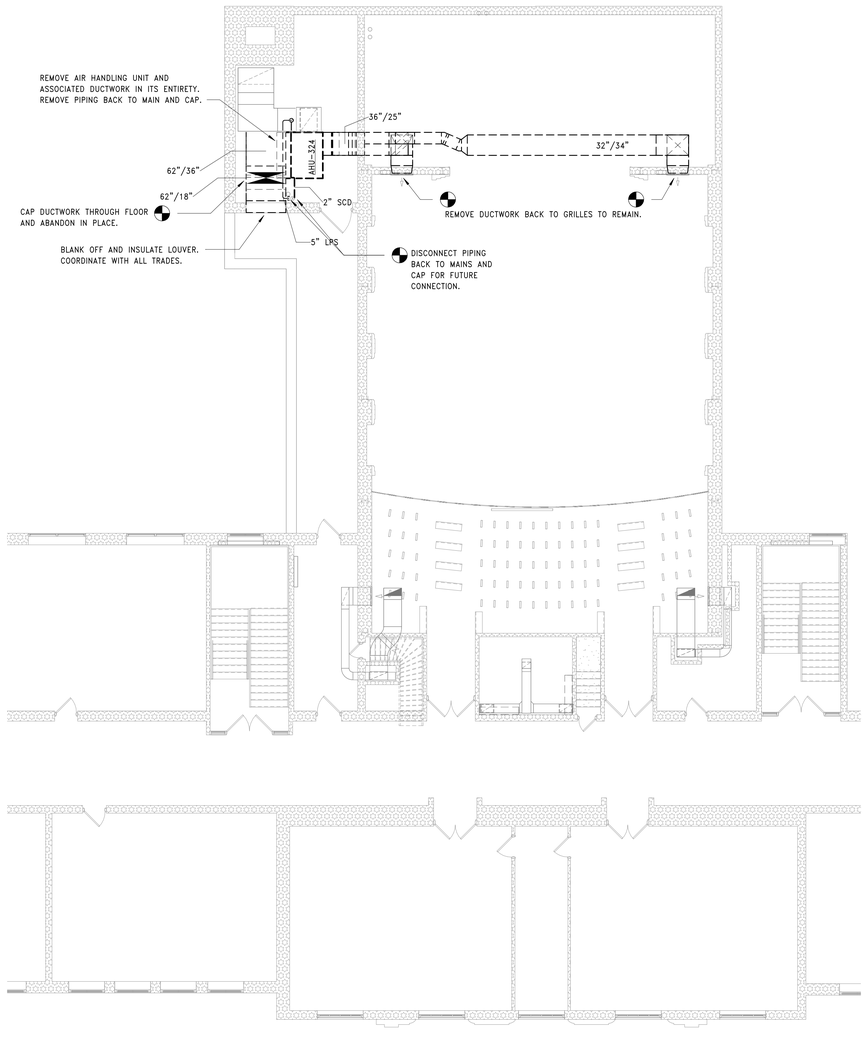
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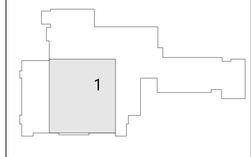
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1 FOURTH FLOOR DEMOLITION PLAN - AREA '1'
MD141 1/8" = 1'-0"

KEY NOTES

KEY PLAN



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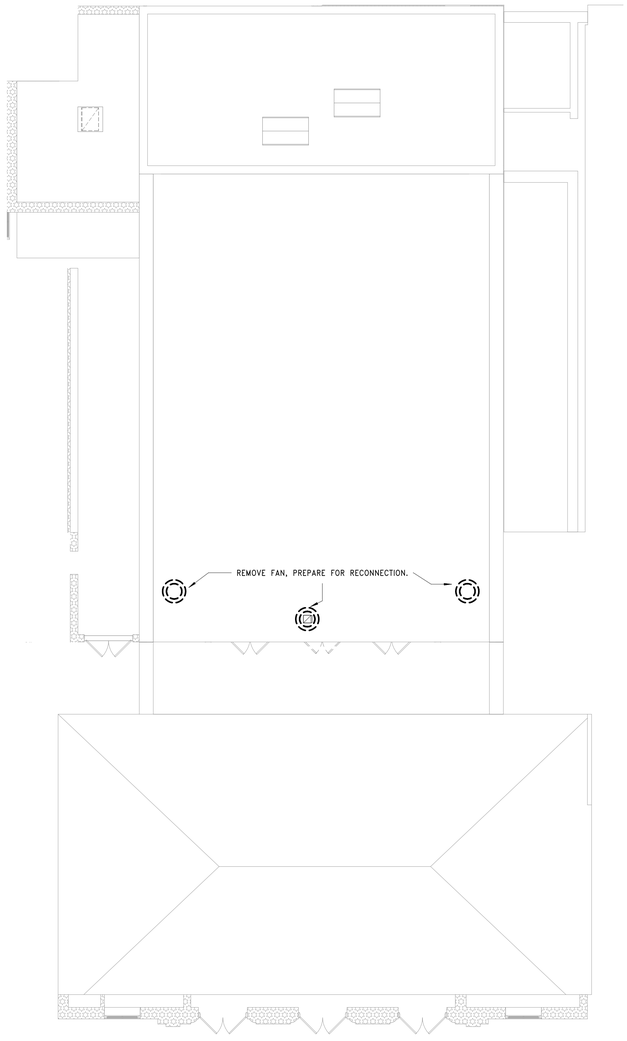
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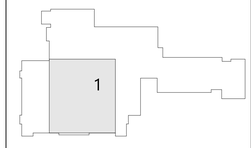
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1 ROOF DEMOLITION PLAN - AREA '1'
MD151 1/8" = 1'-0"

KEY NOTES

KEY PLAN



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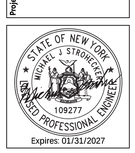
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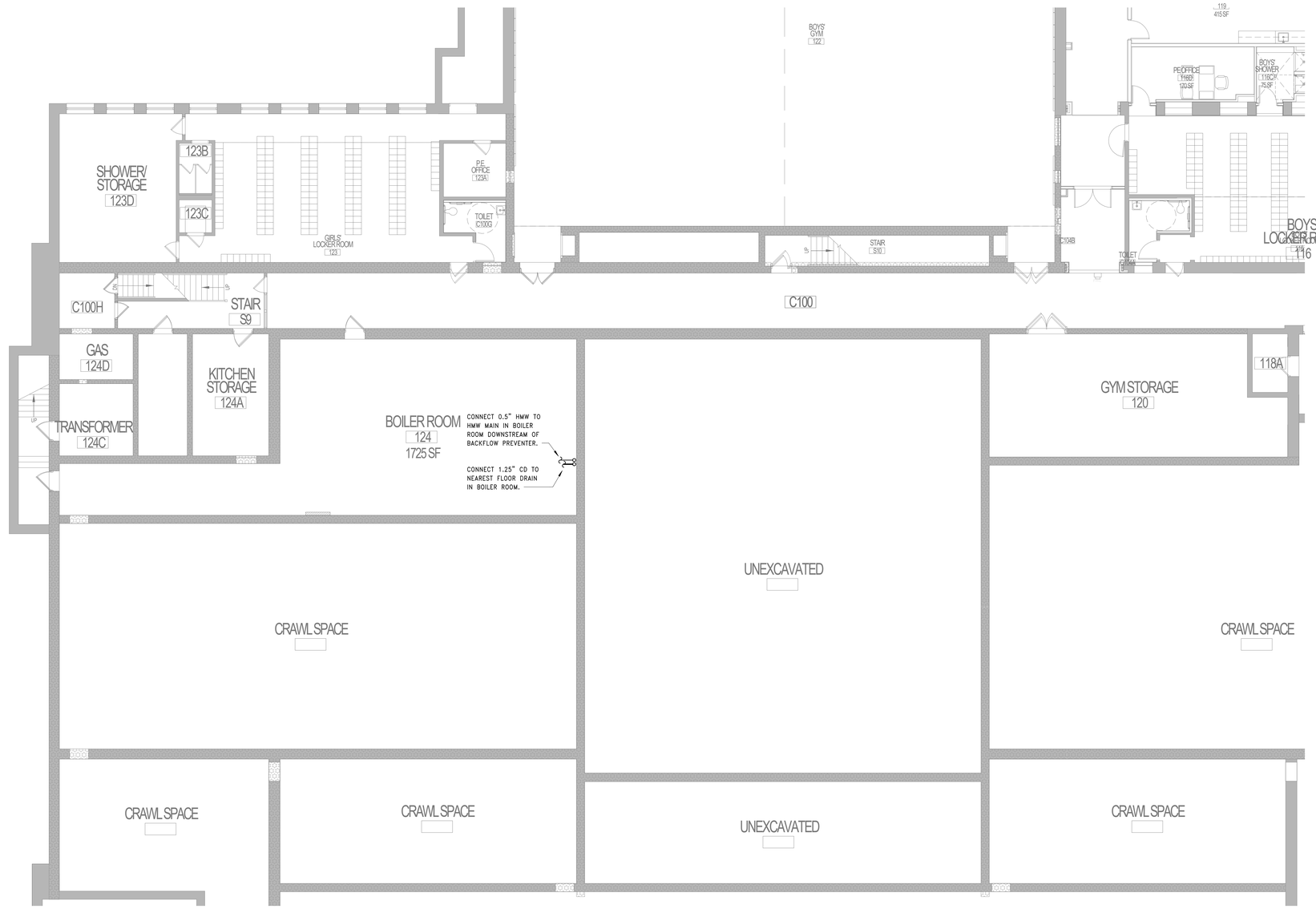
ROOF DEMOLITION PLAN - AREA '1'

Sheet No.

NFA
MD151

CONSTRUCTION DOCUMENTS

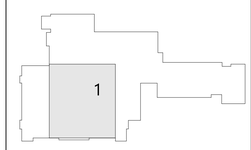
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1 FIRST FLOOR PLAN - AREA '1'
M111 1/8" = 1'-0"

KEY NOTES

KEY PLAN



N

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



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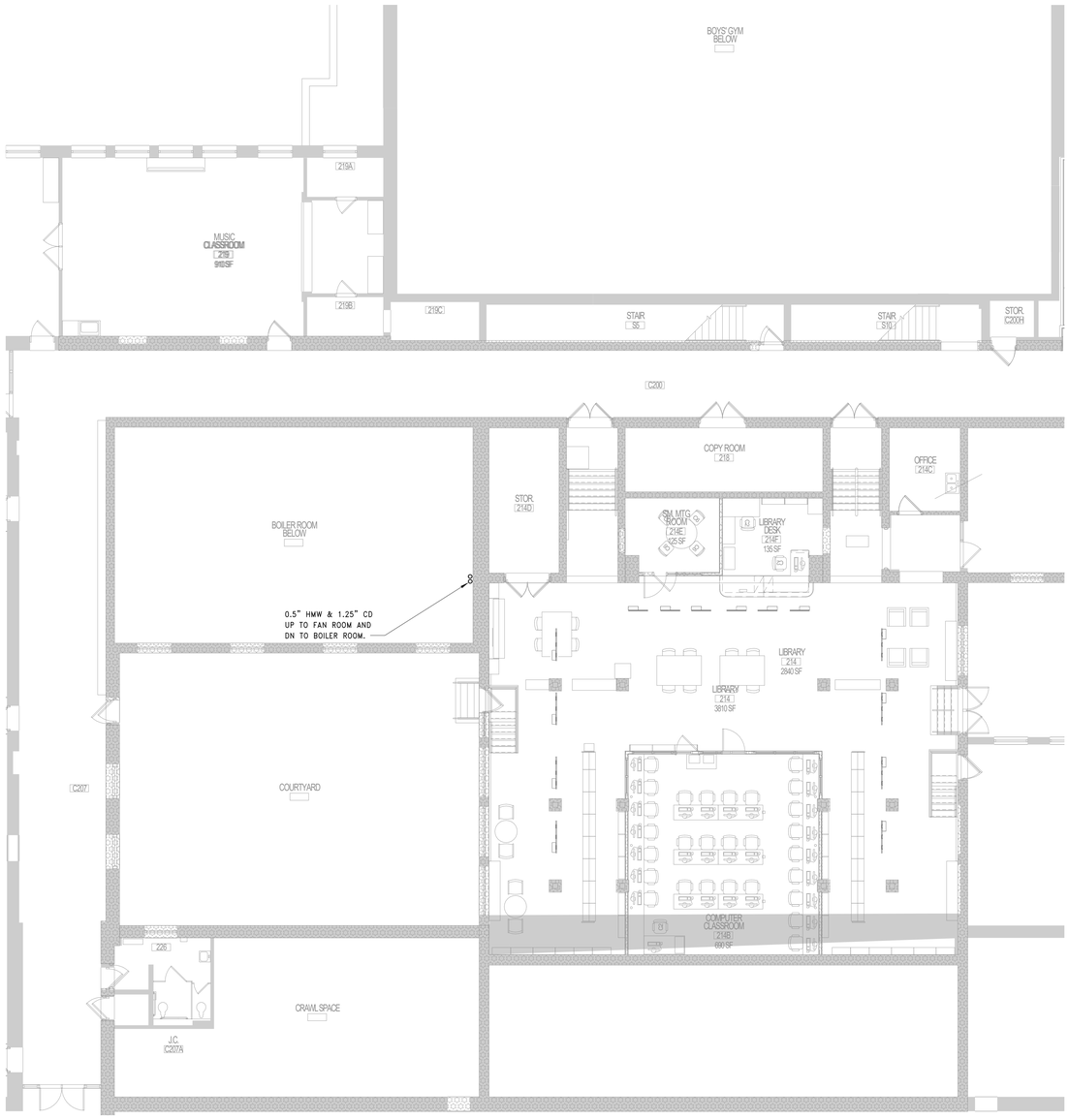
FIRST FLOOR PLAN - AREA '1'

Sheet No.

NFA M111

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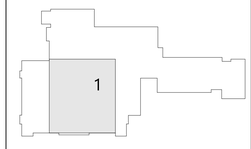
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1 SECOND FLOOR PLAN - AREA '1'
M121 1/8" = 1'-0"

KEY NOTES

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Project Title

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AUDITORIUM RENOVATION

MICHAEL J. STRONG
LICENSED PROFESSIONAL ENGINEER
109277
Expires: 01/31/2027

V.	DATE	DESCRIPTION

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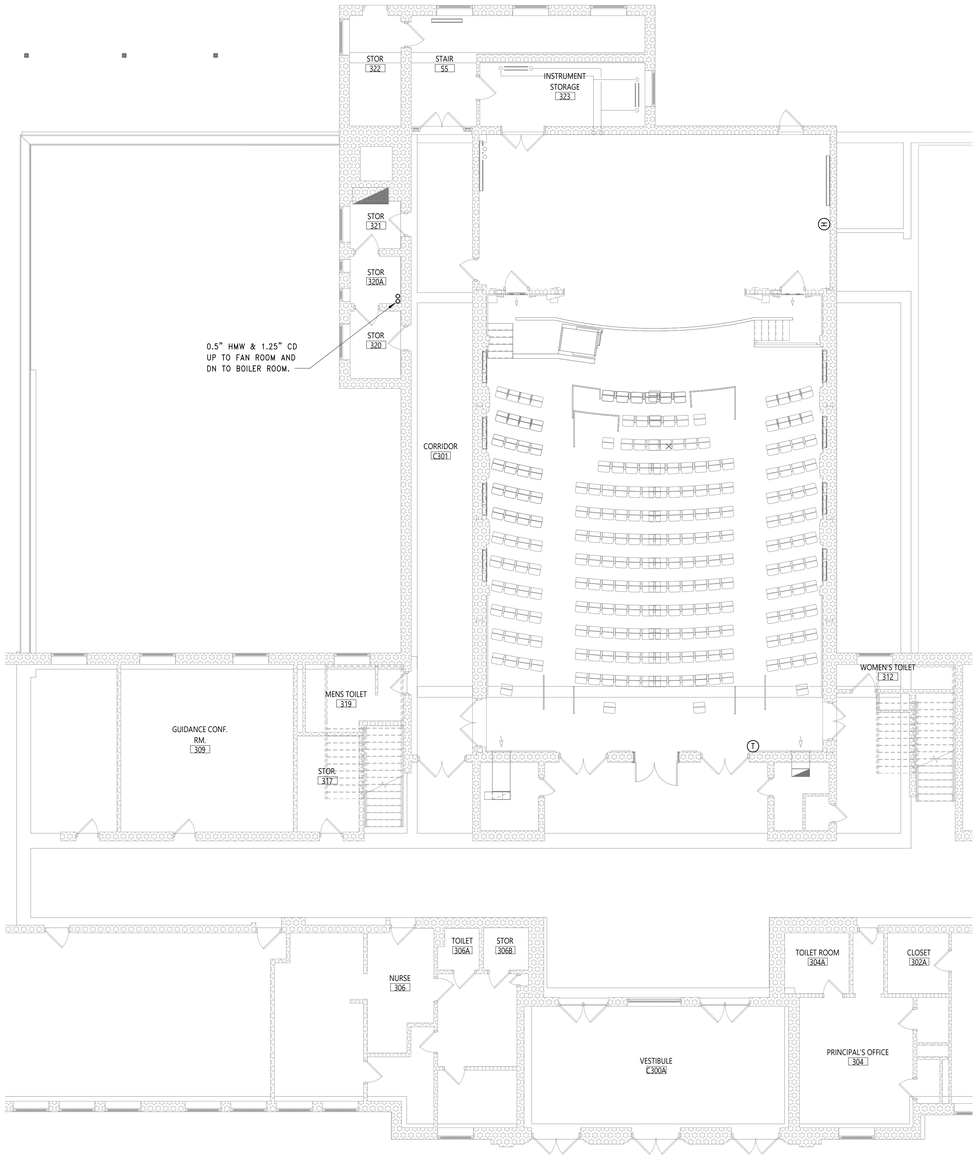
SECOND FLOOR PLAN - AREA '1'

Sheet No.

NFA M121

CONSTRUCTION DOCUMENTS

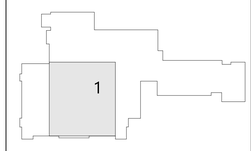
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1 THIRD FLOOR PLAN - AREA '1'
M131 1/8" = 1'-0"

KEY NOTES

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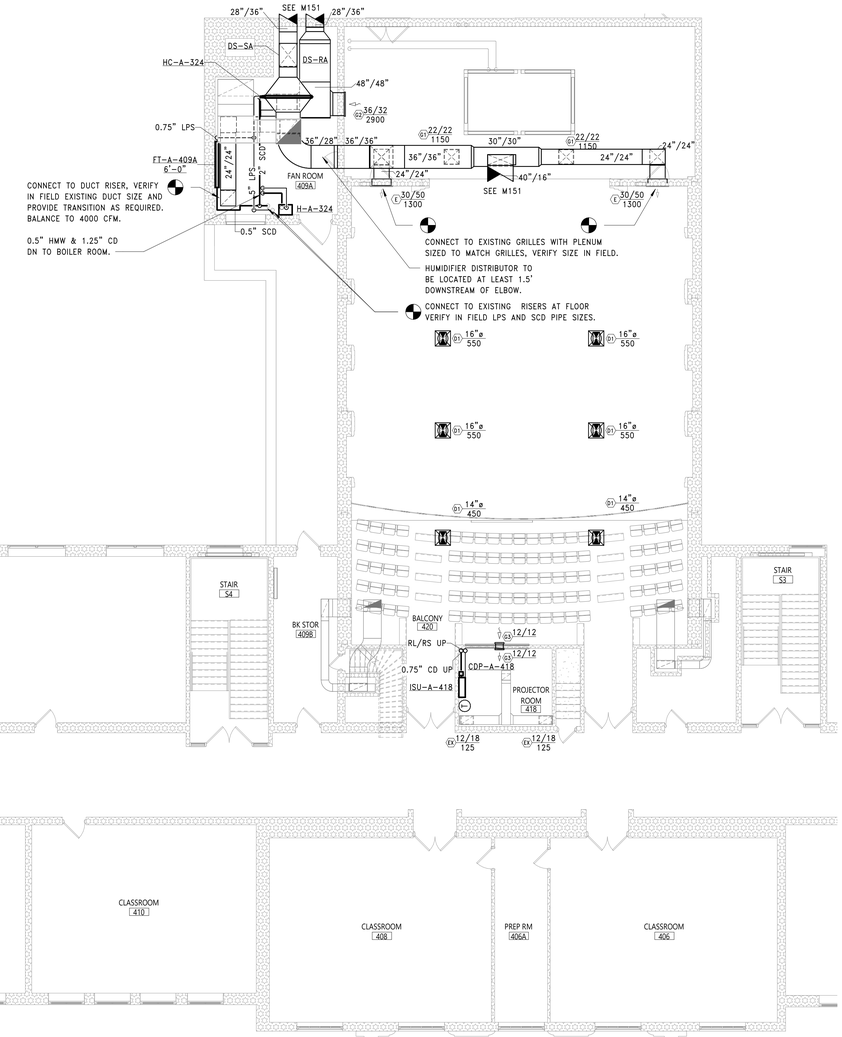
THIRD FLOOR PLAN - AREA '1'

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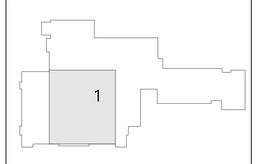
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1 FOURTH FLOOR PLAN - AREA '1'
M141 1/8" = 1'-0"

KEY NOTES

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FOURTH FLOOR PLAN - AREA '1'

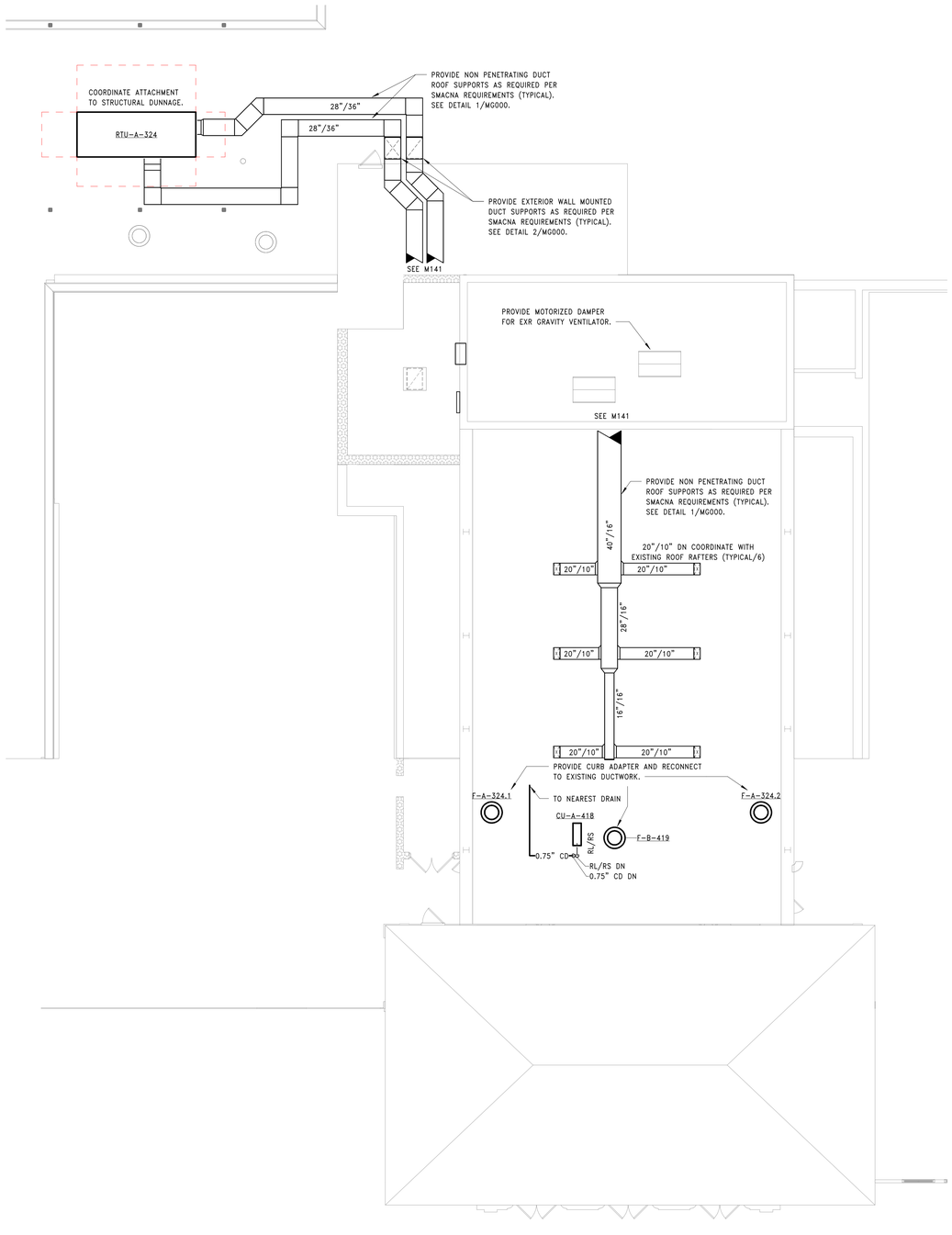
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NFA M141

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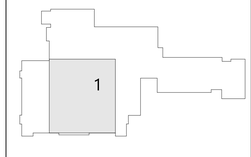
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1 ROOF PLAN - AREA '1'
M151 1/8" = 1'-0"

KEY NOTES

KEY PLAN



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ROOF PLAN - AREA '1'

Sheet No.

NFA
M151

CONSTRUCTION DOCUMENTS

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VENTILATION SCHEDULE

ZONE	ROOM #	ROOM NAME	Space Type	AREA (Az)	PEOPLE PER 1000SF	OCCUPANCY (Pz)	OA PER PERSON (Rp)	OA PER AREA (Ra)	OA (Vbz)	EFFECTIVENESS (Ez)	ZONE OA (Voz)	EA FROM FIXTURES	EA/SF	EA
RTU-A	420	BALCONY	Education – Auditoriums	818	93	76	5	0.06 CFM/SF	429	0.8	537			
RTU-A	29	STAGE	Theaters – Stages, Studios	909	66	60	10	0.06 CFM/SF	655	0.8	819			
RTU-A	324	AUDITORIUM	Education – Auditoriums	2,614	136	355	5	0.06 CFM/SF	1932	0.8	2415			
RTU-A	418	PROJECTOR ROOM	Offices – Office Spaces	123	5	1	5	0.06 CFM/SF	10	0.8	14			
RTU-A											3785			

DIFFUSER & GRILLE SCHEDULE

TAG	SYSTEM TYPE	SHAPE	NOMINAL SIZE	MATERIAL	FINISH	MOUNTING	ACCESSORIES	MANUFACTURER	MODEL
D1	SUPPLY DIFFUSER	SQUARE	24"x24"	STEEL	WHITE POWDER COAT	CEILING		NAILOR	UNI-AD
G1	SUPPLY GRILLE	RECTANGULAR	NECK SIZE + 2"	STEEL	WHITE POWDER COAT	SURFACE		NAILOR	610V
G2	RETURN GRILLE	RECTANGULAR	NECK SIZE + 2"	STEEL	WHITE POWDER COAT	SURFACE		NAILOR	51EC
G3	TRANSFER GRILLE	RECTANGULAR	NECK SIZE + 2"	STEEL	WHITE POWDER COAT	SURFACE		NAILOR	5145H

DUCT SILENCER SCHEDULE

TAG	CFM	SIZE (ENTERING-LEAVING)	FACE VELOCITY (FPM)	APD (in. WC)	DYNAMIC INSERTION LOSS (dB) 63	125	250	500	1000	2000	4000	MANUFACTURER	MODEL
DS-SA	8000	36"/28"-36"/28"	1143	0.19	10	14	23	31	37	33	27	VAW	REA
DS-RA	6900	48"/48"-48"/48"	431	0.10	11	14	26	44	55	47	30	VAW	RSA-15V12

FIN TUBE SCHEDULE

TAG	ELEMENT PIPE DIAMETER (IN)	# OF ROWS	ELEMENT WIDTH (IN)	ELEMENT HEIGHT (IN)	EAT (F)	FLUID	ELEMENT BTU/FT	ENCLOSURE WIDTH (IN)	HEIGHT (IN)	DESCRIPTION	MANUFACTURER	MODEL
FT-A	0.75	1	4.25	4.25	65	LPS	2210	6	14	TOP OUTLET, STAMPED LOUVERS	STERLING	JVB-RD14

DUCTED HEATING COIL SCHEDULE

TAG	FLUID	CFM	APD (in. WC)	EAT (F)	LAT (F)	PRESSURE (PSIG)	CONDENSATE LOAD (LB/HR)	MBH	WIDTH (IN)	HEIGHT (IN)	MANUFACTURER	MODEL	NOTES
HC-A-324	LOW PRESSURE STEAM	8000	0.07	33	105	5	657	631.6	72	48	DAIKIN	CAC019GHAM	1

NOTES:
1. COIL TO BE OWNER FURNISHED CONTRACTOR INSTALLED.

CONDENSATE PUMP SCHEDULE

TAG	SERVICE	GPM	PRESSURE (FT)	WATTS	ELECTRICAL DATA VOLTAGE	PHASE	FLA	MCA	MOCP	DISCONNECT SWITCH	MANUFACTURER	MODEL	NOTES
CDP-A-418	PROJECTOR ROOM	0.05	30	13.5	120	1	0.16	–	15	FIELD PROVIDED	ASPEN PUMPS	ASP-ML-115	1

NOTES:
1. PROVIDE PIPE COVER WITH UNIT.

INDOOR SPLIT UNIT SCHEDULE

TAG	NOMINAL BTUS	REFRIGERANT	CFM	ELECTRICAL DATA VOLTAGE	PHASE	FLA	MCA	MOCP	DISCONNECT SWITCH	MANUFACTURER	MODEL	NOTES
ISU-A-418	12000	R-32	558	208	1				FIELD PROVIDED	DAIKIN	FTXM12WVJU9	1

NOTES:
1. INDOOR UNIT POWERED BY OUTDOOR UNIT.

CONDENSING UNIT SCHEDULE

TAG	NOMINAL TONS	REFRIGERANT	SEER	ELECTRICAL DATA VOLTAGE	PHASE	FLA	MCA	MOCP	DISCONNECT SWITCH	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
CU-A-418	1	R-32	25.2	208	1	–	12.3	15	FIELD PROVIDED	96	DAIKIN	RXM12WVJU9	1, 2, 3, 4

NOTES:
1. PROVIDE 12" EQUIPMENT STAND.
2. PROVIDE SNOW HOOD.
3. PROVIDE DRAIN PAN HEATER.
4. PROVIDE INTERFACE ADAPTER FOR BMS INTEGRATION AND MONITORING.

HUMIDIFIER SCHEDULE

TAG	SERVICE	CAPACITY (LBS/HR)	CFM	OA %	DISTRIBUTOR LENGTH (IN)	ABSORPTION DISTANCE (FT)	ELECTRICAL DATA VOLTAGE	PHASE	FLA	MCA	MOCP	DISCONNECT SWITCH	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
H-A-324	AUDITORIUM	65.2	8000	48	32	1.32	208	3	–	77.9	100	FIELD PROVIDED	85	CONDAIR	ELN_075	1, 2

NOTES:
1. BMS TO PROVIDE 0-10VDV SIGNAL FOR BMS INTEGRATION AND CONTROL.
2. PROVIDE THE FOLLOWING ACCESSORIES:
   REMOTE FAULT AND INDICATION
   MOUNTING BAR (MEDIUM)
   HUMIDISTAT, ON/OFF, HIGH LIMIT, DIGITAL, DUCT MOUNT
   SWITCH AIR PROVING (DUCT AIRFLOW SAFETY INTERLOCK)
   0-10V SINGLE DEMAND
   STEAM DISTRIBUTOR

FAN SCHEDULE

TAG	SERVICE	TYPE	FAN DATA NORMAL CFM	EVENT CFM	ESP (In. Wg)	RPM	BHP	HP	MOTOR CONTROLLER	ELECTRICAL DATA VOLTAGE	PHASE	FLA	MCA	MOCP	DISCONNECT SWITCH	MANUFACTURER	MODEL
F-A-324.1	AUDITORIUM	DOWNBLAST	425	1775	1	1647	0.51	3/4	EC MOTOR, 0-10 INPUT	208	1	6	7.5	15	FACTORY	GREENHECK	G-130-VG
F-A-324.2	AUDITORIUM	DOWNBLAST	425	1775	1	1647	0.51	3/4	EC MOTOR, 0-10 INPUT	208	1	6	7.5	15	FACTORY	GREENHECK	G-130-VG
F-B-419	PROJECTOR ROOM	DOWNBLAST	250	250	0.75	1602	0.1	1/6	EC MOTOR, 0-10 INPUT	208	1	1.5	1.9	15	FACTORY	GREENHECK	G-095-VG

ROOF TOP UNIT SCHEDULE

TAG	SERVICE	SUPPY FAN DATA CFM	NORMAL OA CFM	EVENT OA CFM	ESP (In. Wg)	RPM	BHP	HP	MOTOR CONTROLLER	COOLING DATA NOMINAL TONS	AMBIENT TEMPERATURE	EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	HOT GAS REHEAT APD (in.WC)	MBH	LAT DB (F)	LAT WB (F)	ELECTRICAL DATA VOLTAGE	PHASE	FLA	MCA	MOCP	DISCONNECT SWITCH	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
RTU-A-324	AUDITORIUM	8000	1100	3800	3	1699	8.93	15	VFD – FACTORY MOUNTED	30	95	83	68.3	54.2	54.2	0.08	136.8	70	60	208	3	148	160.3	200	FACTORY MOUNTED	3686	DAIKIN	DPSC30B	1

NOTES:
1. UNIT TO BE OWNER FURNISHED CONTRACTOR INSTALLED.

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NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

MICHAEL J STRONCKE
109277
LICENSED PROFESSIONAL ENGINEER
Expires: 01/31/2027

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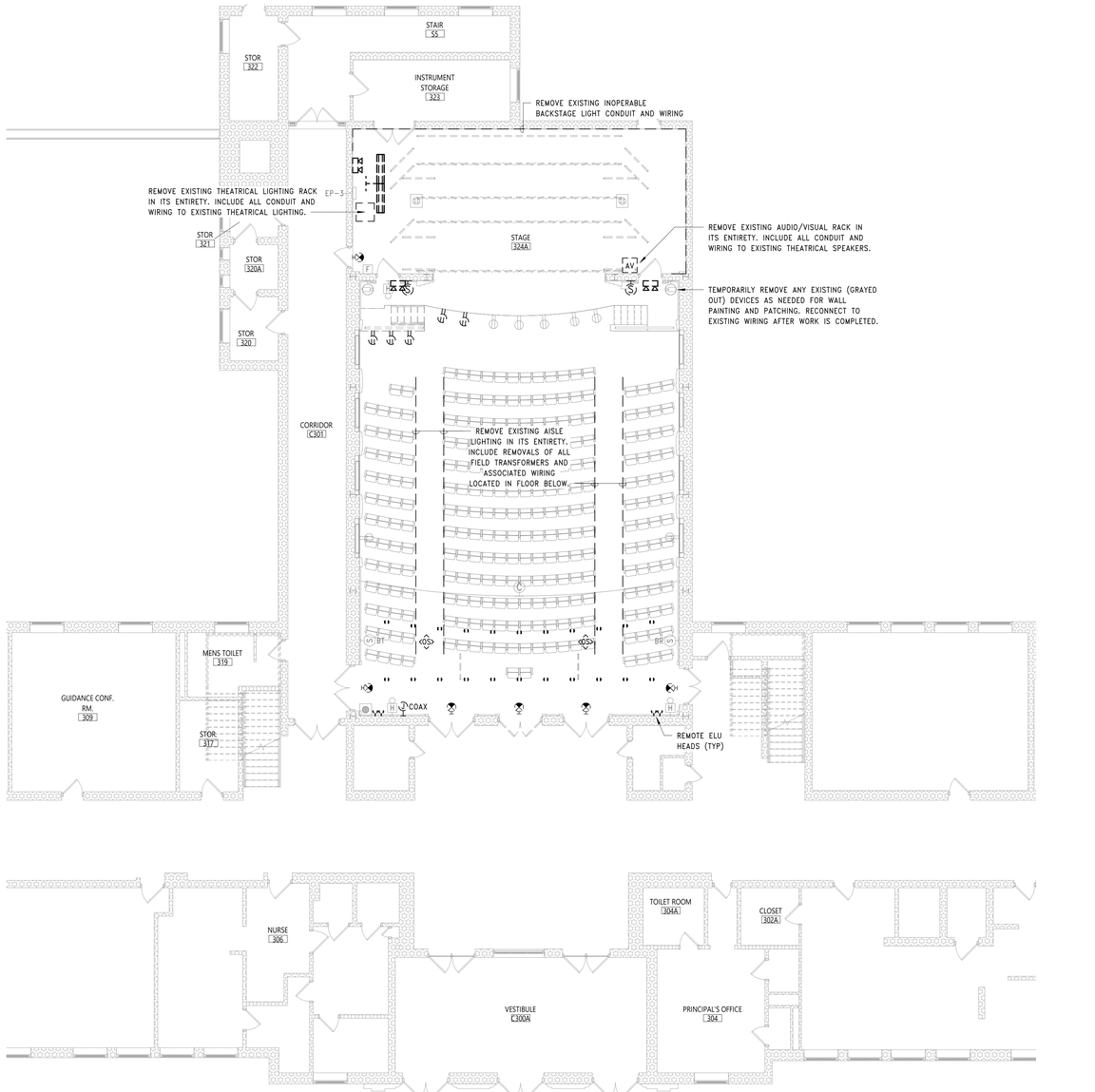
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Sheet Title
SCHEDULES

Sheet No.
NFA M901

CONSTRUCTION DOCUMENTS

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1 SECOND FLOOR DEMOLITION PLAN - AREA '1'

ED131 1/8" = 1'-0"

SHEET NOTES

A. BEFORE REMOVAL OR MODIFICATION OF ANY EXISTING CIRCUITS, FIELD VERIFY IF CIRCUITS FEED OTHER AREAS OF THE BUILDING REQUIRED TO REMAIN ENERGIZED DURING CONSTRUCTION.

B. ALL EXISTING WIRING AND CONDUIT TO ELECTRICAL ITEMS SHOWN AS DEMOLISHED ON THIS DRAWING SHALL BE REMOVED IN IT'S ENTIRETY BACK TO SOURCE PANELBOARD. LABEL CIRCUIT BREAKER AS SPARE IN EXISTING PANELBOARD DIRECTORY.

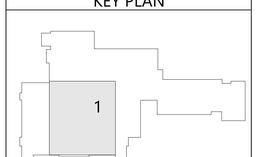
C. WHERE REQUIRED TO DISCONNECT OR MODIFY PART OF AN EXISTING CIRCUIT SERVING AREAS OUTSIDE OF THE DEMOLITION SCOPE, THE CIRCUIT SHALL BE RECONNECTED AND MODIFIED TO MAINTAIN CONTINUITY.

D. MAINTAIN CONTINUITY OF ALL EXISTING TO REMAIN BRANCH CIRCUITS TO BE-USED.

E. REPROGRAM THE EXISTING FIRE ALARM SYSTEM TO ACCOUNT FOR THE REMOVAL OF DEVICES FROM THE EXISTING FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY FIRE WATCHES IN AREAS WITHOUT COVERAGE WHEN FIRE ALARM SYSTEM IS OFF LINE.

F. FOR ALL DEVICES MOUNTED ON THE WALL IN THE AUDITORIUM, PROVIDE TEMPORARY REMOVALS AS NEEDED FOR ARCHITECTURAL WALL REPAIR AND PAINTING. REINSTALL AND RETEST DEVICES AFTER WORK IS COMPLETED.

KEY PLAN



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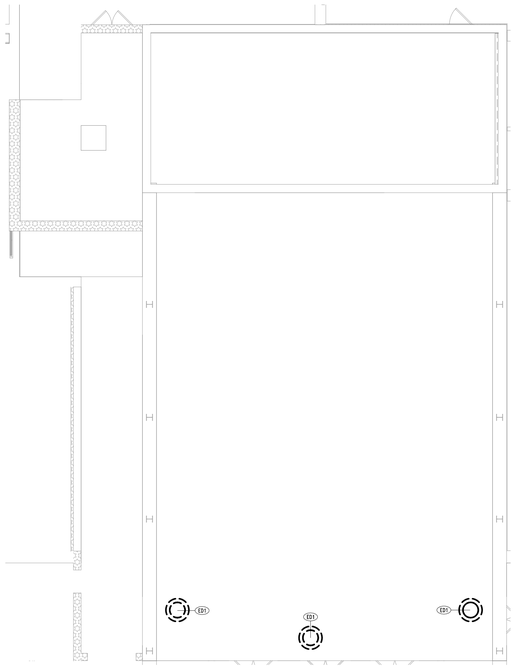
THIRD FLOOR DEMOLITION PLAN - AREA '1'

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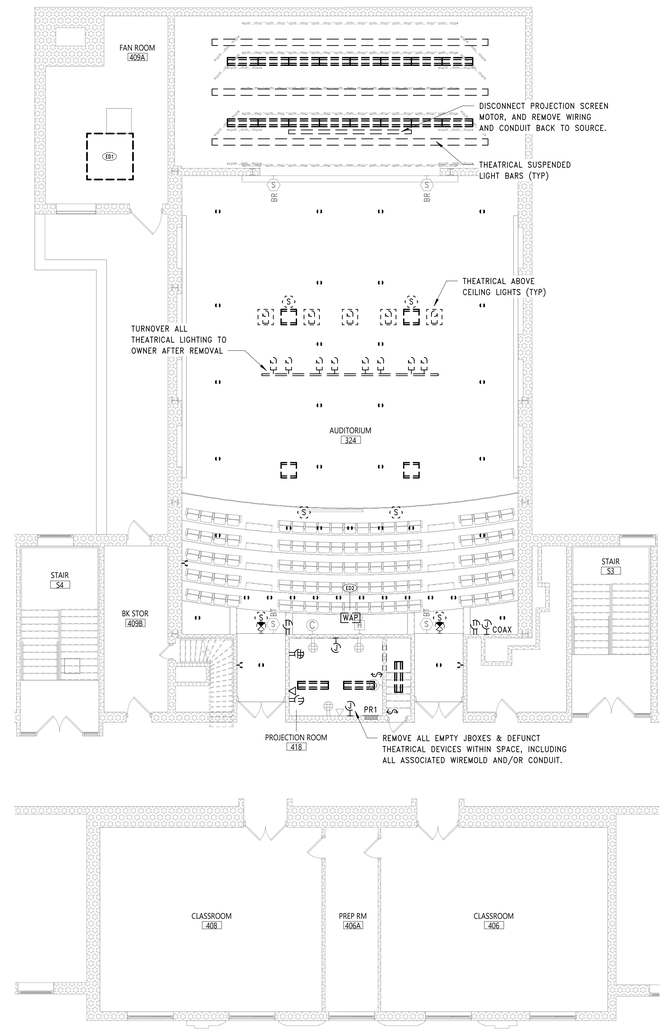
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CONSTRUCTION DOCUMENTS

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2 ROOF DEMOLITION PLAN - AREA '1'
ED141 1/8" = 1'-0"



1 THIRD FLOOR DEMOLITION PLAN - AREA '1'
ED141 1/8" = 1'-0"

SHEET NOTES

A. BEFORE REMOVAL OR MODIFICATION OF ANY EXISTING CIRCUITS, FIELD VERIFY IF CIRCUITS FEED OTHER AREAS OF THE BUILDING REQUIRED TO REMAIN ENERGIZED DURING CONSTRUCTION.

B. ALL EXISTING WIRING AND CONDUIT TO ELECTRICAL ITEMS SHOWN AS DEMOLISHED ON THIS DRAWING SHALL BE REMOVED IN IT'S ENTIRETY BACK TO SOURCE PANELBOARD. LABEL CIRCUIT BREAKER AS SPARE IN EXISTING PANELBOARD DIRECTORY.

C. WHERE REQUIRED TO DISCONNECT OR MODIFY PART OF AN EXISTING CIRCUIT SERVING AREAS OUTSIDE OF THE DEMOLITION SCOPE, THE CIRCUIT SHALL BE RECONNECTED AND MODIFIED TO MAINTAIN CONTINUITY.

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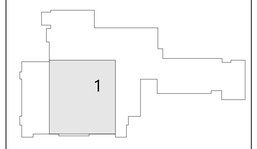
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F. FOR ALL DEVICES MOUNTED ON THE WALL IN THE AUDITORIUM, PROVIDE TEMPORARY REMOVALS AS NEEDED FOR ARCHITECTURAL WALL REPAIR AND PAINTING. REINSTALL AND RETEST DEVICES AFTER WORK IS COMPLETED.

KEY NOTES

ED1	DISCONNECT AND REMOVE DISCONNECT/STARTER/VFD/FA, CONDUIT AND WIRING SERVING EXISTING MECHANICAL EQUIPMENT BACK TO SOURCE.
ED2	REMOVE AND PROTECT DEVICE FOR CEILING REMOVAL. MAINTAIN ALL CONDUIT AND WIRING FOR RECONNECTION.

KEY PLAN



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Sheet Title
FOURTH FLOOR DEMOLITION PLAN - AREA '1'

Sheet No.
NFA ED141

CONSTRUCTION DOCUMENTS

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1 FIRST FLOOR PLAN - AREA '1'

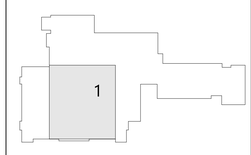
E111 1/8" = 1'-0"

SHEET NOTES

A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.

KEY PLAN



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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



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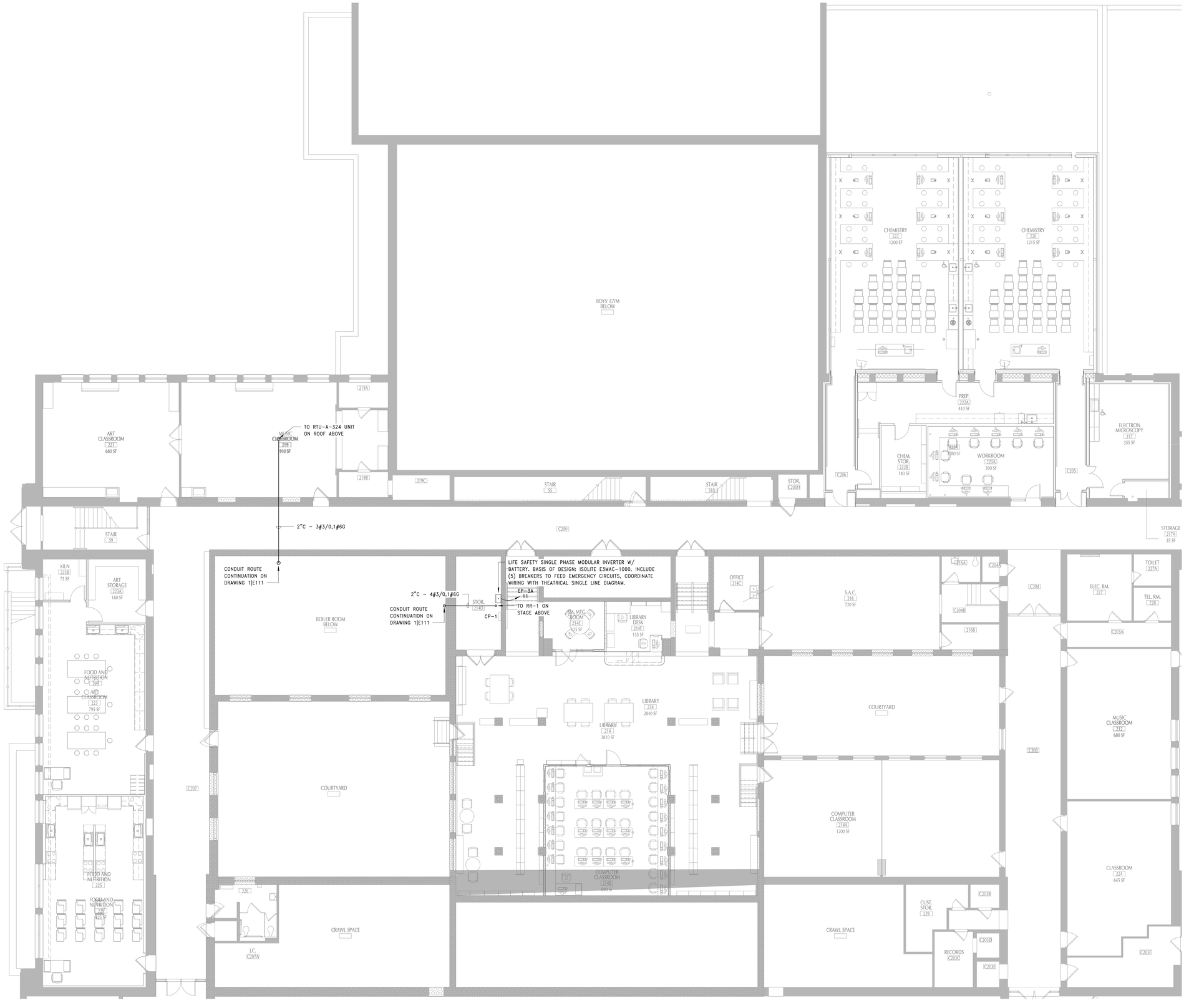
FIRST FLOOR POWER & SYSTEMS PLAN - AREA '1'

Sheet No.

NFA E111

CONSTRUCTION DOCUMENTS

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1 SECOND FLOOR PLAN - AREA '2'

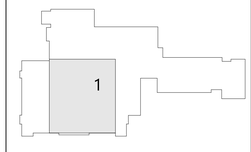
E121 1/8" = 1'-0"

SHEET NOTES

A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.

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Sheet Title
SECOND FLOOR POWER & SYSTEMS PLAN - AREA '1'

Sheet No.
NFA
E121

CONSTRUCTION DOCUMENTS

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Branch Panel: EP-3A

Location: STAGE 29 **Supply From:** EP-3 **Mounting:** SURFACE

Volts: 120/208 Wye **Phases:** 3 **Wires:** 4

A.I.C. Rating: 10,000 **Mains Type:** 60 A MCB **Mains Rating:** 100

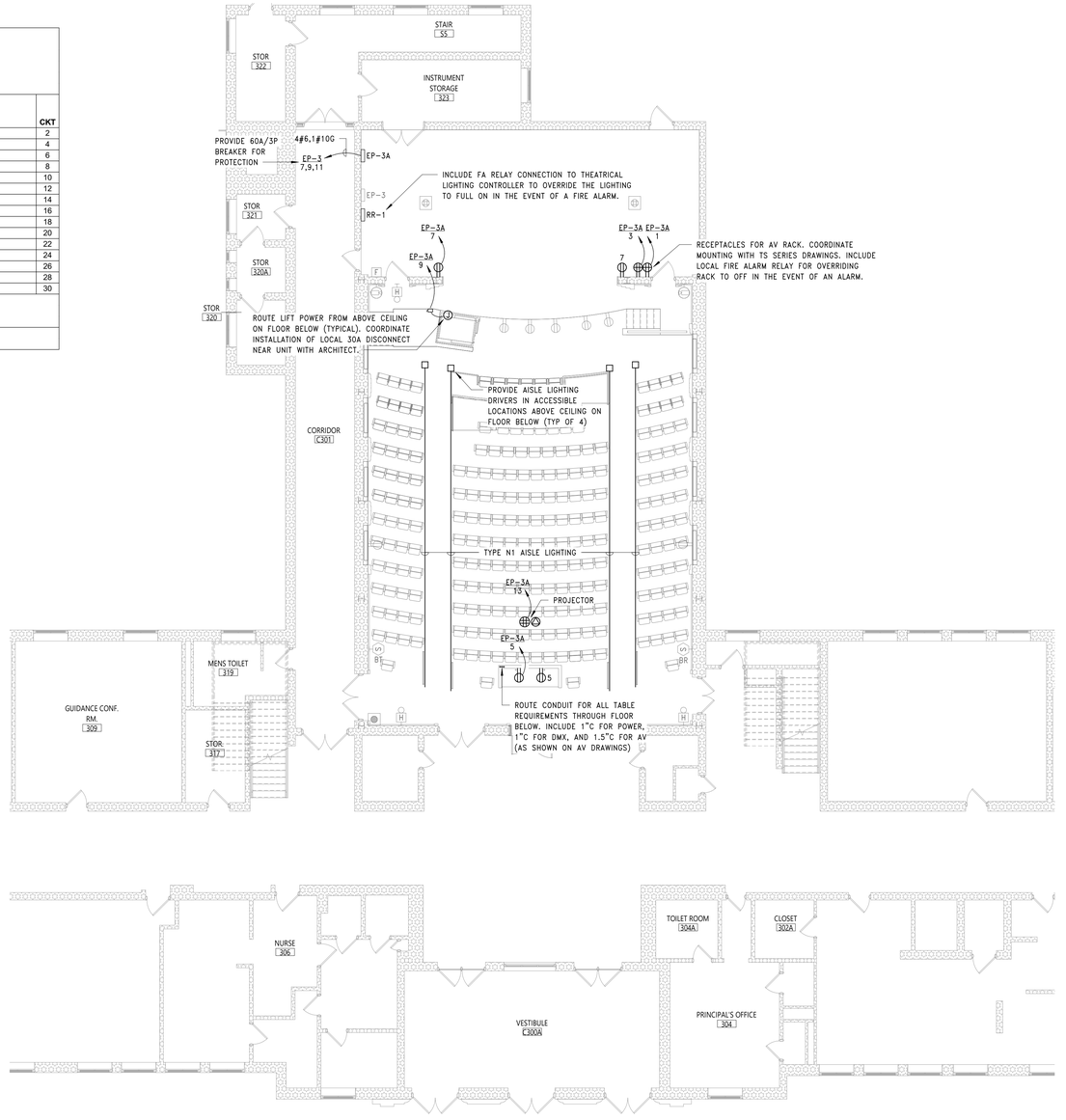
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPT. - AV RACK	20	1	720 VA	1023.4 VA					2	15	CU-A-418	2
3	RECEPT. - AV RACK	20	1			720 VA	1023.4 VA			--	--	--	4
5	RECEPT. - BACK-OF-HOUSE TABLE	20	1					360 VA	780 VA	2	15	F-A-324.1 & F-B-419	6
7	RECEPT. - STAGE (AV)	20	1	360 VA	780 VA					--	--	--	8
9	MOTORIZED LIFT	20	1			1560 VA	624 VA			2	15	F-A-324.2	10
11	INVERTER	20	1					1000 VA	624 VA	--	--	--	12
13	RECEPT. - PROJECTOR	20	1	360 VA	0 VA					2	15	SPARE	14
15	PROJECTION SCREEN	20	1			288 VA	0 VA			--	--	--	16
17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18
19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20
21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22
23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24
25	SPACE	--	1	--	--					1	--	SPACE	26
27	SPACE	--	1			--	--			1	--	SPACE	28
29	SPACE	--	1					--	--	1	--	SPACE	30
			Total Load:	3243 VA		4215 VA		2764 VA					
			Total Amps:	27.6		35.7		23					

Notes:

EQUIPMENT CONNECTION SCHEDULE - SINGLE POINT CONNECTION

TAG	VOLTAGE	PHASE	FLA	MCA	MOCP	POWER SOURCE	CIRCUIT BREAKER	WIRE SIZE	DISCONNECT SWITCH	DISCONNECT SIZE	FA SHUTDOWN	NOTES
CDP-A-418	120	1	0.16	–	15	PR1	19	3/4"C – 2#12,#12G	FIELD PROVIDED	BREAKER	–	
CU-A-418	208	1	–	12.3	15	EP-3A	2,4	3/4"C – 3#10,1#10G	FIELD PROVIDED	30A	–	
F-A-324.1	208	1	6	7.5	15	EP-3A	6,8	3/4"C – 3#10,1#10G	FACTORY	–	–	
F-A-324.2	208	1	6	7.5	15	EP-3A	10,12	3/4"C – 3#10,1#10G	FACTORY	–	–	
F-B-419	208	1	1.5	1.9	15	EP-3A	6,8	3/4"C – 3#10,1#10G	FACTORY	–	–	
H-A-324	208	3	–	77.9	100	EP-3	1,3,5	1-1/2"C – 3#3,1#8G	FIELD PROVIDED	100A	–	
RTU-A-324	208	3	148	160.3	200	DP-A	25,27,29	2"C – 3#3/0,1#6G	FACTORY MOUNTED	–	PROVIDED	

EQUIPMENT CONNECTION SCHEDULE NOTES:
1. FOR MECHANICAL UNITS POWERED FROM EXISTING PANELBOARDS, PROVIDE NEW BREAKER LISTED AND LABELED FOR EXISTING PANELBOARD AT INDICATED MOCP SIZE.



1 THIRD FLOOR PLAN - AREA '1'
E131 1/8" = 1'-0"

SHEET NOTES

A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.

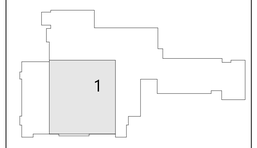
C. ALL LIGHTING POWER TO BE DERIVED FROM STAGE RELAY PANEL RR-1. ALL EMERGENCY LIGHTING POWER TO BE DERIVED FROM MODULAR INVERTER ON SECOND FLOOR. INVERTER POWER TO BE DERIVED FROM STAGE RELAY PANEL RR-1. SEE THEATRICAL LIGHTING DRAWINGS FOR ADDITIONAL DETAILS.

D. FOR ALL NON-RR-1 POWER REQUIREMENTS, PROVIDE NEW BREAKERS IN INDICATED PANELBOARDS. BREAKERS MUST BE LISTED AND LABELED FOR THE EXISTING SOURCE. ASSUME 20A/1P BREAKERS UNLESS OTHERWISE NOTED IN SCHEDULES.

E. SEE AUDITORIUM SOUND (TS SERIES) AND AUDITORIUM LIGHTING (TL SERIES) FOR ADDITIONAL REQUIREMENTS. FOR TS & TL SERIES DRAWINGS, PROVIDE RACEWAY AND WIRING PER DRAWING DIRECTIONS. PROVIDE ALL INDICATED WIRING IN 3/4"C, UNLESS OTHERWISE NOTED. FOR BOTH SERIES, ASSUME ALL INDICATED DEVICES REQUIRE NEW BACKBOXES.

F. COORDINATE INSTALLATION OF AISLE LIGHTING WITH GENERAL CONTRACTOR TO ENSURE FULL COORDINATION WITH RUG, FLOOR, AND STAIRWELL MODIFICATIONS.

KEY PLAN



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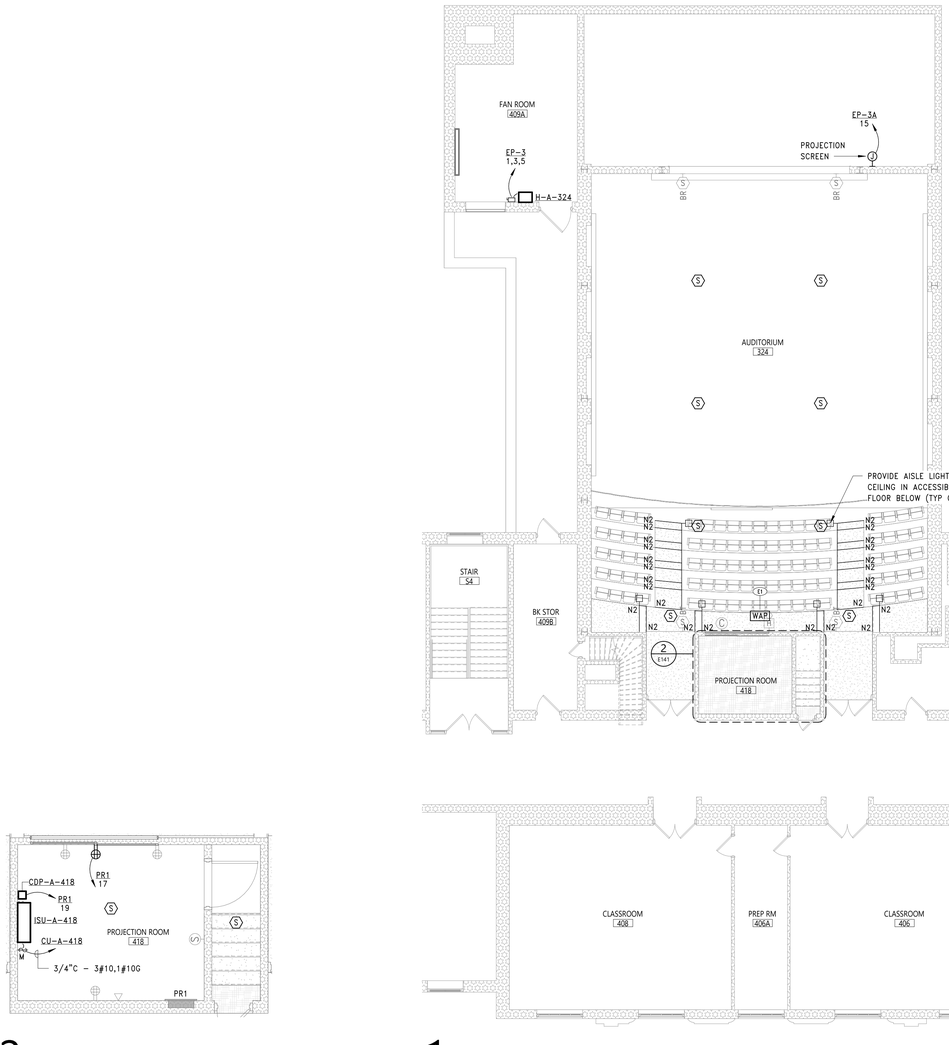
Sheet Title
THIRD FLOOR POWER & SYSTEMS PLAN - AREA '1'

Sheet No.
NFA
E131

CONSTRUCTION DOCUMENTS

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1 FOURTH FLOOR PLAN - AREA '1'

E141 1/8" = 1'-0"

2 PROJECTION ROOM PLAN

E141 1/4" = 1'-0"

SHEET NOTES

A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.

C. ALL LIGHTING POWER TO BE DERIVED FROM STAGE RELAY PANEL RR-1. ALL EMERGENCY LIGHTING POWER TO BE DERIVED FROM MODULAR INVERTER ON SECOND FLOOR. INVERTER POWER TO BE DERIVED FROM STAGE RELAY PANEL RR-1. SEE THEATRICAL LIGHTING DRAWINGS FOR ADDITIONAL DETAILS.

D. FOR ALL NON-RR-1 POWER REQUIREMENTS, PROVIDE NEW BREAKERS IN INDICATED PANELBOARDS. BREAKERS MUST BE LISTED AND LABELED FOR THE EXISTING SOURCE. ASSUME 20A/1P BREAKERS UNLESS OTHERWISE NOTED IN SCHEDULES.

E. SEE AUDITORIUM SOUND (TS SERIES) AND AUDITORIUM LIGHTING (TL SERIES) FOR ADDITIONAL REQUIREMENTS. FOR TS & TL SERIES DRAWINGS, PROVIDE RACEWAY AND WIRING PER DRAWING DIRECTIONS. PROVIDE ALL INDICATED WIRING IN 3/4"C, UNLESS OTHERWISE NOTED. FOR BOTH SERIES, ASSUME ALL INDICATED DEVICES REQUIRE NEW BACKBOXES.

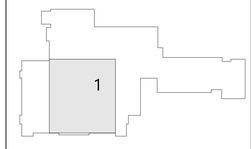
F. COORDINATE INSTALLATION OF AISLE LIGHTING WITH GENERAL CONTRACTOR TO ENSURE FULL COORDINATION WITH RUG, FLOOR, AND STAIRWELL MODIFICATIONS.

G. RETEST AND RECERTIFY FIRE ALARM SYSTEM AFTER INSTALLATION OF NEW FIRE ALARM DEVICES. NEW FIRE ALARM DEVICES ARE TO MATCH EXISTING FIRE ALARM SYSTEM.

KEY NOTES

E1	REINSTALL DEVICE FROM STORAGE. EXTEND WIRING REMAINING FROM DEMOLITION FOR RECONNECTION AS REQUIRED.

KEY PLAN



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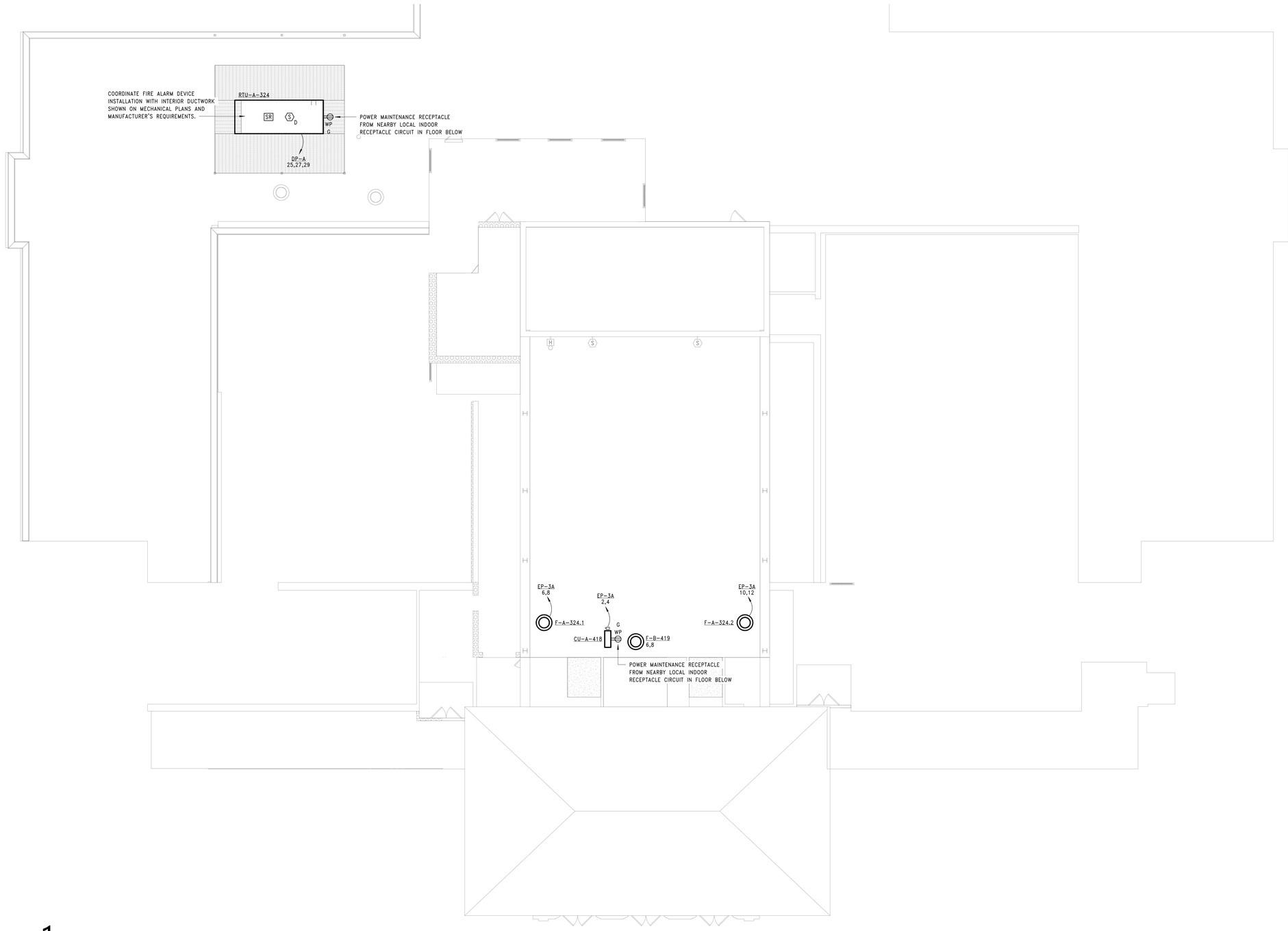
FOURTH FLOOR POWER & SYSTEMS PLAN - AREA '1'

Sheet No.

NFA E141

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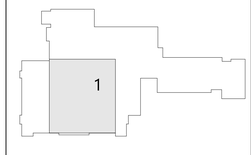
1 ROOF PLAN - AREA '1'
E151 1/8" = 1'-0"

SHEET NOTES

A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.

KEY PLAN



N

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Sheet Title

ROOF POWER & SYSTEMS PLAN - AREA '1'

Sheet No.

NFA
E151

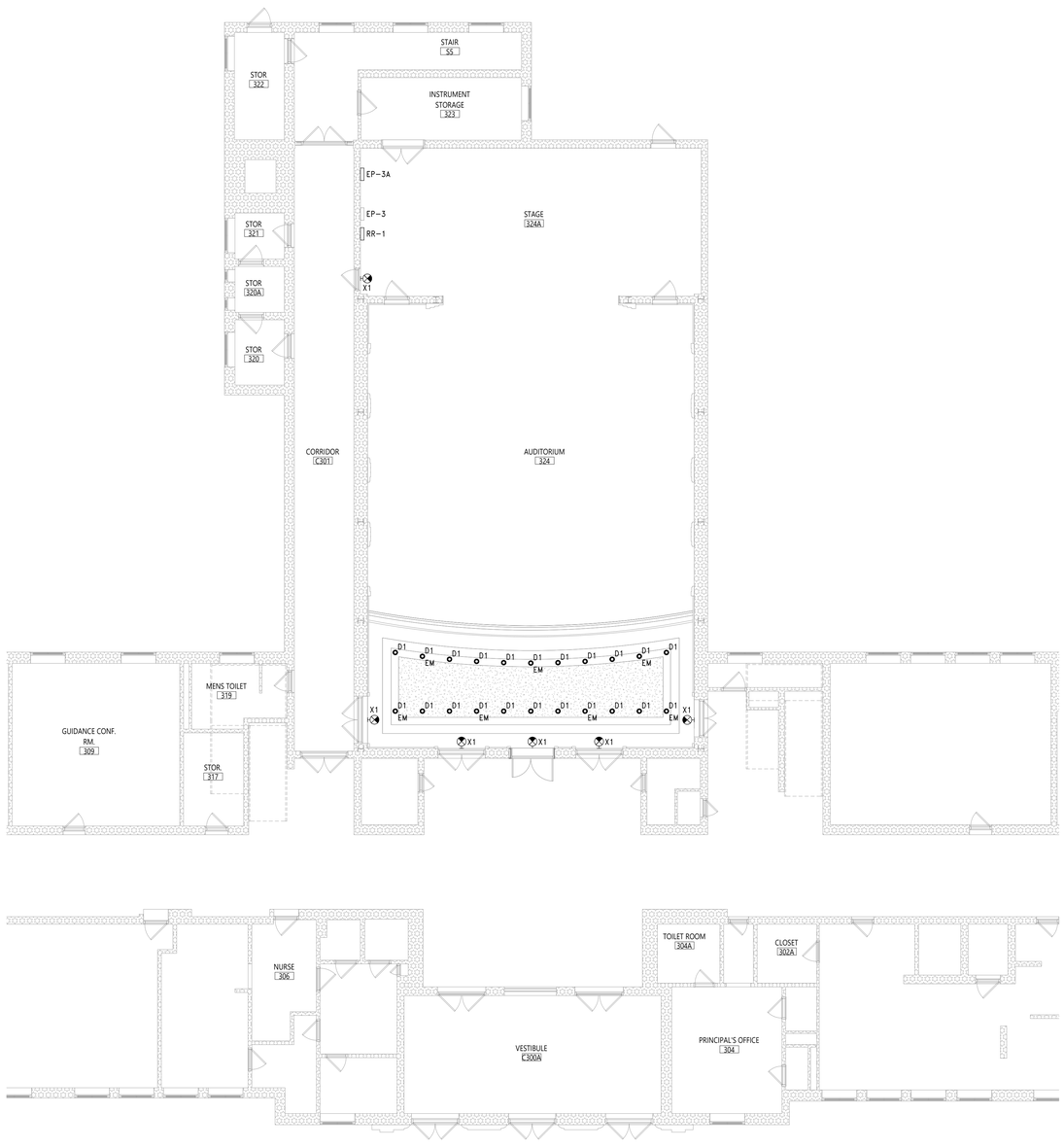
CONSTRUCTION DOCUMENTS

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LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE	VOLTAGE	NOTES
D1	6" ROUND LED DOWNLIGHT, RETROFIT	PORTFOLIO	LDRT6C109730DMXWOH	10.0	UNV	–
D2	6" ROUND LED DOWNLIGHT, RETROFIT	PORTFOLIO	LDRT6C209730DMXWDOH	22.6	UNV	–
E1	EMERGENCY LIGHT, WALL MOUNTED, BATTERY BACKUP	EVENLITE	TEBL3W-SD	3.0	120V	–
F1	4' LENSED LED UTILITY FIXTURE, SUSPENDED	COOPER	4SNLED LD5 41SL UNV L835 U	31.0	UNV	–
F2	4' LENSED LED UTILITY FIXTURE, SURFACE MOUNTED	COOPER	4SNLED LD5 37SL UNV L835 U	28.0	UNV	–
N1	CARPET-TO-FLOOR AISLE LIGHTING	ALUZ	A7-ZYKU-CRF-6"-10V-A-SLC	0.5W/FT	24VDC	1
N2	CARPETED STAIRWELL AISLE LIGHTING	ALUZ	A7-ZABA-TLT-6"-10V-A-SLC	0.5W/FT	24VDC	1
X1	LED EXIT SIGN, WALL MOUNTED	SIGNTEX	RPD REC R A A	3.2	120V	–

LIGHTING FIXTURE SCHEDULE NOTES:
1. COORDINATE AISLE LIGHTING INSTALLATIONS (INCLUDING DRIVER INSTALLATION), WITH OTHER CONTRACTS. ENSURE DRIVER REMAINS ACCESSIBLE IN FLOOR BELOW, AND PATHWAYS DO NOT CAUSE ANY TRIP HAZARDS WITHIN SPACE. CIRCUIT DRIVERS TO STAGE PANELBOARD RR-1.



1 THIRD FLOOR LIGHTING PLAN - AREA '1'
E231 1/8" = 1'-0"

SHEET NOTES

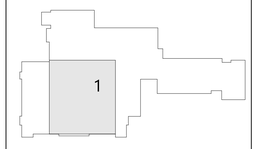
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B. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROPERLY FIRE-STOPPED.

C. ALL EXIT SIGNS AND NIGHT LIGHT (NL) FIXTURES SHALL BE CONNECTED AHEAD OF ANY SWITCHING/CONTROL DEVICE (UN-SWITCHED). SEE AUDITORIUM LIGHTING (TL SERIES) FOR ALL THEATRICAL LIGHTING CONTROL INFORMATION.

D. ALL LIGHTING POWER TO BE DERIVED FROM STAGE RELAY PANEL RR-1 UNLESS OTHERWISE NOTED. ALL EMERGENCY LIGHTING POWER TO BE DERIVED FROM MODULAR INVERTER ON SECOND FLOOR UNLESS OTHERWISE NOTED. WIRE INVERTER CIRCUITS THROUGH SC100B-103 CONTROLLER. SEE AUDITORIUM LIGHTING (TL SERIES) FOR ADDITIONAL WIRING DETAILS.

KEY PLAN



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Sheet Title

THIRD FLOOR LIGHTING PLAN - AREA '1'

Sheet No.

NFA
E231

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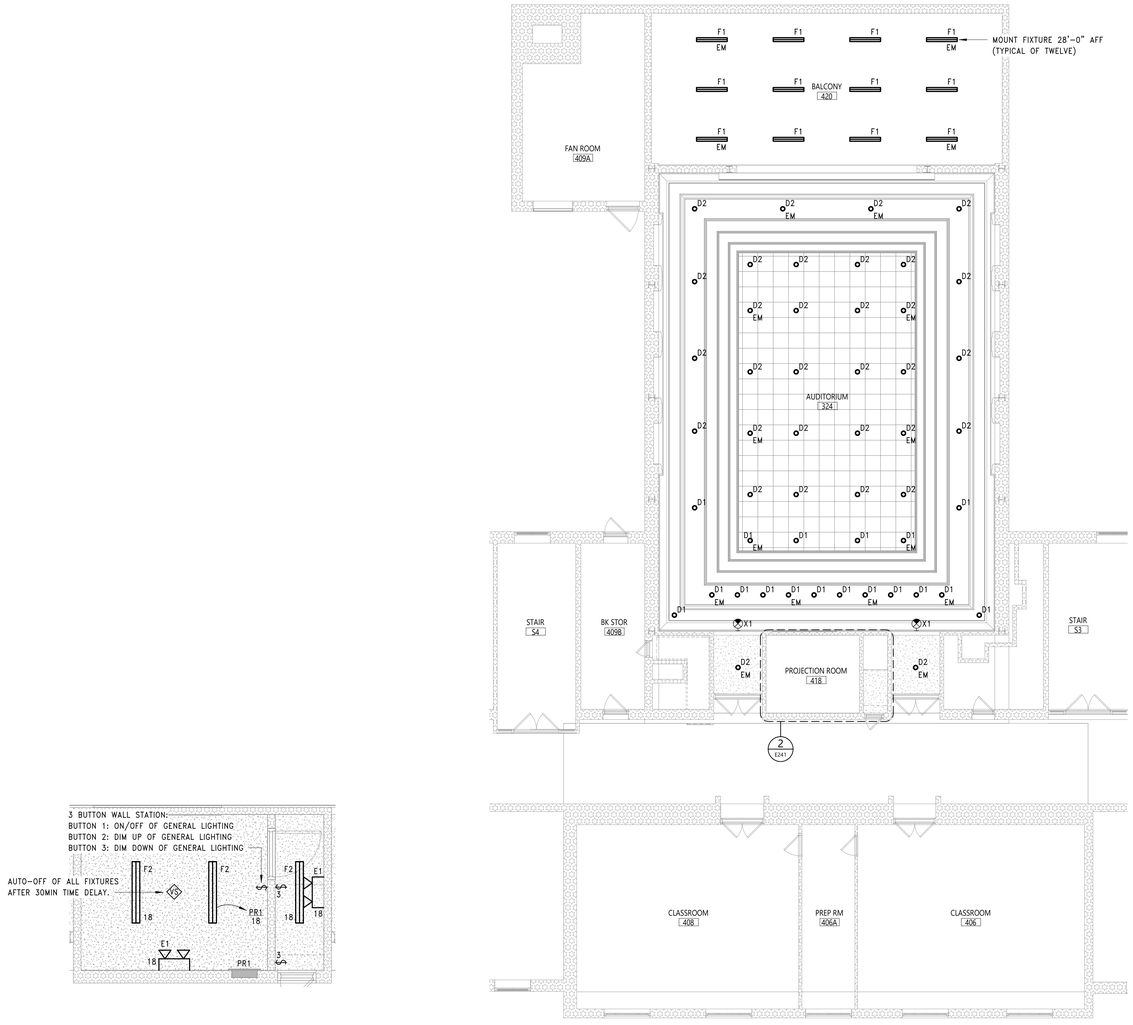
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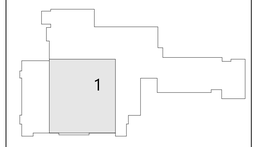
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1 FOURTH FLOOR LIGHTING PLAN - AREA '1'
E241 1/8" = 1'-0"

2 PROJECTION ROOM LIGHTING PLAN
E241 1/4" = 1'-0"

KEY PLAN



N

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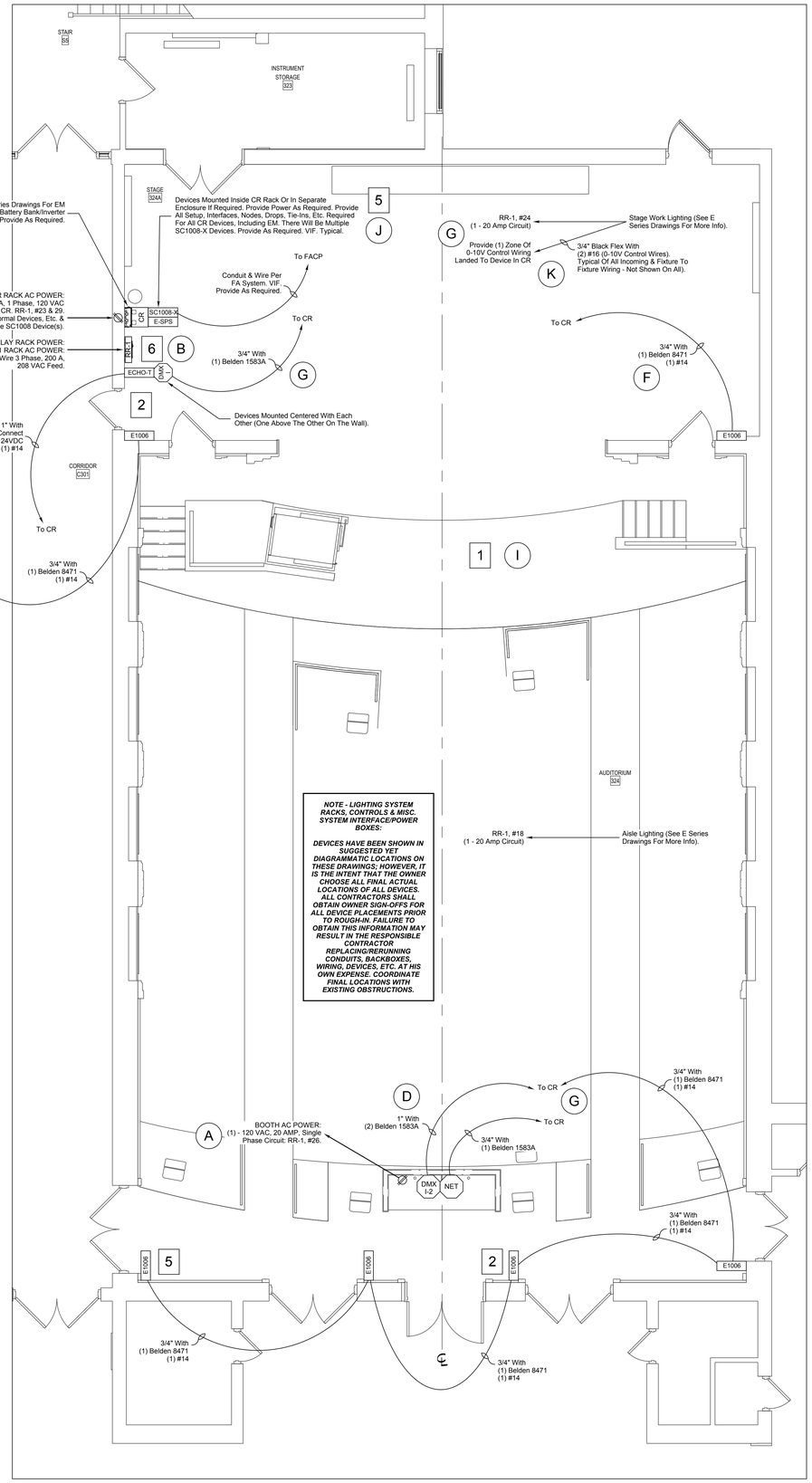
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Sheet Title
FOURTH FLOOR LIGHTING PLAN - AREA '1'

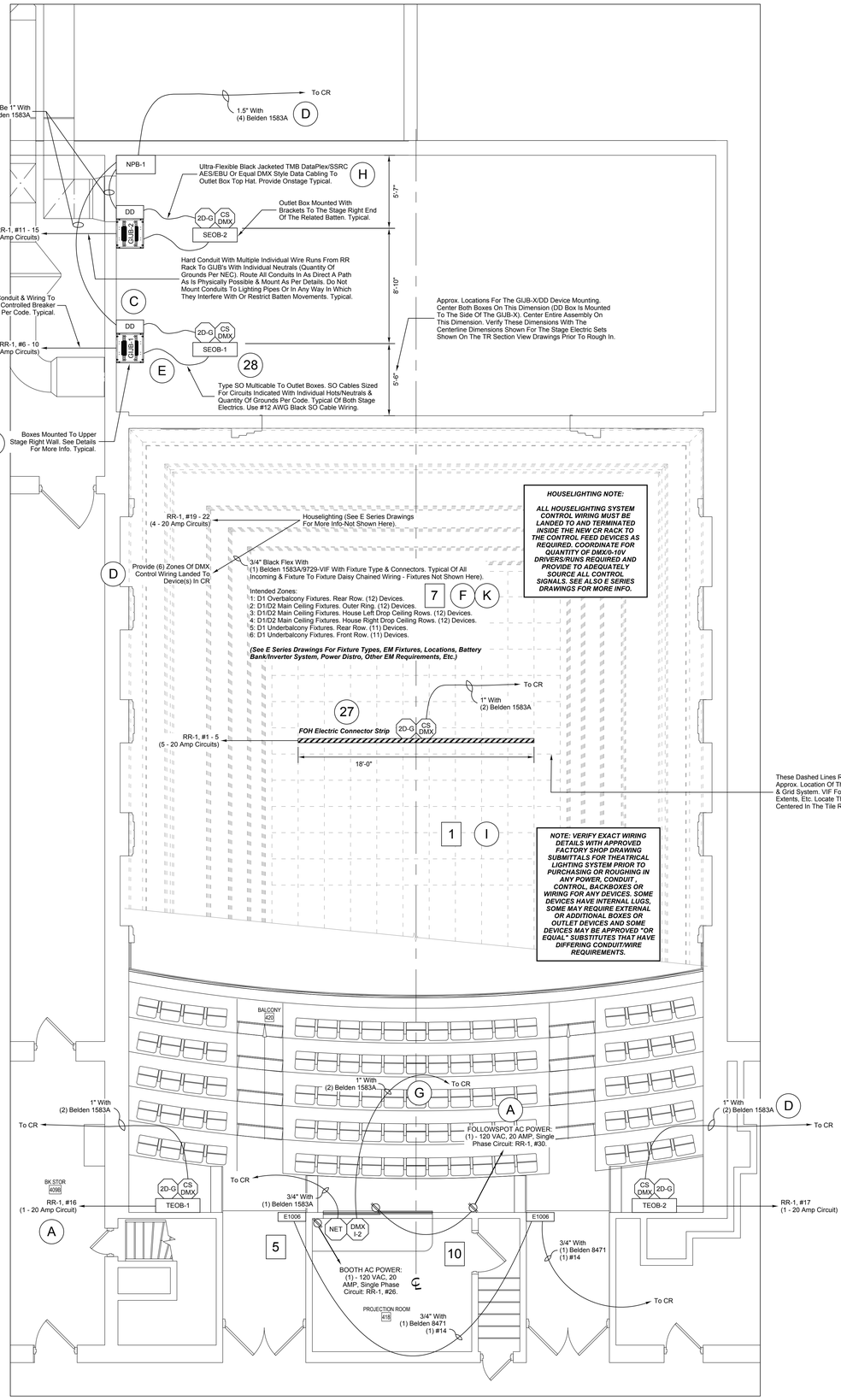
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CONSTRUCTION DOCUMENTS

Autodesk Docs://108-2594 NECSD NFA North Audi Reno/NFA North MEP.rvt



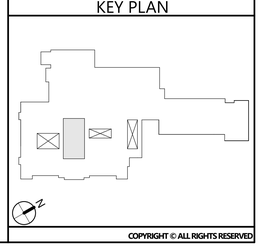
1 LOWER LEVEL CONTROL PLAN
TL301 1/4" = 1'-0"



2 UPPER LEVEL CONTROL PLAN
TL301 1/4" = 1'-0"

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

KEY PLAN



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Project Title:
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

JAMES R. BARNETT
073467
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
EXPIRES 5/31/2029

No.	DATE	DESCRIPTION

Drawn By:	SPJ
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Sheet Title:
THEATRICAL LIGHTING SYSTEM CONTROL PLANS

Sheet No:
NFA TL301

CONSTRUCTION DOCUMENTS

KEY TO FIXTURE SYMBOLS:

8

Symbol	Fixture & Accessories	Light Source
CSFVM3	ETC ColorSource Fresnel V Max With Wireless Multiverse & NFC Configuration, Motorized 13°- 44° Beam Zoom & Edison Connector. Set Up Each Fixture In 9-Channel Direct DMX Operating Mode. Provide With All Power & Individual DMX Interconnect Cabling, Hanging Yoke With A C-Clamp & All Other Misc. Hardware Needed In Order To Assemble & Interconnect These Fixtures. Provide With 4-Leaf Barn Doors & Egg Crate Louver.	(60) Lumileds Luxeon C LED Emitters - (Included With Fixture). Approx. 10,023 Lumens.
CSPSTVX3	ETC ColorSource Spot V (XX Indicates Barrel Lensing To Provide) Fixture With Edison Connector. Provide With Shutter Barrel & EDLT Lens Tube. Set Up Each Fixture With Individually Addressed Units In 5-Channel DMX Operating Mode. Provide With All Power & Individual DMX Interconnect Cabling, Hanging Yoke With A C-Clamp, EDLT Lens Tube & All Other Misc. Hardware Needed In Order To Assemble & Interconnect These Fixtures.	(60) Lumileds Luxeon C and Rebel 2.5W LED's Emitters Per Cell (Included With Fixture). Approx. 9,498 Lumens.
	Canto Astro Model 250 HP LED Followspot Fixture With Flicker Free Power Supply, Douser/Iris, Black Tripod, Caster Kit, 5-Color Frame Boomerang, Electronic Power Supply, Cabling, Gel Pack, Spigot, Gobo Holder, Casters, Etc. Provide With Standard 5-Color Boomerang With Gels, DMX Dimming, One Set Of Custom Gobo's Per Owner As Indicated. All Parts Must Be Factory Finished Black Powder Coat. Provide Each Followspot With A Manufactuer Furnished Telrad Reflex RG/Tools For Stagecraft Or Equal Spot Dot 3.0 Selectable Red/Green Dot Sight System, Extension Base, Socket Adapter & Magnetic Base Scope Mount With Mounting Base. Provide Arriba Style Padded, Zippered Case For Each. Fully Set Up & Instruct Owner On Typical Sight Use. Provide Each With (12) Duracell AA ProCell/2032 Coin Cell Batteries.	250 Watt White Light LED Engine

5

Note: All Fixtures/LED Arrays Shall Be 120 Volt Versions.

Provide All Fixtures With Malleable Iron C-Clamp (Except As Noted Otherwise), 30" Black Safety Cable With 5/16" Spring Clip - Fehr Bros Industries Product Code # 39312-30B Or Equal (Motorized Head & Strip Style Fixtures Up To 50 Lbs. Each Get Two Safety Cables; Fixtures Heavier Than 50 Lbs. Each Get Three Safety Cables), Gel Frame & Holder And 36" Long Power Cable (Unless Otherwise Noted).

Label Each Fixture, Data & Lighting Power Cable As To Type & Length At End With Self-Laminating Or Clear Heat Shrink Style Labels.

All Devices Have Been Located In Approx. Installation Locations; However, Obtain All Final Locations In Writing From The Owner Or Owner's Representative Prior To Locating Fixtures & Incorporating Into Overall Focus Plot (This Includes Locations For All Previously Removed Fixtures Being Incorporated Into New Focus Plot-None Of These Fixtures Have Been Shown On This Plan. Fixtures Shown Here Are New Fixtures Only).

Swap Out (At No Additional Cost) Ellipsoidal Barrels As Needed In Order To Satisfy Owner & Provide Appropriate Beam Spread Patterns For All Positions)

Provide All Fixtures In This Symbols Key With All Of The Appropriate Portable Cabling, C-Clamps, Safety Cables, Etc. As Needed In Order To Provide A Complete & Functioning System. This Includes DMX Addressing & Setup, PowerCon & Network Cables, Spare Lamps, Etc. As Well As All Tie Lines, Yoke Markings, Etc. The TC Shall Uncrate, Assemble, Burn-In, Address, Group, Hang & Focus All Of These Fixtures Per The Owner's Instructions, Ready For Use. All Accessories, Markings, Etc. Noted Are Required For All Fixtures.

Provide Spare Lamps For Incandescent Fixtures As Indicated In These Symbols Keys. In Removals Notes & In Written Specifications. Typically 10% Spares Is Required.

Label Each Fixture Yoke With Fixture Wattage, DMX Address, Etc. In Black Block Lettering On Safety Yellow Gaff Tape Or Other Durable Label.

PROVIDE THE FOLLOWING PORTABLE EQUIPMENT:

5

Equipment	Quantity
5' Portable M/M Network Cables	4
15' Portable M/M Network Cables	2
5' Portable Gender-Bender DMX Cables - M/M	2
5' Portable Gender-Bender DMX Cables - F/F	2
Neutrik Ethercon Coupler (NAC3M M-1)	2
5' Portable M/F DMX Cables (3 Pin/5 Pin)	8
10' Portable M/F DMX Cables (3 Pin/5 Pin)	6
15' Portable M/F DMX Cables (3 Pin/5 Pin)	4
25' Portable M/F DMX Cables (3 Pin/5 Pin)	2
5' - 12 Gauge TMB DataPlex/Power Banded Combo Cable Or Equal Power/DMX Jumper Cables (3 Pin/5 Pin/True1/PowerCon As Required)	8
10' - 12 Gauge TMB DataPlex/Power Banded Combo Cable Or Equal Power/DMX Jumper Cables (3 Pin/5 Pin/True1/PowerCon As Required)	6
25' - 12 Gauge TMB DataPlex/Power Banded Combo Cable Or Equal Power/DMX Jumper Cables (3 Pin/5 Pin/True1/PowerCon As Required)	2
Samson Tie Line/Rip-Tie Hook & Loop Velcro, 500'/600' Rolls. Black. Breaking Strength Approx. 100 Lbs./WLL 15 Lbs.	2
Global Industrial Or Equal Storage Bin Or Wheeled Pack Cart System For All Portable Cabling (See Details For More Info)	As Required

Note: Portable Equipment Schedule Is Spare Portable Cabling And All Cabling Is Intended To Be A Spare Inventory Of Cabling For The Owner's Use & For Interfacing Lighting Equipment To Duplex, Pin & Connector Strip Outlets And For Interfacing Multiple Fixtures Per Circuit Plug.

The Cables & Portable Equipment Indicated On This Schedule Are Not All Inclusive & Are In Addition To Those Noted Elsewhere On This & Other Drawings & Are In Addition To Those Needed To Interconnect Fixtures/Connector Strips/Outlets Shown. Provide Any & All Additional Cables As Necessary For A Complete & Fully Functioning Lighting System, Even If Those Cables Do Not Appear On This Or Other Schedules.

M/F - Stands For Male To Female.
M/DF - Stands For Male To Double Female.
M/M - Stands For Male To Male.
F/F - Stands For Female To Female.

Provide Cables & Training To Owner On Proper Use Of Cables & Cable Wire Gauges. Do Not Exceed Rated Amperage Of Cabling.

Provide All DMX Style Interface Cables With The Pin Configuration Of The Furnished Fixtures (3 Pin Or 5 Pin). Provide Adapter Cables As Necessary.

Provide All Daisy Chained Combo Style Fixture Cabling As 12 Ga. TMB Products Banded Combo Cable In Lengths As Required.

For All Combo Cables - Provide The Specific Types/Style Connector As Required For The Fixtures Included In This Project. Some May Require Standard Powercon Connectors. Some May Require True1 Connectors. If There Are A Variety, Then Provide A Balanced Mix Of Jumpers Per The Ratio Of Fixtures Needing Them.

Label Each Portable Cable As To Type & Length At Both Ends With Self-laminating Or Clear Heat Shrink Style Labels.

All Cables Listed Above Shall Be Provided In Black.

See Other TL Series Drawings For Additional Details Regarding Some Of The Above Listed Devices & Cables.

GENERAL FIXTURE & PORTABLE CABLING PACKAGE NOTES:

The Cable Lengths Indicated In The Included Keys/Tables Are In Addition To All Required Hookup Cabling For The Initial Focus Plot. All Indicated Cabling Is Intended To Be The Owner's Spare Portable Cabling Inventory That Can Be Used To Interface New Fixtures Into The Plot And/Or To Reconfigure/Combine Existing Fixtures Per Future Requirements.

For All Cabling Required For The Initial Fixture Plot Interconnects, Field Verify & Provide All Required Cabling In Order To Mount Fixtures Per Owner's Lighting Plot. Ensure That All Initial Plot Cable Lengths Are Of Sufficient Length For The Indicated Interconnection And Placement Of Devices. If Longer Cable Lengths Are Required To Reach Device Placements, Then Provide Longer Cables As Needed. All Cabling Should Have Sufficient Length To Reach The Next Indicated Device Without Stretching The Cable, Swagging The Cable Unsupported Through The Air Between Fixtures Or Stressing The Connectors. Typical Cable Dress Should Be From Device, Back Through Fixture Yoke, Neatly Wrapped Along Pipe To Next Device Location, Through Fixture Yoke And Then To The Indicated Device. No Cables Are To Be Stretched From Device To Device Through The Light Output Pattern Of A Fixture Or Across The Path Of Any Other Device. This Note DOES NOT Apply To Any Cables In The Spare Portable Equipment List. Provide Those Types Of Cables In The Lengths Indicated.

Every Portable Cable Shown Or Referenced On The TL Series Drawings Shall Have One 24" Piece Of Samson Black Braided Tie Line/Rip-Tie Hook & Loop Black Velcro (16" Tie Line For Portable Cables Under 8' In Overall Length) Choked Onto One End Approx. 1" From The Connector. All Tie Line Must Be Color Matched To The Cordage (White For White, Black For Black, Etc.).

Terminate DMX Runs As Required. This Is To Ensure Constant Voltage Across All Units, To Maintain Data Signal Integrity & Full Fixture Functionality, To Reduce Line Loss And To Provide Data Signal Termination As Required And As Specified By Each Manufacturer.

The Physical Fixture Layout Locations Shown On This Drawing Are Not Intended To Be A Final Lighting Plot. The Actual Fixture Plot & Physical Fixture Layout Is TBD By The Owner During The Focus Plot Day(s) And Arranged As Such By The Installing Contractor. Fixtures Shown In Line With Other Fixtures, Even If They Appear Beyond The End Of A Connector Strip Or Other Related Device, Are Intended To Be Mounted On That Same Batten Or Device Together With The Others Next To Them.

The Physical Followspot Fixture Locations Shown On This Drawing Are Diagrammatic. The Actual Fixture Locations Is TBD By The Owner And Within The Confines Of All Related Codes, Standards, Operator Safety, Emergency Egress Compliance, Etc. Since These Fixtures Must Be Operated During Performances, They Are Not Recommended To Be Placed In Locations Where Two Means Of Egress Do Not Exist.

Gather All Bundled Cabling Together Every 12" With Black Cord-Lox Style Velcro Closed Loop Series Tie Wraps. Tie Wraps Shall Be Installed Snugly But Not Too Tightly.

Velcro Wrap All Network/DMX Cabling To The SO Cable Every 12" With Black Cord-Lox Style Velcro Closed Loop Series Straps. Straps Shall Be Installed Snugly But Not Too Tightly. The Intent Is For The Straps To Be Installed Loosely Enough For The Network/DMX Cabling To Slip Through The Straps As The Associated Set Is Moved Up/Down Through Its Total Travel Range. Due To Cabling Differences With The SO Cable & Unequal Movement Characteristics, Network/DMX Cabling Shall Not Be Permanently Bonded With Or Too Tightly Mechanically Attached To The SO Cabling. Operate Each Related Set And Ensure That The Network/DMX Cabling Does Not Become Stressed Or Stretched Taught During Any Portion Of Normal Set Travel/Movement.

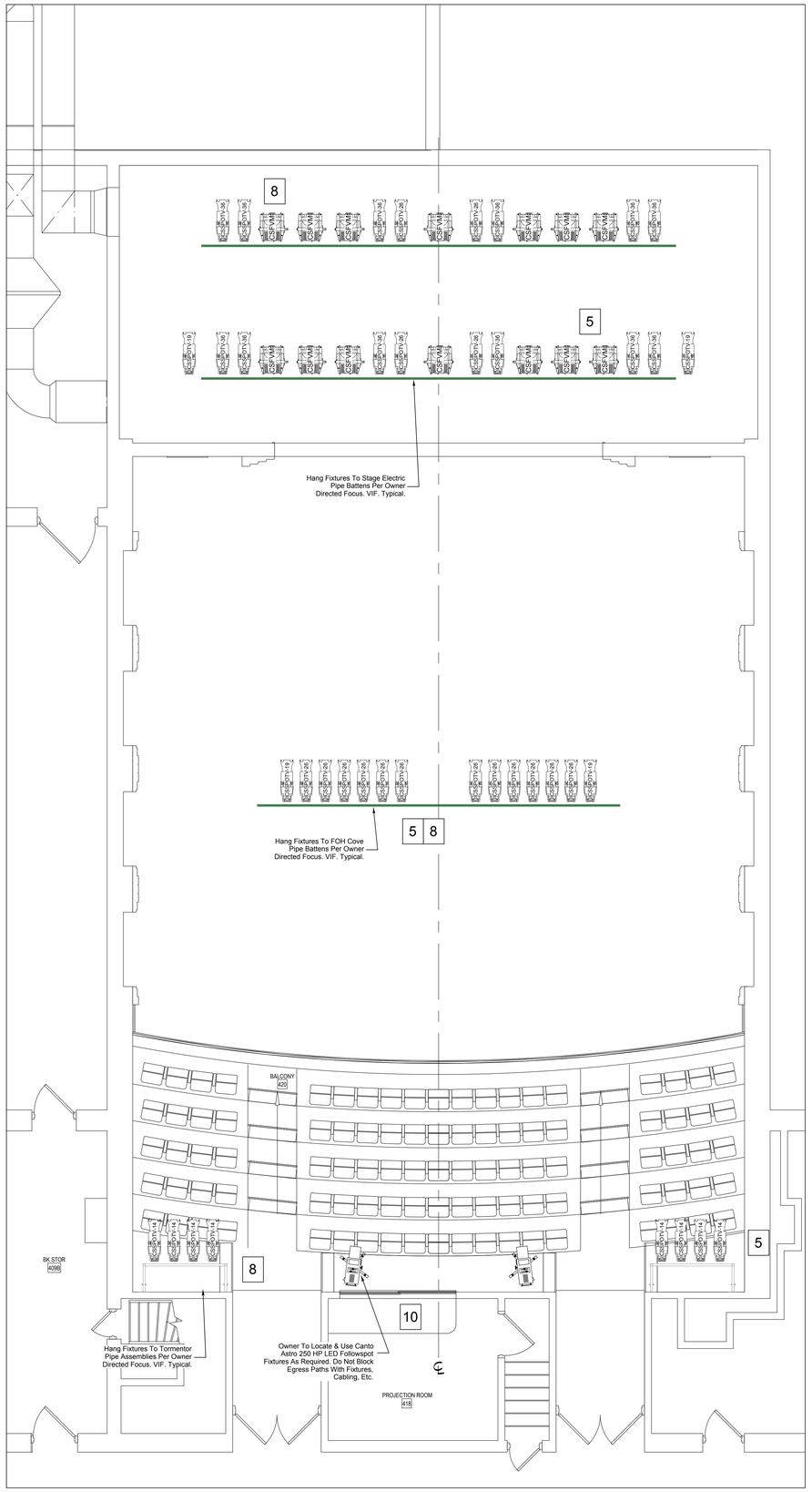
The Theatrical Lighting Fixtures Shall Not Be Installed In This Space Until All Dust Creating Work, Paint Work, Drywall Work, Sanding Work Has Been Completed And All Dust/Debris Has Been Cleaned Up. If Fixtures Must Be Installed Prior To Completion Of This Work Or Cleanup, Then They Must Be Fully Wrapped In Heavy Duty Plastic Bags That Are Taped Shut. Fixtures May Not Be Powered On Or Even Plugged Into Power While Bagged.

Instruct The Owner On The Hazards Of Leaving Theatrical Fixtures On For Long Periods Of Time While Aimed Directly At Sensitive Items Such As Curtains, Scrims, Cycloramas, Projection Screens Or Shells. Fixtures Should Only Be On For The Duration Of Scenes, Etc. And Not Aimed At Or Focused On Full For Hours Onto Any Potentially Flammable Items Such As Those Noted Above, Even Though These Items May Have Flame Retardant Characteristics.

FIXTURE WARRANTY NOTE:

ANY FIXTURE SUBSTITUTED FOR THE SPECIFIED ETC LED FIXTURES PROVIDED AS PART OF THIS PROJECT SHALL FEATURE THE FOLLOWING WARRANTIES TO MATCH THE SPECIFIED MANUFACTURER'S STANDARD WARRANTY:

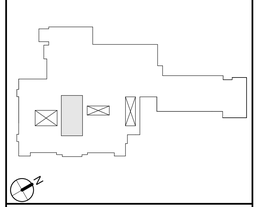
- 5 YEAR FULL FIXTURE WARRANTY
- 10 YEAR LED ARRAY WARRANTY



1 UPPER LEVEL THEATRICAL FIXTURE PLAN
TL302 1/4" = 1'-0"

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KEY PLAN



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Project Title:

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

JAMES R. BARRETT
STATE OF NEW YORK
073467
LICENSED PROFESSIONAL ENGINEER
EXPIRES 5/31/2029

	DATE	DESCRIPTION

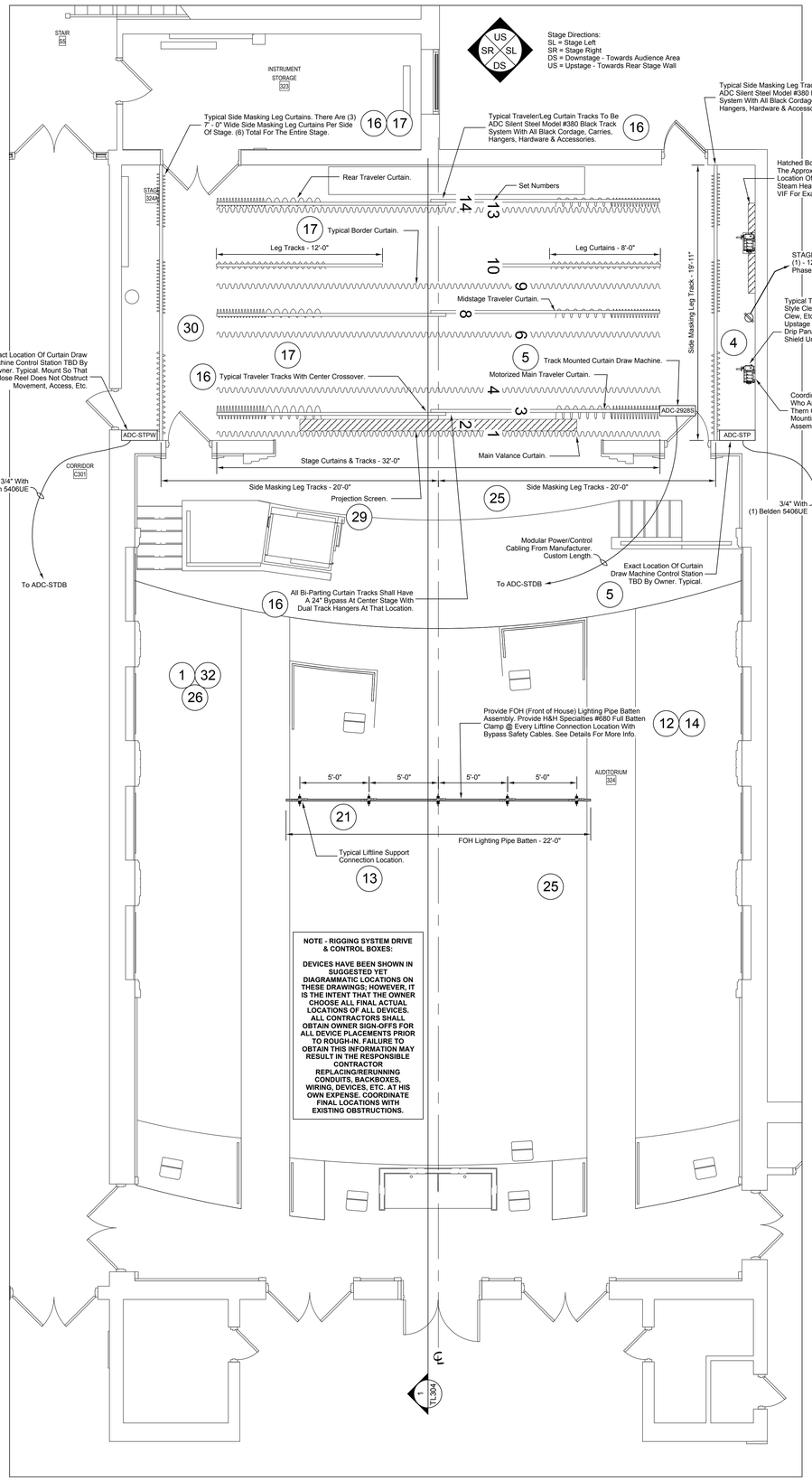
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Sheet Title
THEATRICAL LIGHTING SYSTEM THEATRICAL FIXTURE PLAN

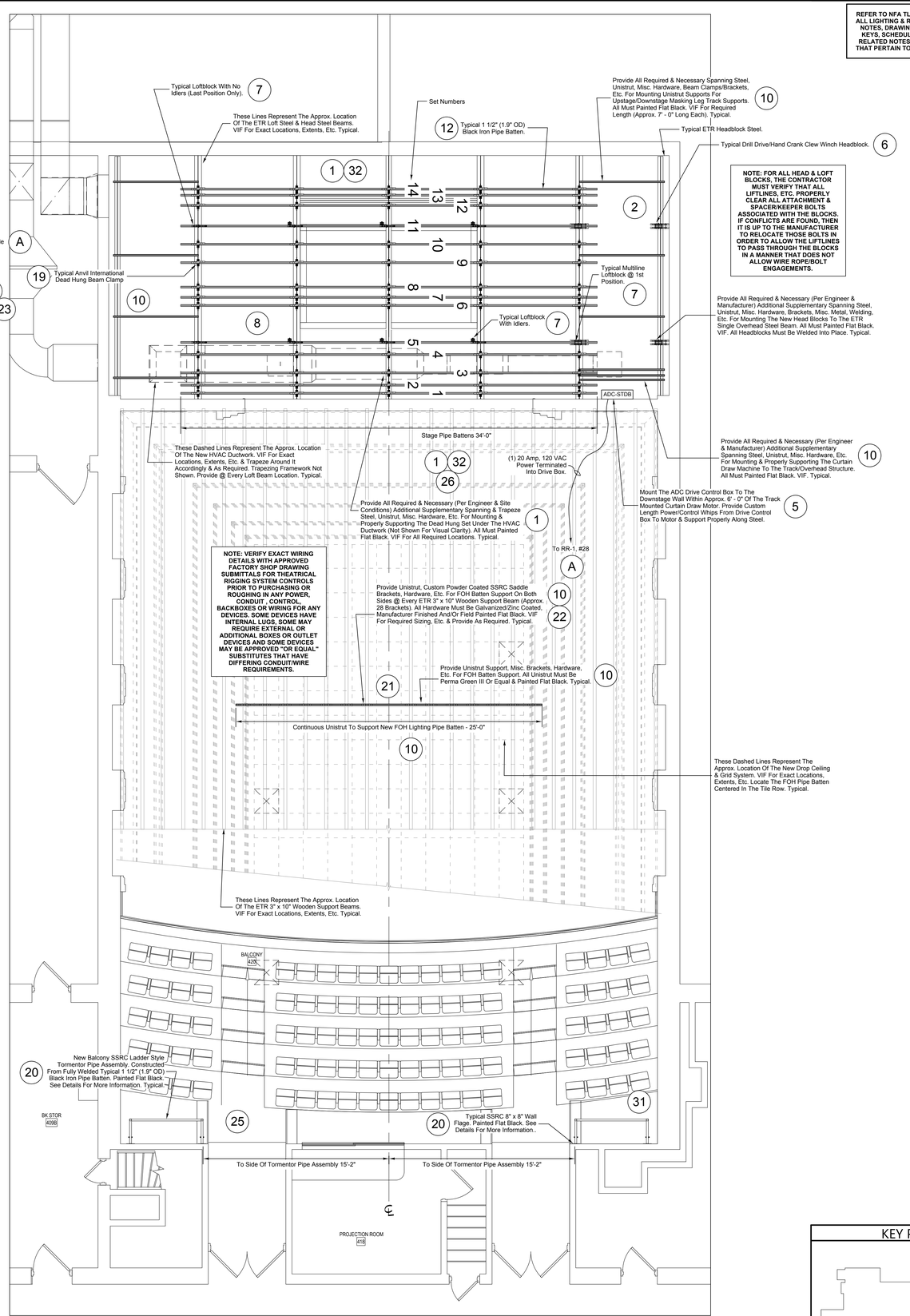
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CONSTRUCTION DOCUMENTS

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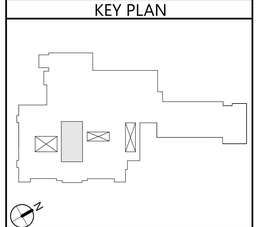


1 LOWER LEVEL CURTAIN, TRACK & CONTROL PLAN
TL303 1/4" = 1'-0"



2 UPPER LEVEL BATTEN, BLOCK & CONTROL PLAN
TL303 1/4" = 1'-0"

KEY PLAN



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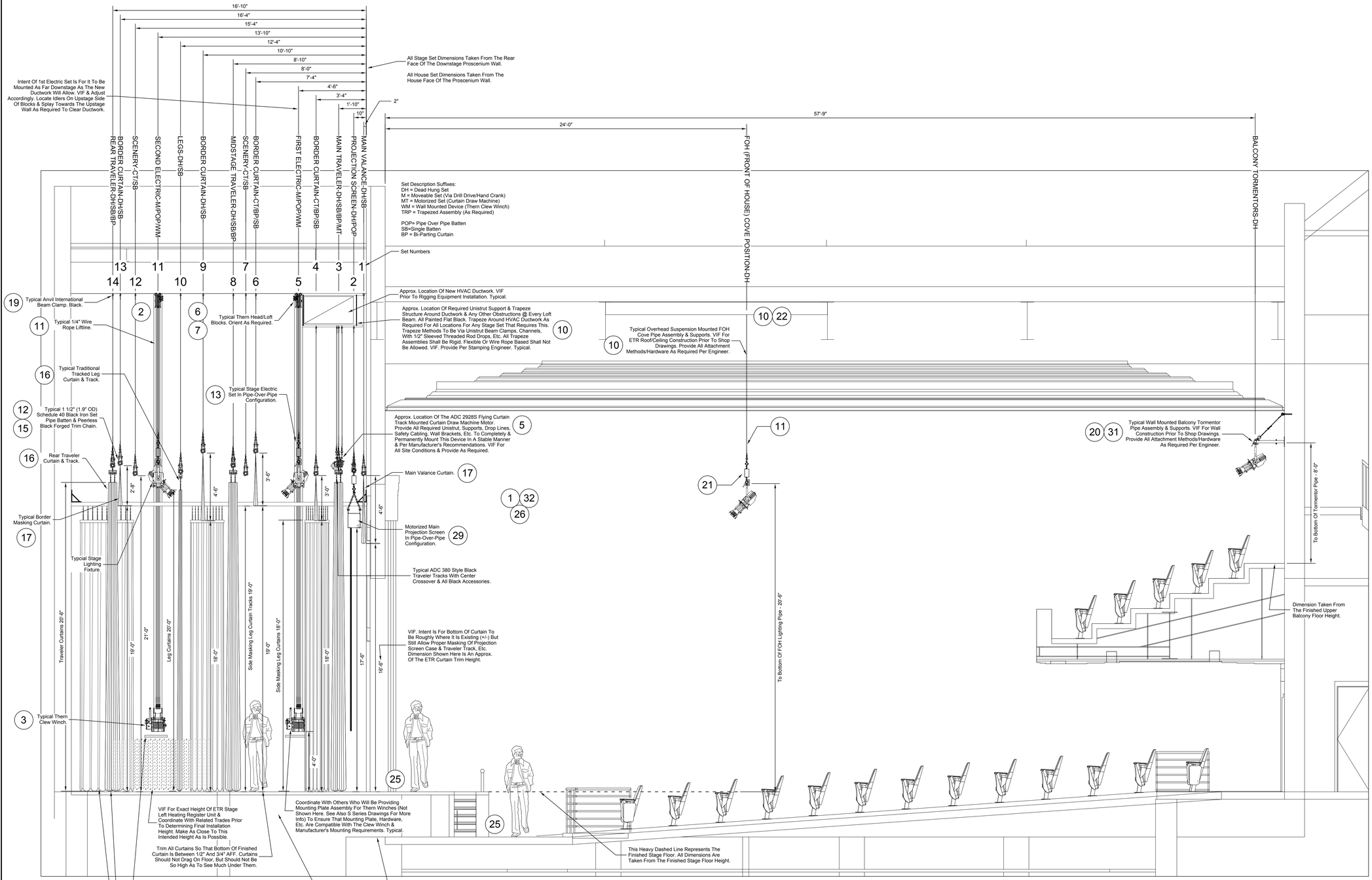
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Sheet Title
THEATRICAL RIGGING SYSTEM BATTEN, BLOCK, CURTAIN & CONTROL PLANS

Sheet No:
NFA
TL303

CONSTRUCTION DOCUMENTS

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1 THEATRICAL RIGGING SYSTEM SECTION

TL304 3/8" = 1'-0"

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Sheet Title:

THEATRICAL RIGGING SYSTEM SECTIOM

Sheet No:

NFA TL304

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Provide:

(1) ETC Element 2 - 6K Lighting Console
(2) LED Touchscreen Monitors - Dell P2424HT (Or Current Replacment Model) 24" Full HD 16:9 Multitouch LED Touchscreen Monitor - Dark Gray/Black
(2) 25' Portable Network Cables (Console & Computer To Network Plates - Gepco CT Series Heavy-Duty Tactical Style Cables)
(1) Chief Manufacturing K1D220B Or Current Equivalent Dual Swing Arm Monitor Mount (To Mount LCD Monitors)
(1) 35' Black Edison To Edison Extension Cord
(2) SL Waber-By-Tripp Lite Deluxe Style Metal Box Multiple Outlet Strip
(3) 6' Display Port Cables (Console To Monitors)
(2) 6' USB Cable (From Console To Touchscreen Monitors)
(1) APC Smart-UPS 1500VA Pure Sine Wave USB Model # SMT1500X413 (Locate Under Control Booth Counter - To Power Lighting Console, LCD Monitors & Related Equipment)
(3) X-LED Series Littlelight Gooseneck Work Lights (Provide Powered Base As Needed & 18" Long Versions Of Fixtures)
(1) USB Extended Keyboard - Black
(1) USB 2-Button Laser Mouse - Black
(1) Heavy-Duty Keyboard/Mouse Drawer/Tray (Sunway SL7408BK Or Equal Mounted To Underside Of Countertop)
(1) Multi-Port USB Hub
(1) 32GB USB Memory Stick (Thumb Drive)

Route All Monitor Wiring Through Chief Mount Cable Management Areas Per Manufacturer's Recommendations

Any Other Miscellaneous Cables Needed To Complete The System. See Other TL Series Drawings For More Information. Note That All Loose Lighting Or Power Cables & Wiring Must Be Dressed Neatly With Tie Wraps & Eyes Or Ring Runs & Tucked Up Against Underside Of Lighting Countertop.

Dell P2424HT 24" 16:9 10-Point Touchscreen IPS Monitor (Or Current Replacment Model) 24" Full HD 16:9 Black Multitouch LED Touchscreen Monitor

Dell P2424HT 24" 16:9 10-Point Touchscreen IPS Monitor (Or Current Replacment Model) 24" Full HD 16:9 Black Multitouch LED Touchscreen Monitor

8

10

5

(1) ETC Element 2 - 6K Lighting Console

1 I

Lighting Device Outlets — RR-1, #26 — A

(Duplex Outlet Device)

(DMX I-2) DMX Input DMX Input — Lighting Device Hookup Only

D — 1" With (2) Belden 1583A

(N) Lighting Network - Lighting Device Hookup Only — Net # X - Max Additional Length XX' — 3/4" With (1) Belden 1583A — G

Located In Lower Rear Control Area

Followspot Plug-In — RR-1, #29 — (Duplex Outlet Device) (Duplex Outlet Device)

Located Outside Upper Balcony Control Area

5

(DMX I-2) DMX Input DMX Input — Lighting Device Hookup Only

1" With (2) Belden 1583A

Lighting Device Outlets — RR-1, #27 — A — (Duplex Outlet Device)

(N) Lighting Network - Lighting Device Hookup Only — Net # X - Max Additional Length XX' — D — 3/4" With (1) Belden 1583A

Located In Upper Balcony Control Area

All Rack Mounted Devices Shall Be Properly Mounted On Rack Panels. Provide DIN Rail In Drawer Type Configuration. No Devices Or Related Wiring May Interfere With Front Rack Door Closing. All Internal Rack Wiring Shall Be Similar To Those Types Shown & As Per Manufacturer's Recommendations.

(CR) Communications Rack Shall Be A Mid Atlantic DWR Series Rack. Provide DWR-35-26 (Unless Larger Is Required):

Provide All Of The Following For The Designed System: ETC Echo System Brain, DMX Snapshot, Doug Fleenor Design Or Equal DMX Merger(s), Opto D-Box, Misc. Power Supply(ies) As Required, Network Gear, DMX Gateways, Ethernet PoE Switch(es), DIN Rail Mounted PS435/E-SPS-DIN 24V Power Supply For EchoConnect System, Patch Panel(es), Rack Mount DMX Opto Splitters, EM Devices, Cable Management Panel(s), Brush Panel(s), One Four Space Mid Atlantic Locking Rack Drawer, Littlelight Rack Mount Panel Kit(s), DIN Rail Mount System, Blank & Vent Panels, Ethernet Patch Panel Legend On One Of The Blank Panels, Other Related & Necessary Misc. Equipment. Provide With Vent Panels In All Blank Spaces. Provide With Mid Atlantic UPS-2200R Rack Mounted Pure Sine-Wave Backup UPS With Mid Atlantic UPS-EBPR Expansion Battery Pack To Power All Lighting Control Equipment And Entire Rack Backup Power Supply Located Within. (Size Rack Per Equipment Specified). Provide The Rack In A Depth That Is Deep Enough So All Gear & Related Cabling Fits And So That None Of The Gear Blocks Access To The Outlets In The MPR/PD Series Modules (At Least 26" Deep Model). Locate All Rack Rails So That Rack Door(s) May Be Closed Without Engaging Equipment. Provide All Devices With Required Power Supply Device(s). Provide Rack Mounted Power Distribution Equipment. Provide Additional Equipment As Is Necessary To Make A Complete & Fully Functioning System.

LED LittleLight Panel
Blank Panel With Echo System & DIN Rail Equipment Behind
Patch Panel
Cisco PoE Switch(es)
Patch Panel Legend(s)
DMX Gateway(s)
DMX Gateway(s)
4 RU Locking Rack Drawer
5
(Provide All Internal Rack Power, Power Distro, Power Supplies, DIN Rails And DMX & Network Wiring)
Vent Panel
Mid Atlantic UPS-2200R
Mid Atlantic UPS-EBPR

Communications Rack (CR)

CR RACK AC POWER:
(2) Circuits - 20 A, 1 Phase, 120 VAC Mount Within CR. RR-1, #23 & 29. #23 To Power Normal Devices, Etc. & #29 To Power The SC1008 Device.

A

Provide As Required Per EM Requirements, Manufacturer Requirements, NEC, Etc.

See Plan View Drawings & To The Left For Individual Runs Required. DO NOT Combine Into Single Conduit. Shown As One Line For Visual Clarity Only.

Provide As Required Per Circuit Count, EM Requirements, Manufacturer Requirements, NEC, Etc.

Normal Power Source Feed(s)

Relay Rack Power Panel: ETC Unison Echo Relay Rack. ERP-24R1- 24B1, 120/208 VAC, Mains Fed Panel With Network, Door, Breakers/Relays, 200 Amp, 120V, 3 Phase Feed Main Breaker. Provide With Ride Thru Option & All Accessories As Required. Rack May Need To Be Upgraded To A Sensor IO 48 Depending On House & EM Lighting Constraints. VIF & With Engineer/Manufacturer Prior To Submissions.

See E Series Drawings For Conduit Size & Wire Types (Per NEC) & Feed Panel/Circuit Designations.

RELAY PANEL AC POWER: 5 Wire 3 Phase, 200 A, 120/208 VAC

6

RR-1

ETC Unison Echo Relay Panel. ERP-12R1-12B1-ML3P/ ERP-MB100A10K, 120/208 VAC, Mains Fed Panel With (12) Individual Breakers/Relays, EchoConnect, Network Card, Door, Main Breaker (MCB), UPS Control Backup & Wiring Kit, Ride Thru Option, All Required Electrical Tie-In For UPS, Etc.

Provide With All Required Options & Install MCB In Rack.

5

Provide All Internal Network/DMX Style Wiring, Etc. Needed Inside The Relay Panel & All Required Interconnections & Feeds To External Equipment.

Individual Panel Contains All Load Breakers & Relays. See Manufacturers Data Sheets For Line/Load & Panel Wiring Details.

Control Hookup By Factory Technician.

For Relay Circuits Powering LED Fixtures, Set Dimmer Profile To Be On In All Cues, Etc. So That LED Fixtures Are Always Powered On During Performances. Relays Shall Be Set To Be Turned Off When System Is Not In Use In Order To Preserve The Electrical Life Of Fixtures & To Cycle. Perform This Function In The Architectural Control System Programming Software.

5 - 20 AMP NON-DIMMED RELAY CIRCUITS.
FOH CONNECTOR STRIP CIRCUITS: # 1 - 5 (5 CIRCUITS)

5 - 20 AMP NON-DIMMED RELAY CIRCUITS.
Flexible SO & Network Cables - Typical Of All Stage Electrics. E H
GUB-1
FIRST STAGE OUTLET BOX CIRCUITS: # 6 - 10 (5 CIRCUITS)

5 - 20 AMP NON-DIMMED RELAY CIRCUITS.
Flexible SO & Network Cables - Typical Of All Stage Electrics. E H
GUB-2
SECOND STAGE OUTLET BOX CIRCUITS: # 11 - 15 (5 CIRCUITS)

C G

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — AISLE LIGHTING CIRCUIT: # 16 (1 CIRCUIT)

5 - 20 AMP NON-DIMMED RELAY CIRCUITS. — HOUSELIGHTING LIGHTING CIRCUITS: # 19 - 22 (4 CIRCUITS) K

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — COMMUNICATIONS RACK CIRCUIT: # 23 (1 CIRCUIT)

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — STAGE WORKLIGHTING CIRCUIT: # 24 (1 CIRCUIT) K

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — UPPER/LOWER LEVEL CONTROL BOOTH CIRCUIT: # 26 (1 CIRCUIT)

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — STAGE DRILL DRIVE CIRCUIT: # 27 (1 CIRCUIT)

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — CURTAIN DRAW MACHINE CIRCUIT: # 28 (1 CIRCUIT)

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — SC1008 CIRCUIT: # 29 (1 CIRCUIT)

1 - 20 AMP NON-DIMMED RELAY CIRCUIT. — FOLLOWSPOT FIXTURE OUTLET CIRCUIT: # 30 (1 CIRCUIT)

A B

3/4" With (1) Belden 1583A — D — 10

G — 1.5" With (4) Belden 1583A — D — 1

9 — Each To Be 1" With (2) Belden 1583A

7 — 1" With (2) Belden 1583A

Located On Upstage Right Wall — Network Pull Box #1 (Lighting Network Wiring Inside) (NPB-1)

Each To Be 1" Painted Black Flex With (2) Belden 1583A

Located In TEOB-1 — DMX Output DMX Output — Lighting Device Hookup Only — (2D-G)

Located In TEOB-2 — DMX Output DMX Output — Lighting Device Hookup Only — (2D-G)

Located In FOH Electric Connector Strip — DMX Output DMX Output — Lighting Device Hookup Only — (2D-G)

(3D Device) Data Out Data In — (3D Device)

Ultra-Flexible Black Jacketed TMB DataPlex/SSRC AES/EBU Or Equal DMX Style Data Cabling To Outlet Box Top Hat. Provide Onstage Typical.

5

Located In SEOB-1 — DMX Output DMX Output — Lighting Device Hookup Only — (2D-G)

Located In SEOB-2 — DMX Output DMX Output — Lighting Device Hookup Only — (2D-G)

Owner Selected Name Here — Located At The Stage Right Entry — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

2

Owner Selected Name Here — Located At The Stage Left Entry — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

Located On The Stage Right Wing Wall — Lighting System Control Screen (ECHO-T) Touch Screen Anywhere To Activate — 1" With (1) EchoConnect + 24VDC — (ECHO-T)

G — PROVIDE ALL HOME RUNS TO CR AS INDICATED. SEE PLAN VIEW DRAWINGS FOR MORE INFO.

5

Located At The House Rear Right Center Entry — Owner Selected Name Here — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

Located At The House Rear Right Entry — Owner Selected Name Here — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

F

Located At The House Rear Left Center Entry — Owner Selected Name Here — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

Located At The House Rear Left Entry — Owner Selected Name Here — (E1006)

F

Located At The Balcony Left Entry — Owner Selected Name Here — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

Located At The Balcony Right Entry — Owner Selected Name Here — 3/4" With (1) Belden 8471 (1) #14 — (E1006)

2

Normal Power Source Feed(s)

G

From RR-1, CR Or Other Low Voltage/EM Sources.

DMX/0-10V EM Feed(s)
EM Power Source Feed(s)
Sense Feed(s)

J

(SC1008-1) (SC1008-2) (SC1008-3) (SC1008-4) (SC1008-5)

5

To Approx. (7) Underbalcony Fixtures Noted On E Series Drawings As "EM"

To Approx. (4) Stage Works Fixtures Noted On E Series Drawings As "EM"

To Approx. (2) Main Floor Outer Ring Fixtures Noted On E Series Drawings As "EM"

To Approx. (6) Main Floor Drop Ceiling Fixtures Noted On E Series Drawings As "EM"

To Approx. (4) Overbalcony Fixtures Noted On E Series Drawings As "EM"

1 SINGLE LINE FLOW DIAGRAM
TL401 SCALE: NONE

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK · JAMES R. BARRETT · 073467 · LICENSED PROFESSIONAL ENGINEER
EXPIRES 5/31/2029

	DATE	DESCRIPTION

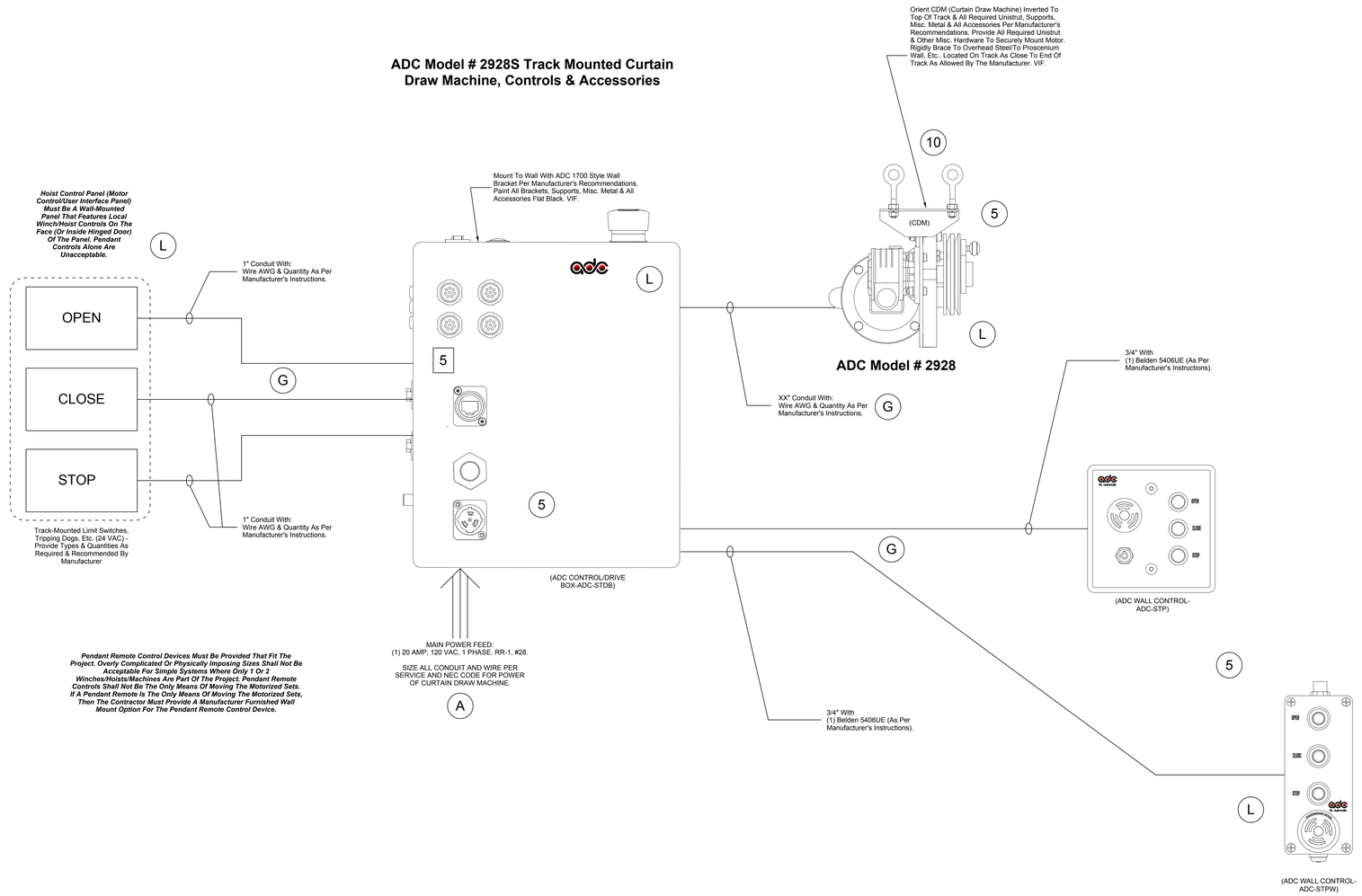
Drawn By:	SPJ
Checked By:	SPJ
Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-25M
Issued for Bid:	10/13/2025

Sheet Title
THEATRICAL LIGHTING SYSTEM SINGLE LINE FLOW DIAGRAM

Sheet No:
NFA TL401

CONSTRUCTION DOCUMENTS

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



1 CURTAIN DRAW MACHINE SINGLE LINE FLOW DIAGRAM
TL402 SCALE: NONE

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AUDITORIUM RENOVATION



EXPIRES 5/31/2029

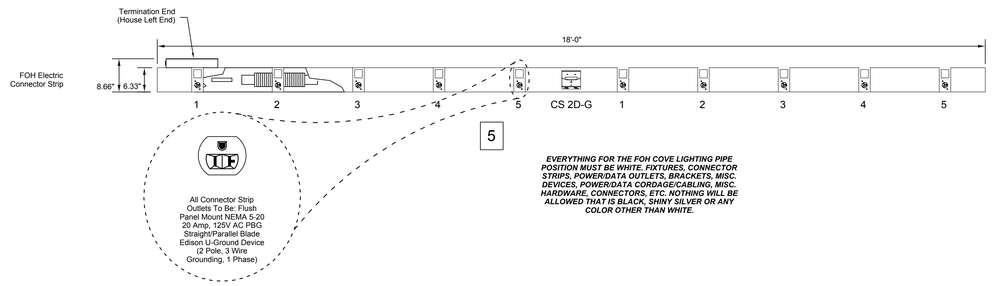
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Checked By:	SPJ
Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title:
THEATRICAL RIGGING SYSTEM SINGLE LINE FLOW DIAGRAM

Sheet No:
NFA TL402

CONSTRUCTION DOCUMENTS



Connector Strip Shall Be Oriented So That The Connectors And Circuit Numbers Are Facing The Rear Auditorium Wall.

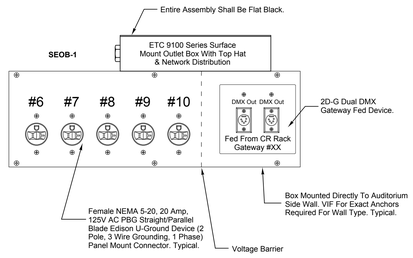
Contractor Shall Provide Connector Strip Brackets As Indicated On TL Series Drawings.

All Circuits Shall Be Labeled With Standard 2" Tall, Die-Cut, Black-On-White Stick-On Lettering.

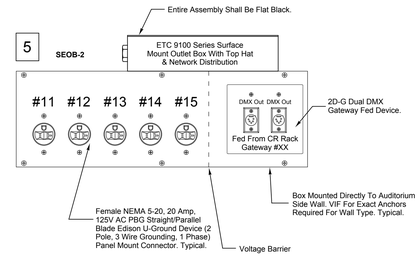
EVERYTHING FOR THE FOH COVE LIGHTING PIPE POSITION MUST BE WHITE. FIXTURES, CONNECTOR STRIPS, POWER/DATA OUTLETS, BRACKETS, MISC. DEVICES, POWER/DATA CORDAGE/CABLING, MISC. HARDWARE, CONNECTORS, ETC. NOTHING WILL BE ALLOWED THAT IS BLACK, SHINY SILVER OR ANY COLOR OTHER THAN WHITE.

1 HOUSE ELECTRIC CONNECTOR STRIP DETAILS
TL501 SCALE: 3/4" = 1'

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



1st Stage Electric Outlet Box



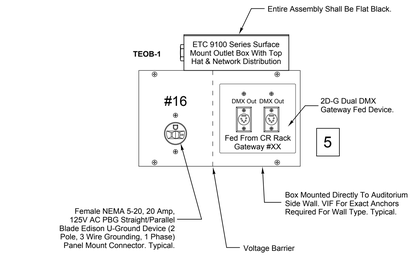
2nd Stage Electric Outlet Box

2 STAGE OUTLET BOX DETAILS
TL501 SCALE: 3" = 1'

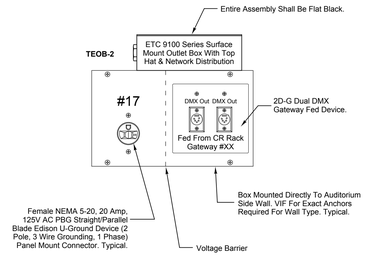
<NEWBURGH FREE ACADEMY; NORTH CAMPUS> - RELAY RACK #1 PANEL/CIRCUIT SCHEDULE								
Description	**Rack**	**Circuit #**	**Breaker Size**	**Terminated To**	**Via GIJB-X**	**Running Total Circuit #**	**Breaker Poles**	**Type**
FOH (Front of House) Circuit	RR-1	1	20 Amp	FOH Cove Electric Connector Strip (CS)	N/A	1	1	Relay
FOH Circuit	RR-1	2	20 Amp	FOH Cove Electric CS	N/A	2	1	Relay
FOH Circuit	RR-1	3	20 Amp	FOH Cove Electric CS	N/A	3	1	Relay
FOH Circuit	RR-1	4	20 Amp	FOH Cove Electric CS	N/A	4	1	Relay
FOH Circuit	RR-1	5	20 Amp	FOH Cove Electric CS	N/A	5	1	Relay
Stage Circuit	RR-1	6	20 Amp	1st Stage Electric Outlet Box (SEOB-1)	GIJB-1	6	1	Relay
Stage Circuit	RR-1	7	20 Amp	1st Stage Electric Outlet Box (SEOB-1)	GIJB-1	7	1	Relay
Stage Circuit	RR-1	8	20 Amp	1st Stage Electric Outlet Box (SEOB-1)	GIJB-1	8	1	Relay
Stage Circuit	RR-1	9	20 Amp	1st Stage Electric Outlet Box (SEOB-1)	GIJB-1	9	1	Relay
Stage Circuit	RR-1	10	20 Amp	1st Stage Electric Outlet Box (SEOB-1)	GIJB-1	10	1	Relay
Stage Circuit	RR-1	11	20 Amp	2nd Stage Electric Outlet Box (SEOB-2)	GIJB-2	11	1	Relay
Stage Circuit	RR-1	12	20 Amp	2nd Stage Electric Outlet Box (SEOB-2)	GIJB-2	12	1	Relay
Stage Circuit	RR-1	13	20 Amp	2nd Stage Electric Outlet Box (SEOB-2)	GIJB-2	13	1	Relay
Stage Circuit	RR-1	14	20 Amp	2nd Stage Electric Outlet Box (SEOB-2)	GIJB-2	14	1	Relay
Stage Circuit	RR-1	15	20 Amp	2nd Stage Electric Outlet Box (SEOB-2)	GIJB-2	15	1	Relay
Balcony Tormentor Circuit	RR-1	16	20 Amp	House Left Balcony Outlet Box (TEOB-1)	N/A	16	1	Relay
Balcony Tormentor Circuit	RR-1	17	20 Amp	House Right Balcony Outlet Box (TEOB-2)	N/A	17	1	Relay
Aisle Lighting Circuit	RR-1	18	20 Amp	Landed As Req. See E Series Drawings For More Info.	N/A	18	1	Relay
Houselighting Circuit	RR-1	19	20 Amp	Landed As Req. See E Series Drawings For More Info.	N/A	19	1	Relay
Houselighting Circuit	RR-1	20	20 Amp	Landed As Req. See E Series Drawings For More Info.	N/A	20	1	Relay
Houselighting Circuit	RR-1	21	20 Amp	Landed As Req. See E Series Drawings For More Info.	N/A	21	1	Relay
Houselighting Circuit	RR-1	22	20 Amp	Landed As Req. See E Series Drawings For More Info.	N/A	22	1	Relay
Communications Rack Power	RR-1	23	20 Amp	Duplex Outlet In Backpan Of Rack	N/A	23	1	Constant
Stage Worklighting Circuit	RR-1	24	20 Amp	Landed As Req. See E Series Drawings For More Info.	N/A	24	1	Relay
RR-1 Internal Rack Electronics Equipment	RR-1	25	20 Amp	Per Manufacturer	N/A	25	1	Constant
Upper/Lower Level Control Booth Circuit	RR-1	26	20 Amp	Duplex Outlet	N/A	26	1	Constant
Stage Drill Drive Circuit	RR-1	27	20 Amp	Duplex Outlet	N/A	27	1	Constant
ADC Curtain Draw Machine Circuit	RR-1	28	20 Amp	Directly Into ADC Drive Box Per Manufacturer	N/A	28	1	Constant
Communications Rack Power (SC1008 Devices)	RR-1	29	20 Amp	Directly To Devices As Required	N/A	29	1	Constant EM *
Followspot Circuit	RR-1	30	20 Amp	Duplex Outlet	N/A	30	1	Constant
* EM Signifies Emergency Related Circuits, Powered For Emergency Triggered Events. Provide Everything Required & Per Manufacturer's Instructions.								

A B

4 RELAY RACK CIRCUIT SCHEDULE
TL501 SCALE: NONE



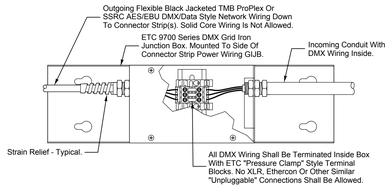
House Left Balcony Tormentor Outlet Box



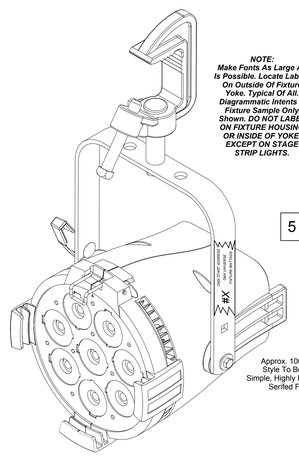
House Right Balcony Tormentor Outlet Box

3 BALCONY TORMENTOR OUTLET BOX DETAILS
TL501 SCALE: 3" = 1'

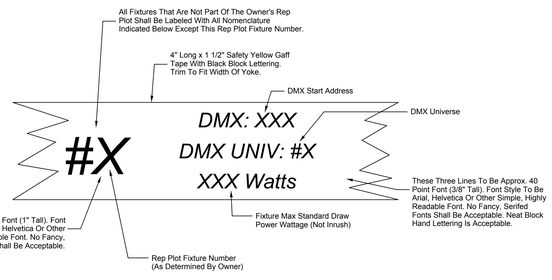
NOTE: Install All DMX Grid Iron Junction Boxes So That, If They Are Oriented Vertically, There Are No Unused Input/Output Connectors Facing Up (This Is In Order To Keep Dust Out Of Units, Connectors, Etc.). Provide Appropriate Covers/Caps For All Unused Input/Output Connectors. Do Not Leave Unused Strain Relief Whip In Place. Remove And Cap As Needed.



5 DMX GRID IRON JUNCTION BOX DETAIL
TL501 SCALE: NONE



NOTE:
Make Fonts As Large As Is Possible. Locate Labels On Outside Of Fixture Yoke. Typical Of All. Diagrammatic Intents & Fixture Sample Only Shown. DO NOT LABEL ON FIXTURE HOUSING OR INSIDE OF YOKE, EXCEPT ON STAGE STRIP LIGHTS.



NOTE:
Rep Plot Fixture Numbering Shall Be As Determined By Owner & This Numbering Shall Match On Fixtures & Battens. Do Not Restart Numbering Based Upon Installation Locations. Provide A Single Sequence Of Ascending Numbers For All Rep Plot Fixtures. Provide The Owner With (2) Legal Sized, Laminated Copies Of Rep Plot Fixtures With Numbering, Locations, DMX Start Address, DMX Universe & Wattage For Reference.

6 FIXTURE LABELING INTENTS DETAIL
TL501 SCALE: NONE

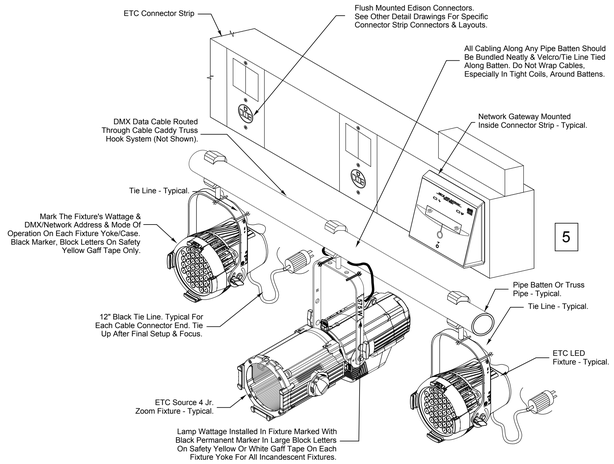
NOTE: The Intent Is For All Fixture & Data Cabling To Be Managed Well And Tied Up To The Battens In A Neat And Orderly Fashion.

All Cords/Cables Shall Have An Approx. 24" Long Piece Of Black Tie Line Attached Near The End Of The Cord. After Final Fixture Setup & Field Focus With The Owner, The Contractor Shall Tie All Fixture Power Cords And DMX/Data/Network Cables To The Related Pipe Battens Pipes With Tie Line.

No Cabling Shall Be Allowed To Swag Below Or Loosely Between Fixtures Or To Connector Strip Outlets. All Cabling Shall Be Neatly Dressed & Tied To Pipe Battens In Such A Way So As Not To Become Tangled Or Caught In Any Related Or Adjacent Mechanisms.

Any Tie Wraps Used Shall Be Black & Shall Be Cut Off Flush With No Protruding Ends.

NOTE: Fixtures & Connector Strips Shown Are Diagrammatic ONLY & Do Not Reflect The Actual Aiming Or Types Of Fixtures. Refer To Other Drawing Notes For Specific Aiming Instructions. Some Fixtures (i.e. Stage Wash LED's) Are Intended To Be Aimed Straight Down (Vertically).



7 CABLE MANAGEMENT DETAIL
TL501 SCALE: NONE

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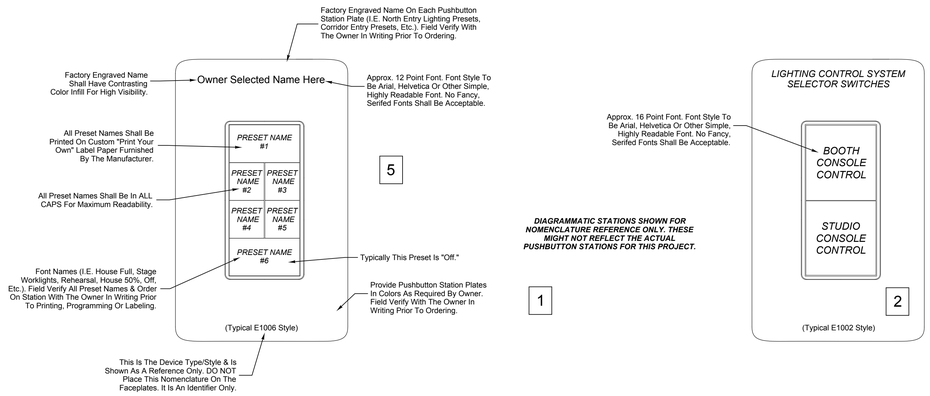
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Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title
THEATRICAL LIGHTING SYSTEM DETAILS

Sheet No:
NFA TL501

CONSTRUCTION DOCUMENTS



DIAGRAMMATIC STATIONS SHOWN FOR NOMENCLATURE REFERENCE ONLY. THESE MIGHT NOT REFLECT THE ACTUAL PUSHBUTTON STATIONS FOR THIS PROJECT.

1

ARCHITECTURAL CONTROLS PROGRAMMING REQUIREMENTS (PUSHBUTTON/FADER STATIONS) :

1. Stations shall control various preset "looks" (i.e. walk-in, rehearsal, control booth only, studio only). The preset "looks" (via the preset buttons) shall be as directed by the owner or owner's representative. The last button shall be OFF.

[All pushbutton stations shall be programmed so that, when no presets are selected and no lights are on, there is an LED or button on each station that is lit so that the stations are readily visible in the dark. All pushbutton stations and LCD screens MUST have the capability to recall ANY preset look the owner wishes, including conventional theatrical, houselighting and LED color mixing fixtures. All pushbutton stations shall be programmed so that presets are triggered in a mutually exclusive hierarchy (turning the previous preset off as it engages the selected preset). NO pile-on style presets shall be allowed. All faders shall be programmed per owner's instructions (typically faders control groups of similar fixtures and/or fixtures in similar locations as a group).].

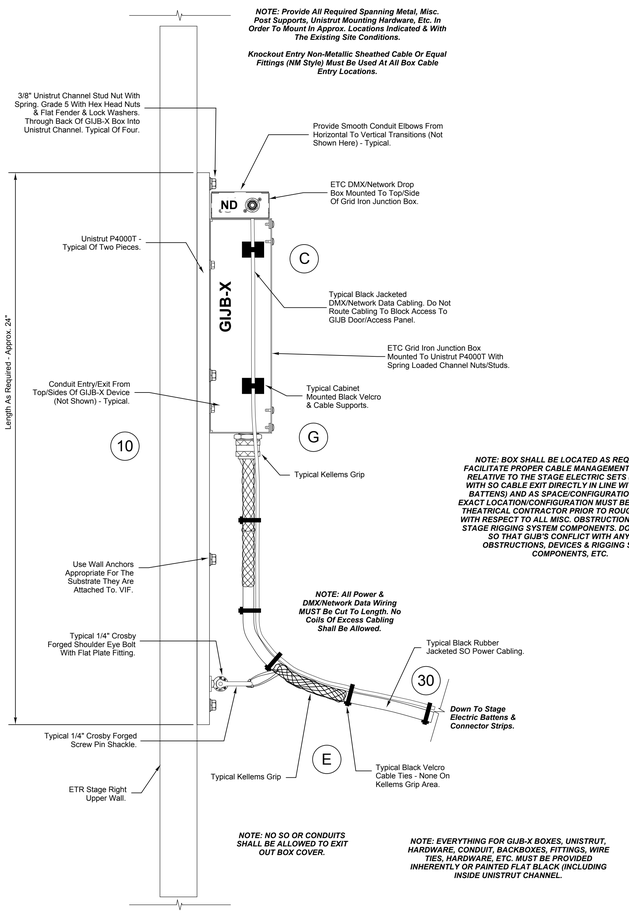
Program the architectural lighting system so that, once ANY preset is engaged or recalled, ALL system relay channels in ALL dimmer racks are powered ON.

Typical presets are as follows - some may not apply to all projects. Program each station with presets as required by owner, which may be different from station to station. Obtain actual settings from owner if these are not desired. Program all presets into P-LCD controls:

1. Control Booth 100%
2. Control Booth 50%
3. Studio 100%
4. Studio 50%
5. Control Booth Desk (White)
6. Control Booth Desk (Color)
7. Control Booth Desk (Color)
8. Rehearsal
9. All On
10. + (owner selected)

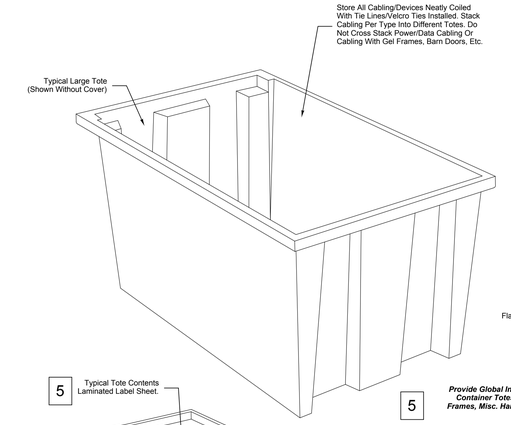
1 PUSHBUTTON STATION LABELING, PROGRAMMING & RELATED DETAILS

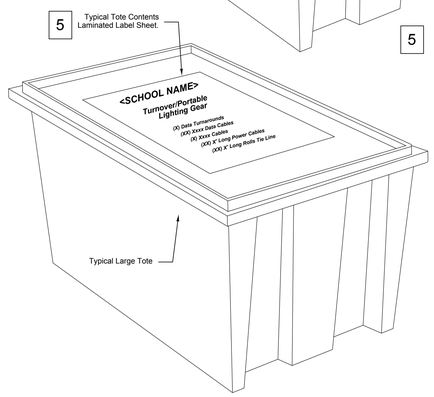
TL502 SCALE: NONE



3 GRID IRON JUNCTION BOX MOUNTING DETAIL

TL502 SCALE: 2" = 1'





5

Provide Global Industrial SNT Series Stack & Nest Storage Container Totes Or Equal For All Portable Cabling, Gel Frames, Misc. Hardware, Etc. Provide In Blue Or Grey Color With Matching Lids.

Provide Totes Of Varying Sizes & In Required Quantities To Accommodate All Furnished Cabling & Accessories. Size Each Tote Depending On Cable Types, Counts, Sizes, Quantities, Etc. Of Gear To Be Stored.

Provide Tote Types As Follows:
Separate Tote(s) For Power Jumper Cabling
Separate Tote(s) For Low Voltage Data Jumper Cabling
Separate Tote(s) For Fixture Gel Frames
Separate Tote(s) For Fixture Lenses
Separate Tote(s) For Attic Stock Items (Lamps, Tie Line, Etc.)
Separate Tote(s) For Misc. Devices/Adapters

Provide Separate PortaBrace Or Equal Padded Zippered Pouch/Bag(s) For All Small, Misc. Items Such As Turnarounds, Gels, Gobos, Etc. & Store Inside Common Tote With Other Misc. Devices/Adapters.

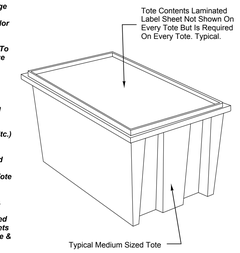
Tote Stacked Capacity Shall Be Approx. 450 Lbs. Each.

Provide Each Tote With A Laminated Inventory List, Taped Onto Top Of Cover, Of Tote Contents. Inventory List Sheets Must Bear The Name Of The Facility, Nature Of Gear Inside & A Complete List Of Gear Stored Inside That Tote.

Store All Totes With Portable Gear Per The Owner's Instructions.

Max. Weight For Each Filled Tote Shall Not Exceed Approx. 80 Lbs.

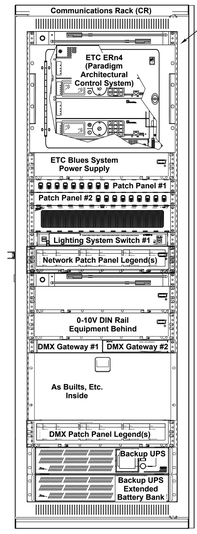
See Fixture Symbols Key, Portable Cabling Schedule/Key & Written Specifications For Details On Required Quantities & Types Of Portable Gear.



3 4

2 PORTABLE CABLING TOTE SYSTEM DETAIL

TL502 SCALE: NONE



Rack Equipment Labeling Intents. All Equipment Is To Be Labeled In English As To What It Is And Similar To What Is Shown (I.E. ETC ERn4-Architectural Control System, ETC Blues Power Supply, Etc.). Do Not Use Some Keyed Or Obscure Naming Code Or Other Nomenclatures. It Is Acceptable To Use Commonly Understood Nomenclature Abbreviations. Typical.

5

NOTE:

All Naming Nomenclature Shown Is Diagrammatic & Intended Only As A Guide To The Type Of Information Required For Each Piece Of Equipment. Tailor Device Labeling Per Location & Type.

Do Not Block Any Vents Or Cover Any Screens, Screws, Etc. With Labels.

Size Labels/Fonts To Fit Equipment. Font Size Should Large Enough To Be Easily Readable When Looking At Equipment From A Standard Distance Of Approx. 4'. (E.G. "Communications Rack" Shall Be 60 Pt. Font Minimum; All Other Rack Equipment Nomenclature Shall Be 32 Pt. Font Minimum).

Do Not Label Unimportant Items Such As Blank Or Vent Panels.

All Labels Shall Be White-On-Black Or Black-On-White Or Similar Self-Adhesive. Labels Must Not Easily Peel Off Over Time. Labels That Peel Off Within The First 12 Months Shall Be Completely Replaced By The Contractor At His Own Cost.

4 RACK & DEVICE LABELING INTENT DETAIL

TL502 SCALE: NONE

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



△	DATE	DESCRIPTION

Drawn By:	SPJ
Checked By:	SPJ
Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2025

Sheet Title

THEATRICAL LIGHTING SYSTEM DETAILS

Sheet No:

NFA TL502

CONSTRUCTION DOCUMENTS

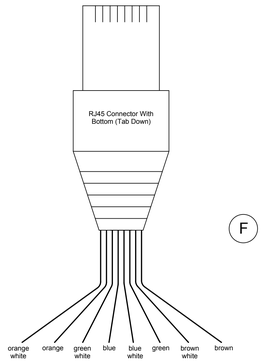
5-Pin XLR DMX Data Pin Out			
Pin	Wire (EIA-485)	Signal	Notes
1	Shield	Ground/return/0V - DMX 1	Primary Data Link
2	Inner Conductor (typically black)	Data Complement (-, inverted) - DMX 1	Primary Data Link
3	Inner Conductor (typically white)	Data true (+, non inverted) - DMX 1	Primary Data Link
4	Inner Conductor (typically green)	Spare/Aux data Complement (-, inverted) - DMX 2	Optional Secondary Data Link
5	Inner Conductor (typically red)	Spare/Aux data true (+, non inverted) - DMX 2	Optional Secondary Data Link

5-Pin XLR DMX Data Pin Out			
Pin	Wire (Ethernet Cable)	Signal	Notes
1	White/Brown & Brown (connected together)	Ground/return/0V - DMX 1	Primary Data Link
2	Orange	Data Complement (-, inverted) - DMX 1	Primary Data Link
3	White/Orange	Data true (+, non inverted) - DMX 1	Primary Data Link
4	Green	Spare/Aux data Complement (-, inverted) - DMX 2	Optional Secondary Data Link
5	White/Green	Spare/Aux data true (+, non inverted) - DMX 2	Optional Secondary Data Link

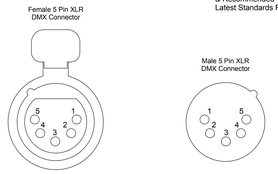
3-Pin XLR DMX Data Pin Out			
Pin	Wire (EIA-485)	Signal	Notes
1	Shield	Ground/return/0V - DMX 1	Primary Data Link
2	Inner Conductor (typically black)	Data Complement (-, inverted) - DMX 1	Primary Data Link
3	Inner Conductor (typically white)	Data true (+, non inverted) - DMX 1	Primary Data Link

RJ45 DMX Data Pin Out			
Pin	Wire (Ethernet Cable)	Signal	Notes
1	Orange/White	Data true (+, non inverted) - DMX 1	Primary Data Link
2	Orange	Data Complement (-, inverted) - DMX 1	Primary Data Link
3	Green/White	Spare/Aux data true (+, non inverted) - DMX 2	Optional Secondary Data Link
4	Blue	Not Used	N/A
5	Blue/White	Not Used	N/A
6	Green	Spare/Aux data Complement (-, inverted) - DMX 2	Optional Secondary Data Link
7	Brown/White	Ground/return/0V/common - DMX 1	Primary Data Link
8	Brown	Spare/Aux ground/return/0V/common - DMX 2	Optional Secondary Data Link
	Metal Shell (if present)	Drain - (Shield on STP or FTP cables)	

Typical Pin Out Charts Per Published ANSI-PLASA-ESTA-EIA-TIA Data/DMX Standards & Recommended Termination Practices. Refer To Latest Standards For Exact Info.

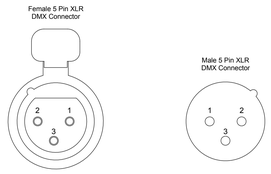


F



5-Pin XLR DMX Connector Pinout Configuration

DMX512-A Lines Connect With Equipment Via XLR 3/5 Pin Or RJ45 Connectors. Female Connectors Are Fitted To DMX Transmitters While Male Connectors Are Fitted To DMX Receivers. DMX512-A Typically Specifies A 2-Pair (4 Conductor) Cable With Shield (Although Only 1-Pair (2 Conductors) & Shield Is Required For Standard DMX512-A Signals. The Second Pair Is Reserved For Unspecified Optional Uses. All Connections Must Be Made Per All Applicable ANSI-PLASA-ESTA-EIA-TIA DMX & Ethernet Standards, Recommended Standard Practices, Etc. Download All Appropriate Current Installation Cutsheets & Diagrams From Related Manufacturer Websites And Follow All Manufacturer Related Wiring Procedures, Including Required Terminations, Pin Out Terminations, Etc. Do Not Wire Any DMX Lines In Unconventional Ways Or Using Parts Of Unused Wire Pairs. See Other Drawing Details For Additional Information.



3-Pin XLR DMX Connector Pinout Configuration

1 DMX PINOUT DETAILS
TL503 SCALE: 3" = 1'

HOUSELIGHTING FIXTURE DMX NOTES:

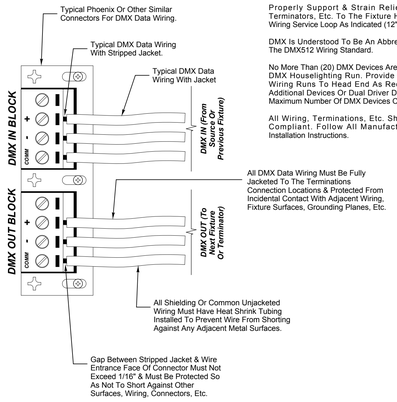
All DMX512 Data Cabling Must Be Installed Per ANSI E1.11 - 2008 (Or Current Revision). All DMX Data Cabling Must Meet The ANSI/TIA/EIA-485 Standard. DMX Daisy Chain Topography & Signal Integrity Must Be Maintained Throughout. No Other Wiring Topographies Shall Be Allowed.

Properly Support & Strain Relieve All DMX Wiring, Terminators, Etc. To The Fixture Housing. Provide Data Wiring Service Loop As Indicated (12" Minimum).

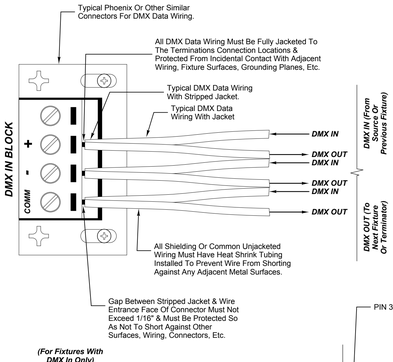
DMX Is Understood To Be An Abbreviation That Refers To The DMX512 Wiring Standard.

No More Than (20) DMX Devices Are Allowed On Any Single DMX Houselighting Run. Provide Additional Home Run Wiring Runs To Head End As Required For Runs With Additional Devices Or Dual Driver Devices. Do Not Exceed Maximum Number Of DMX Devices On Any Run.

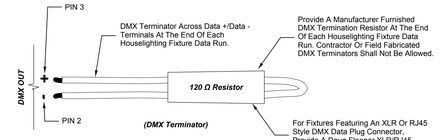
All Wiring, Terminations, Etc. Shall Be DMX512/RDM Compliant. Follow All Manufacturer Recommended Installation Instructions.



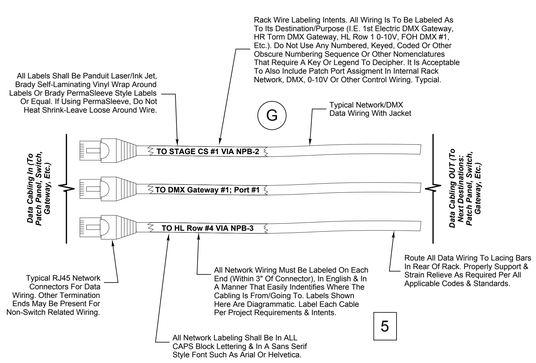
(For Fixtures With DMX In/Out/Through)



(For Fixtures With DMX In Only)



2 DMX DATA WIRING TERMINATIONS DETAIL
TL503 SCALE: NONE



NOTES:

All DMX512 Data Cabling Must Be Installed Per ANSI E1.11 - 2008 (Or Current Revision). All Network/DMX Data Cabling Must Meet The ANSI/TIA/EIA-485 Standard. Network/DMX Daisy Chain Topography & Signal Integrity Must Be Maintained Throughout. No Other Wiring Topographies Shall Be Allowed.

Properly Support & Strain Relieve All Network/DMX Wiring Inside Rack(s), Terminators, Etc. To Rack Lacing Bars. Provide Data Wiring Service Loop As Indicated (12" Minimum).

DMX Is Understood To Be An Abbreviation That Refers To The DMX512 Wiring Standard.

All Wiring, Terminations, Etc. Shall Be DMX512/RDM Compliant. Network Wiring Shall Be sACN And Compliant With All Related Standards. Follow All Manufacturer Recommended Installation Instructions.

Labels Shall Not Contain Coded Information Requiring A Key To Decipher.

Wiring Labels Shall Meet The Five Major Categories Of Requirements Of ANSI/TIA Labeling Standards As Follows:

1. Permanent: Labeling Must Be Permanently Placed At Both Ends Of Every Cable.
2. Identification: Both Ends Of Every Cable Must Be Labeled To Identify Its Usage.
3. Terminations Points: The Terminations Points Of The Cable Must Be Identified On The Labels.
4. Legibility: Every Label Must Be Legible & In English (Typically This Infers A Machine Printed Label).
5.Records: The Information On Each Label Must Match Those Shown On As-Built Records.

3 DMX/NETWORK DATA WIRING LABELING INTENT DETAILS
TL503 SCALE: NONE

STEP	DMX CABLE PREP NOTES:
1	Cut cable so that an 8" tail extends from the edge of the related terminations box (plus required service loop).
2	Strip 7" of the main outer cable jacket back.
3	Label the main cable above the strip line with a durable, self-laminating, vinyl wrap-around style label with the data type and run designation (see other details for labeling requirements).
4	Strip the foil shielding from each wire set to within 1/4" of the main outer jacket.
5	Untwist the shield wire from each pair and apply a piece of 1/16" clear heat shrink to each shield wire.
6	Twist each shield wire back onto its data pair and then apply a 1 1/2" piece of 3/16" heat shrink all the way down each 3-wire set. Make sure to capture the foil shielding at the base.
7	Apply the 2" piece of the 3/8" heat shrink, centered on the end of the cable jacket and bases of all the wires in the cable bundle.
8	Cap the ends of the unused pair of wires with a 1" piece of 3/16" heat shrink, centered over the end of the wires.
9	Strip 3/16" of insulation from all of the wires to be used (NOT to any unused wires)
10	Maintain the wire pair twist as close to the connector/connection point as possible and terminate the wires as required.
11	Gently bend back the unused set of wires and align them along the main wire outer jacket.
12	Secure the unused set of wires to the main wire above all stripped points with a nylon wire tie.
13	Secure the terminated wires together with a wire tie approx. 2" from the connector/termination point. Properly strain relieve all wiring at each connector/termination point so that there is zero undue pressure of tension pulling on the terminations.
14	Allow a proper (approx. 12") service loop at each termination location beyond all main wire stripped points, coil in a gentle circle and secure loop with a Velcro strap.

Note: In the case of "touch-and-go" wire applications with two wires landing at the same terminals, strip both wires to 3/4", twist them together tightly and then trim them to 3/16". When wiring multiple DMX devices, ensure that the wiring daisy chain contains no "Y"s" or loops. Provide DMX terminators at all "ends."

4 DMX WIRING DRESS DETAIL
TL503 SCALE: NONE

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

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Project Title:

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK · JAMES R. BARNETT · 073467 · LICENSED PROFESSIONAL ENGINEER
EXPIRES 5/31/2029

⚠	DATE	DESCRIPTION

Drawn By:	SPJ
Checked By:	SPJ
Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2025

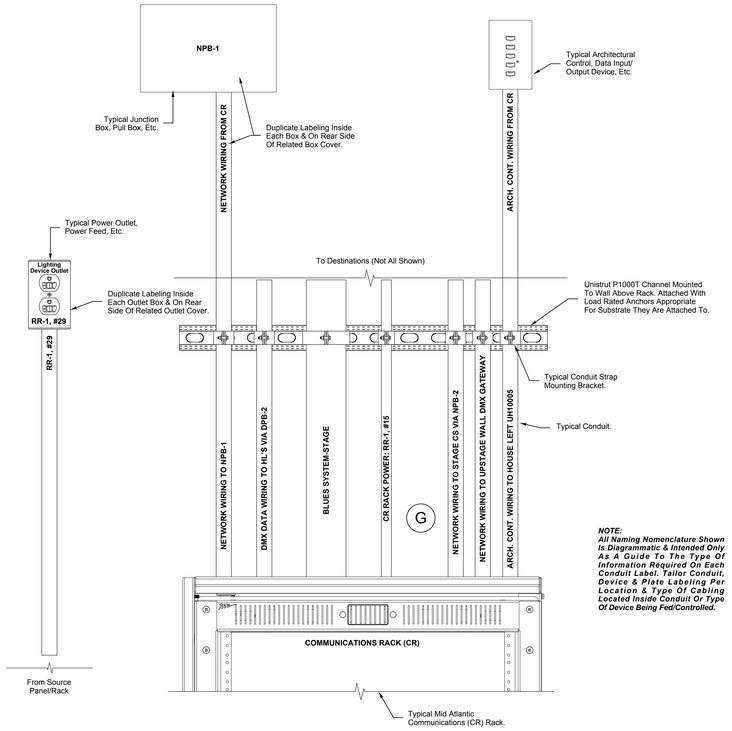
Sheet Title

THEATRICAL LIGHTING SYSTEM DETAILS

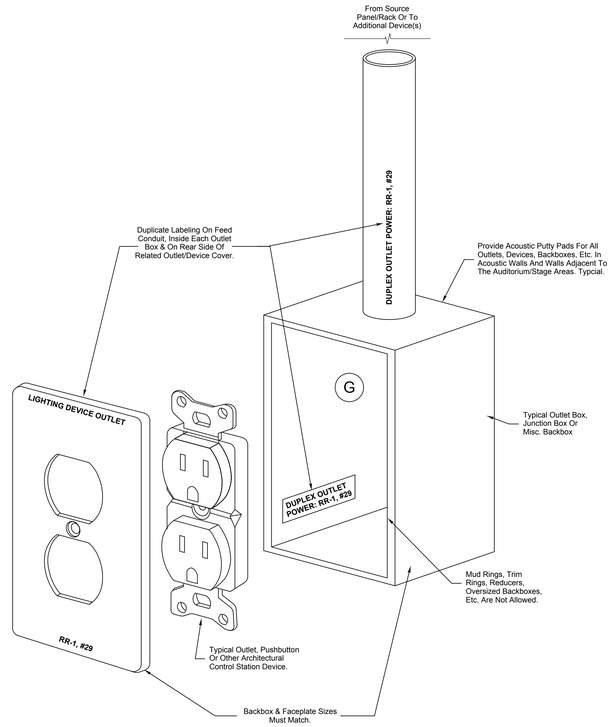
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NFA TL503

CONSTRUCTION DOCUMENTS



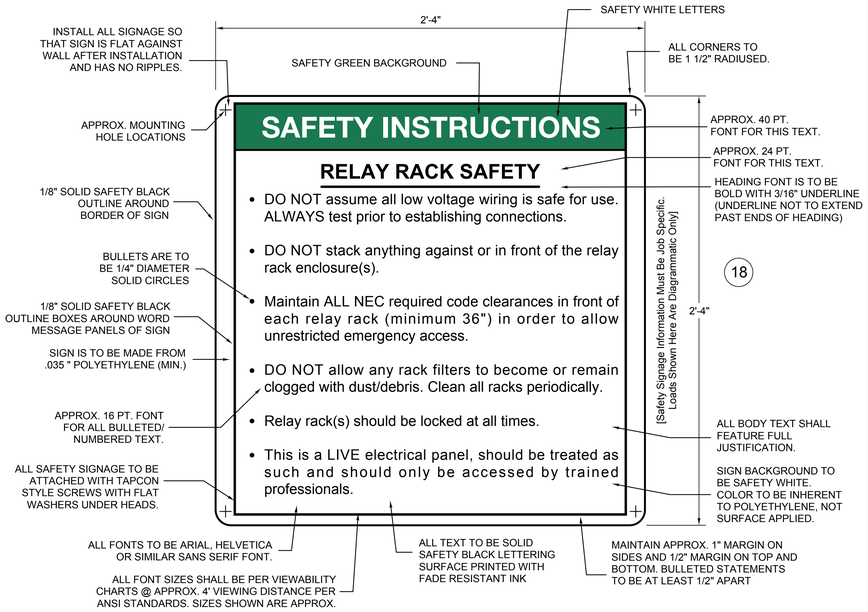
NOTE:
All Naming Nomenclature Shown Is Diagrammatic & Intended Only As A Guide To The Type Of Information Required On Each Conduit Label. Tailor Conduit, Device & Plate Labeling Per Location & Type Of Cabling Located Inside Conduit Or Type Of Device Being Fed/Controlled.



1 CONDUIT & BOX LABELING INTENT DETAILS
TL504 SCALE: NONE

SIGNAGE MOUNTING NOTES:

See Other Drawings & Safety Signage Details For Complete Info & Requirements On Signage Types, Mounting, Construction, Etc.



2 SAMPLE RELAY RACK SAFETY SIGNAGE
TL504 SCALE: NONE

All Text Shall Be Arial Regular.
Patch Panel Header Shall Match Devices Being Fed.
Legend Header Shall Be 16 Point Font & Bold Style.
Patch Panel Legend Shall Be Custom Silk Screened On A Standard, Blank, Black Rack Panel Or A Separate Plate Permanently Mounted To The Rack Panel. Panel RU Height Shall Be As Required Per Port Count.
All Other Legend Text Shall Be 12 Point & Regular Style.

(NETWORK/DMX/0-10V) PATCH PANEL LEGEND

Patch Panel Port No.	Device	Location
1	Network Tap	Control Booth
2	Network Tap	Control Booth
3	Network Tap	SR Proscenium Wall
4	Network Tap	SL Proscenium Wall
5	Network	SR Touchscreen
6	RR-1	Lighting Equipment Room
7	RR-2	Lighting Equipment Room
8	DMX Gateway	1st Stage Electric

5

DMX Port No.	Device	Location
1	DMX Gateway #1	Houselighting Row #1 DMX Jack
2	DMX Gateway #1	Houselighting Row #2 DMX Jack
3	DMX Gateway #1	Houselighting Row #3 DMX Jack
4	DMX Gateway #1	Rear Cove Electric
5	DMX Gateway #2	Cove Connector Strip
6	DMX Gateway #2	Cove Connector Strip
7	DMX Gateway #2	House Right Wall
8	DMX Gateway #2	House Right Torm

0-10V Port No.	Device	Location
1	0-10V Processor #1	Houselighting Row #1; 0-10V Jack
2	0-10V Processor #1	Houselighting Row #2; 0-10V Jack
3	0-10V Processor #1	Houselighting Row #3; 0-10V Jack
4	0-10V Processor #1	Houselighting Row #4; 0-10V Jack
5	Spare	
6	Spare	
7	Spare	
8	Spare	

All Legend Text Shall Be Clean, Crisp, White-On-Black Or Black-On-White Silk Screening (Or Etching) Text Without Runs, Blotches, Smudges, Etc.
All Device & Location Names Shall Be Easily Identifiable Without Interpretive Legends, Keys, Etc.
All Boxes Shall Be Heavy Solid White/Black Contrasting Background Line.

NOTE FOR PATCH PANEL LEGEND REQUIREMENTS:

All Naming Nomenclature Shown Is Diagrammatic & Intended Only As A Guide To The Type Of Information Required For Each Label. Tailor Labeling Per Location & Type Of Devices Being Fed/Controlled.

Provide A Separate Patch Panel Legend For All Differing Classes Of Patch (Network, DMX, 0-10V, Etc.). All Patch Panel Legends Shall Be Mounted Directly Above/Below Their Respective Gear.

Patch Panel Legend: Legend Lines Must Call Out Locations Of Related Devices (I.E. Control Booth Net Tap, SR Upstage Wall Gateway, RR #1 Power Panel, Houselight Processor #2, Etc.).

Patch Panel Labeling Intents. All Panel(s) Are To Be Labeled In English As To Devices/Ports Destination/Purpose (I.E. 1st Electric DMX Gateway, HR Torm DMX Gateway, Etc.). Do Not Use Some Keyed Or Obscure Numbering/Naming Sequence Or Other Nomenclatures. It Is Acceptable To Use Commonly Understood Nomenclature Abbreviations (I.E. HR For House Right, SL For Stage Left, Etc.). Typcial.

3 PATCH PANEL LEGEND LABELING DETAIL
TL504 SCALE: NONE

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

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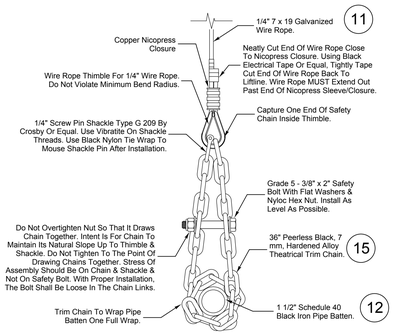
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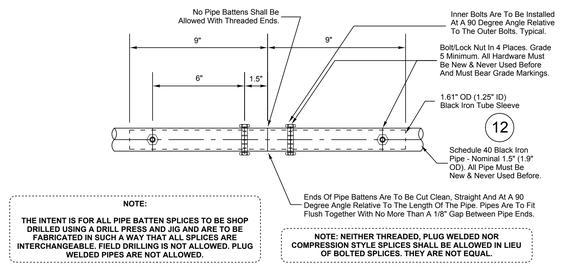
Sheet Title
THEATRICAL LIGHTING SYSTEM DETAILS

Sheet No:
NFA TL504

CONSTRUCTION DOCUMENTS

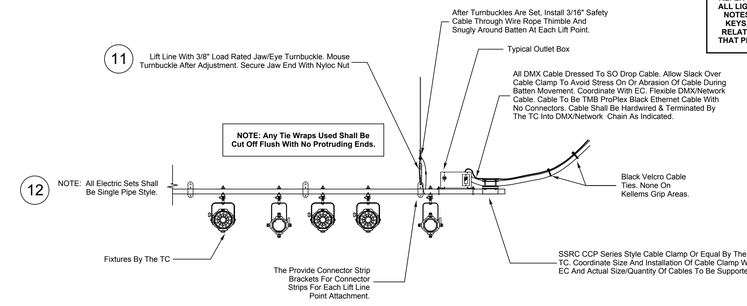


1 TRIM CHAIN DETAIL
TL505 SCALE: 3" = 1'

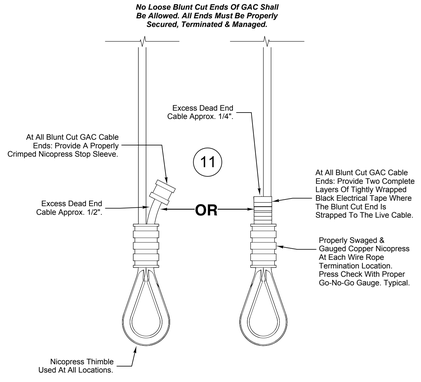


2 BATTEN SPLICE DETAIL
TL505 SCALE: 3" = 1'

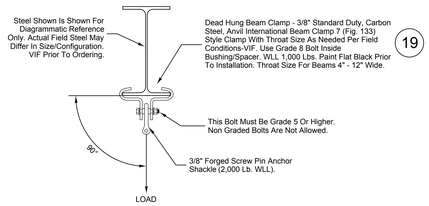
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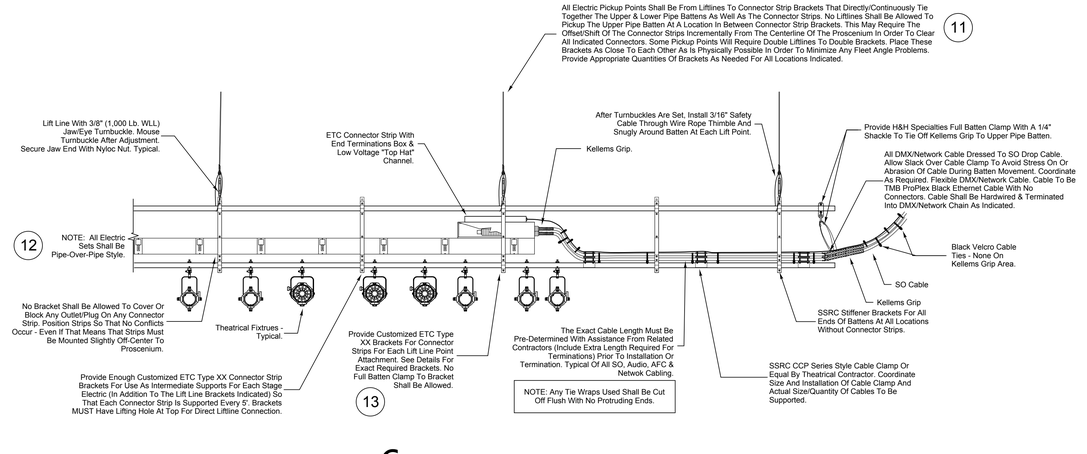
3 STAGE ELECTRIC BATTEN DETAIL
TL505 SCALE: 1/2" = 1'



4 NICOPRESS DETAIL
TL505 SCALE: NONE

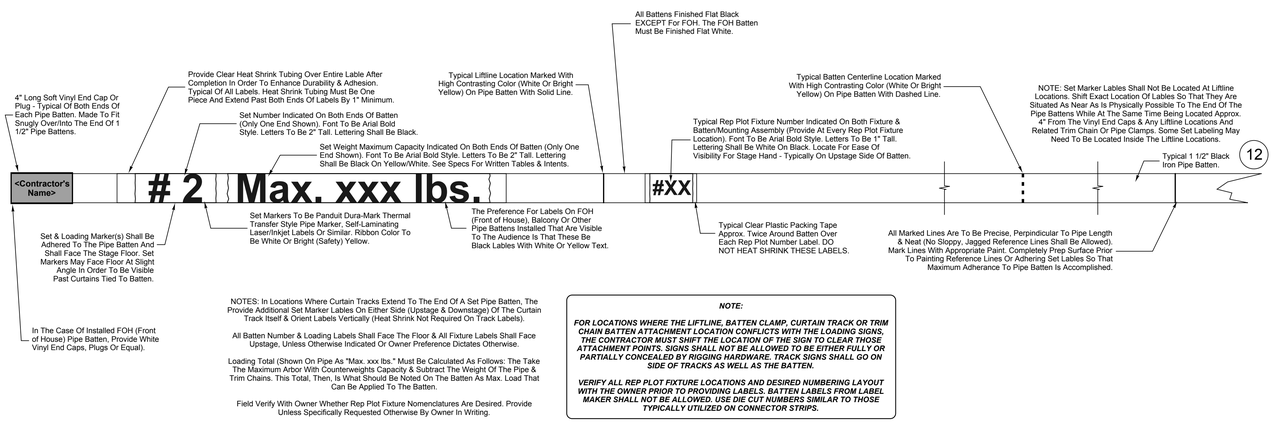


5 BEAM CLAMP DETAIL
TL505 SCALE: 1 1/2" = 1'

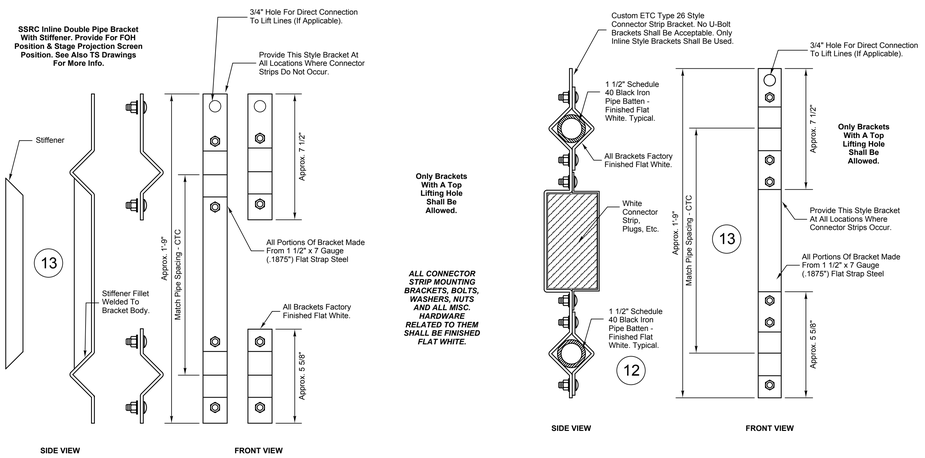


6 HOUSE ELECTRIC BATTEN DETAIL
TL505 SCALE: 1/2" = 1'

7 WINCH LOCK DETAIL
TL505 SCALE: NONE



8 BATTEN LABELING DETAIL
TL505 SCALE: 3" = 1'



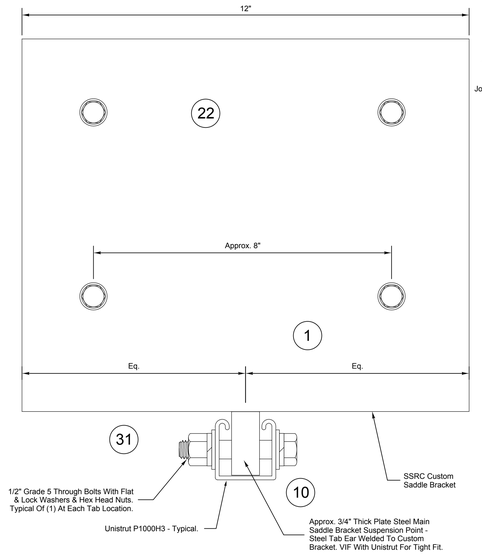
9 STAGE/HOUSE BATTEN STIFFENER/CONNECTOR STRIP BRACKET DETAIL
TL505 SCALE: 3" = 1'

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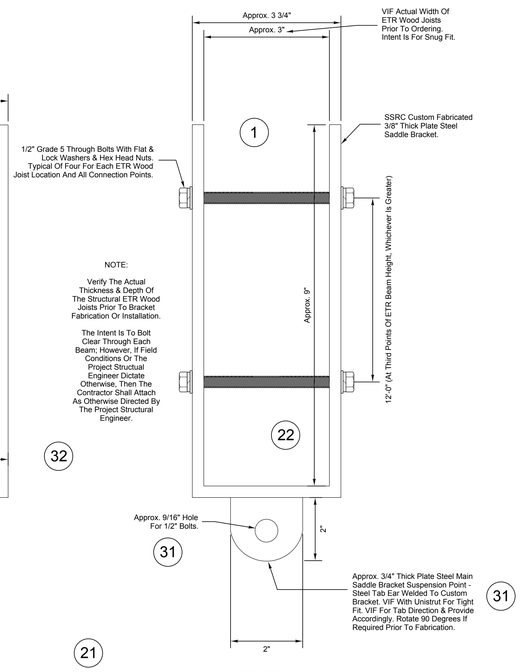
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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

1	10/13/2025	ADDENDUM #1
2	11/17/2025	ADDENDUM #2
3	12/15/2025	ADDENDUM #3
4	1/12/2026	ADDENDUM #4
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SIDE VIEW



END VIEW

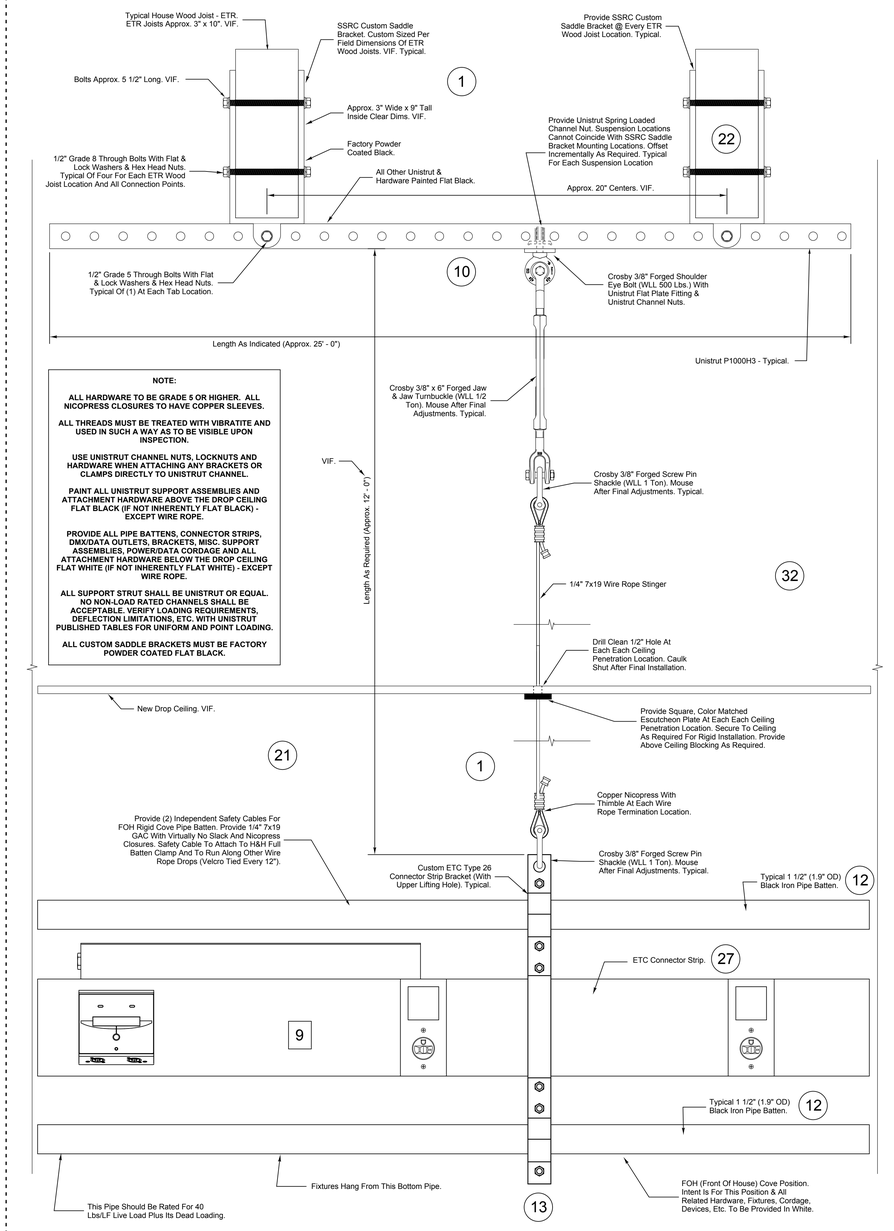
NOTE:

STAGE SSRC SADDLE BRACKETS & RELATED UNISTRUT SPANNING SUPPORTS ARE INTENDED ONLY FOR THE LOAD TYPES AND USAGES SHOWN. INTENDED USAGE INCLUDES ONLY THE INDICATED SET TYPES AND RELATED ITEMS ONLY.

THESE SUPPORT ASSEMBLIES ARE NOT INTENDED FOR USE AS SUPPORT STRUCTURES FOR ADDITIONAL CHAIN MOTORS, HOISTS OR TRUSSING.

ANY USE OF THESE SUPPORT DEVICES OTHER THAN THAT SHOWN AND INTENDED IS STRICTLY PROHIBITED.

ALL SADDLE BRACKETS AND ALL RELATED UNISTRUT, HARDWARE, ETC. MUST BE FACTORY FINISHED OR PAINTED FLAT BLACK.



NOTE:

THIS IS THE INTENDED METHOD OF MOUNTING THE NEW FOH COVE PIPE BATTEN, CONNECTOR STRIP AND REALTED ASSEMBLIES/HARDWARE; HOWEVER, THE CONTRACTOR MUST VIF FOR ALL ACTUAL FIELD SITE CONDITIONS @ THE INTENDED MOUNTING LOCATION AND PROPOSE ALTERNATE PE STAMPED/APPROVED SUSPENSION METHODS BASED UPON REAL WORLD SITE SPECIFIC INFORMATION (INFORMATION THAT WAS NOT READILY AVAILABLE DURING DESIGN DUE TO INACCESSIBILITY) IF THIS METHODOLOGY WILL NOT WORK.

PROVIDE SUSPENSION METHOD, HARDWARE, ETC. AS REQUIRED AND PER APPROVED PE STAMPED SHOP DRAWINGS.

1 TL506 FRONT OF HOUSE UNISTRUT, SADDLE BRACKET & BATTEN MOUNTING DETAIL
SCALE: 3" = 1'

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

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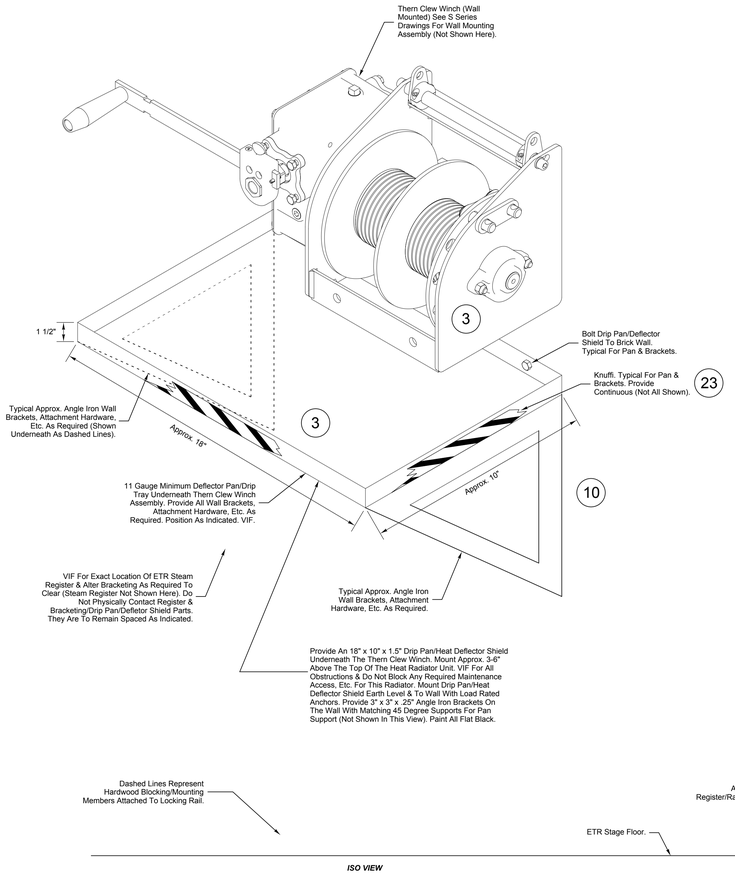
Drawn By:	SPI
Checked By:	SPI
Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2026

Sheet Title:
THEATRICAL RIGGING SYSTEM DETAILS

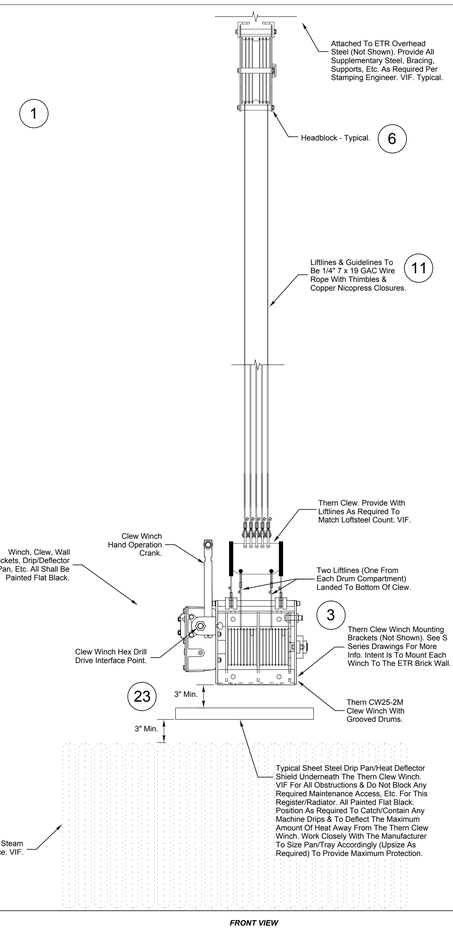
Sheet No:
NFA TL506

CONSTRUCTION DOCUMENTS

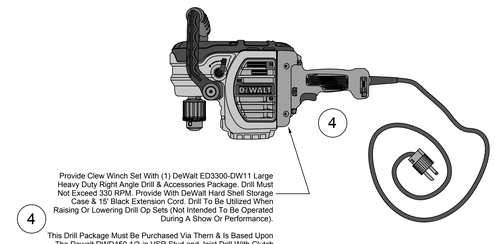
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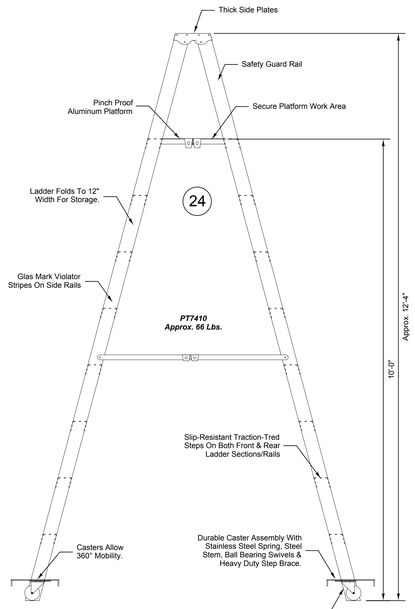
ISO VIEW



FRONT VIEW



1 THERN CLEW WINCH MOUNTING DETAIL
TL507 SCALE: 1 1/2" = 1'



Provide:

Werner Ladder PT7400 Series Fiberglass Stockr's Platform Step Ladders:

(1) Werner Ladder PT7410 Stepladder. Ladder Will Be For Use In Accessing The Stage Sets At Or Close To Operating Height & In Adjusting Fixture Aiming & Locations.

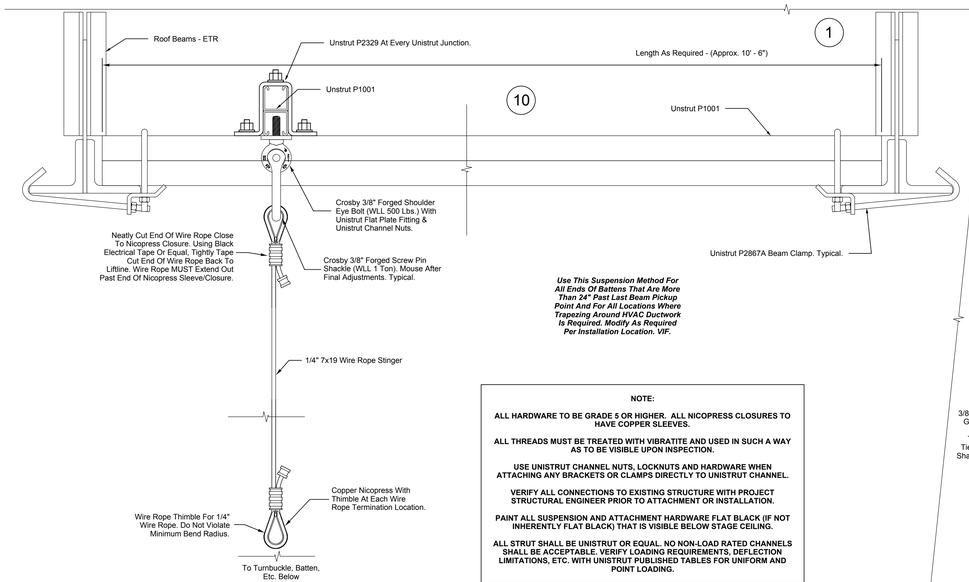
Ladder Shall Be Type IA Duty Rating, 300 Lb. Load Capacity Per Side (Full Use Rungs On Both Sides Of Ladder).

Store Ladder As Per Owner's Instructions. Provide Supplementary Hooks On Storage Room/Space Walls For Ladder Storage As Required.

Ladder Designed For One Or Two Person Simultaneous Use.

NEVER EXCEED THE DUTY RATING OF ANY LADDER, INCLUDING TOOLS, PERSONNEL AND EQUIPMENT.

2 ACCESS LADDER DETAILS
TL507 SCALE: 3/4" = 1'



Use This Suspension Method For All Ends Of Battens That Are More Than 24" Past Last Beam Pickup Point And For All Locations Where Trapezing Around HVAC Ductwork Is Required. Modify As Required Per Installation Location. VIF.

NOTE:

ALL HARDWARE TO BE GRADE 5 OR HIGHER. ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.

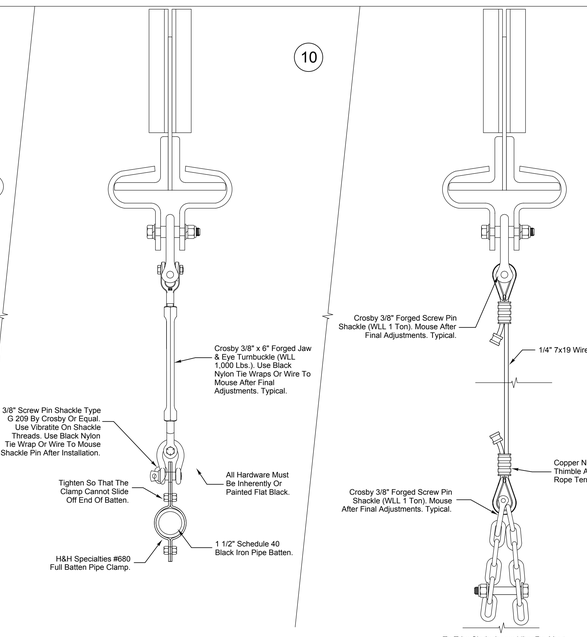
ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.

USE UNISTRUT CHANNEL NUTS, LOCKNUTS AND HARDWARE WHEN ATTACHING ANY BRACKETS OR CLAMPS DIRECTLY TO UNISTRUT CHANNEL.

VERIFY ALL CONNECTIONS TO EXISTING STRUCTURE WITH PROJECT STRUCTURAL ENGINEER PRIOR TO ATTACHMENT OR INSTALLATION.

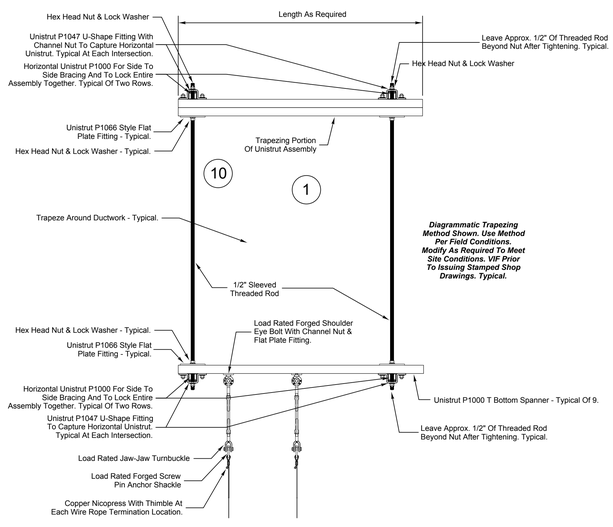
PAINT ALL SUSPENSION AND ATTACHMENT HARDWARE FLAT BLACK (IF NOT INHERENTLY FLAT BLACK) THAT IS VISIBLE BELOW STAGE CEILING.

ALL STRUT SHALL BE UNISTRUT OR EQUAL. NO NON-LOAD RATED CHANNELS SHALL BE ACCEPTABLE. VERIFY LOADING REQUIREMENTS, DEFLECTION LIMITATIONS, ETC. WITH UNISTRUT PUBLISHED TABLES FOR UNIFORM AND POINT LOADING.



Diagrammatic Suspensions Shown. Use Method Per Field Conditions.

3 BATTEN/LIFTLINE SUPPORTS & CONNECTION DETAILS
TL507 SCALE: 3" = 1'



Down To Stage Sets

4 UNISTRUT TRAPEZE DETAIL
TL507 SCALE: 3" = 1'

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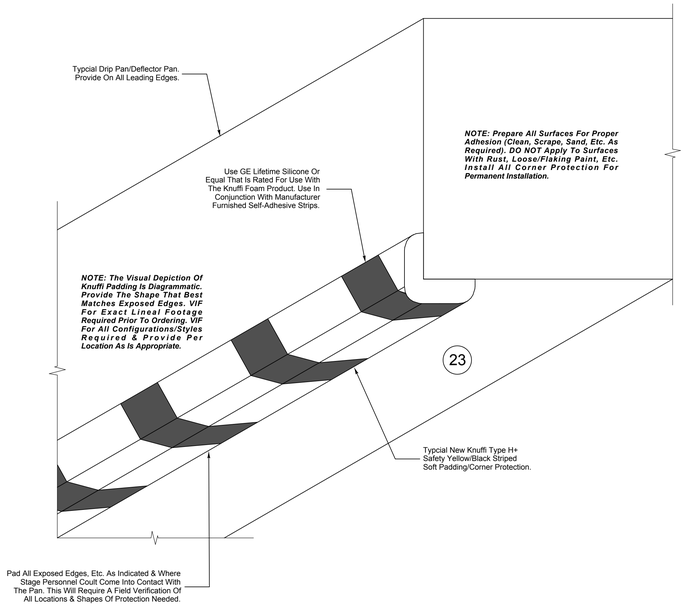
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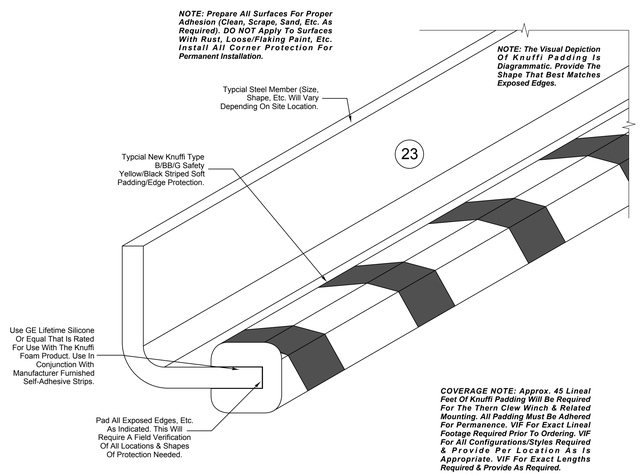
THEATRICAL RIGGING SYSTEM DETAILS

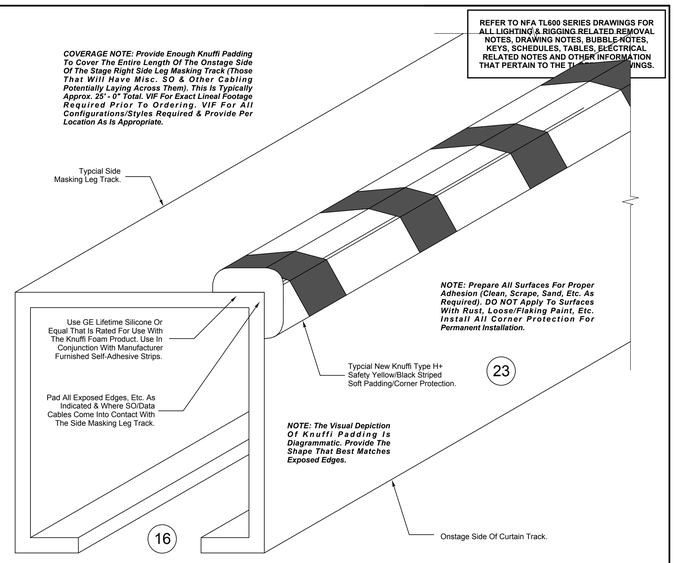
Sheet No:

NFA TL507

CONSTRUCTION DOCUMENTS







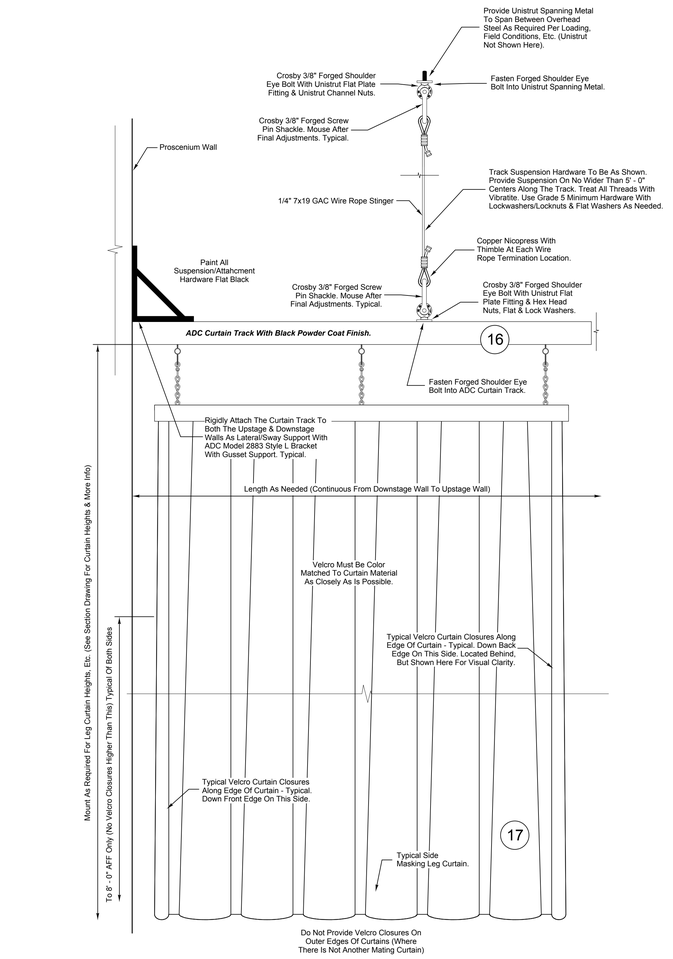
1 EDGE PROTECTION DETAILS
TL508 SCALE: 1 1/2" = 1'

Typical Side Masking Leg Curtain Tieback Straps - Provide As Follows: (2) 18" Long, (2) 24" Long, (2) 36" Long & (2) 42" Long. Store As Directed By Owner. Provide Wall Anchor/Eye Bolts On The Upstage & Downstage Walls Directly In Line With The Side Masking Leg Tracks. Provide All Wall Blocking, Etc. As Is Required. DO NOT Install Wall Eye Bolts Through Gyp Only. These Must Be Anchored To Something Substantial (Wood Blocking, Stud, Concrete Block, Etc.). Wall Eye Bolts Must Be Smooth, Forged, Flat Black & Only Protrude From The Wall Enough To Clip Into. Mount At Approx. 60" AFF.

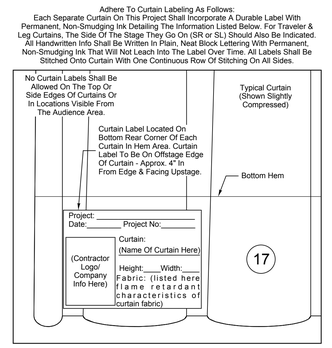
Typical General Curtain Tieback Straps - Provide As Follows: (6) 48" Long, (6) 60" Long & (6) 72" Long. Store As Directed By Owner. These Are To Be Used By The Owner To Gather The Curtains When They Need To Be Stored Out Of The Way For Any Particular Event But Not Tied To Walls (Typical For Main Tracked Legs, Traveler Curtains, Etc).

Provide An Arriba Style Soft Sided Zip Closure Bag To Store Straps. See Keyed Notes For More Info.

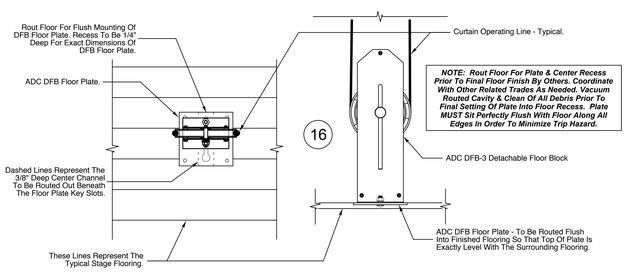
2 CURTAIN TIEBACK STRAP/SLING DETAILS
TL508 SCALE: 3" = 1'



3 SIDE MASKING LEG CURTAIN & TRACK SUSPENSION/FABRICATION DETAIL
TL508 SCALE: NONE



4 CURTAIN LABEL DETAIL
TL508 SCALE: NONE



5 DETACHABLE FLOOR BLOCK DETAIL
TL508 SCALE: 1 1/2" = 1"

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Sheet Title
THEATRICAL RIGGING SYSTEM DETAILS

Sheet No:
NFA TL508

CONSTRUCTION DOCUMENTS

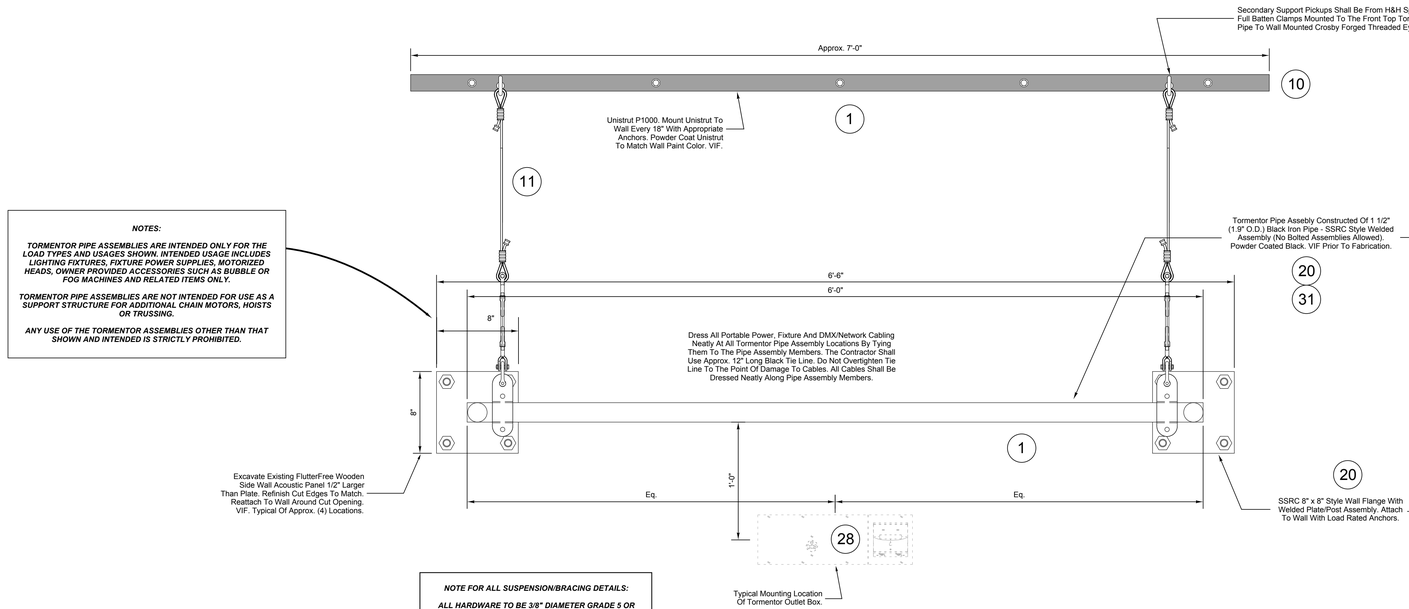
REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

NOTES:

TORMENTOR PIPE ASSEMBLIES ARE INTENDED ONLY FOR THE LOAD TYPES AND USAGES SHOWN. INTENDED USAGE INCLUDES LIGHTING FIXTURES, FIXTURE POWER SUPPLIES, MOTORIZED HEADS, OWNER PROVIDED ACCESSORIES SUCH AS BUBBLE OR FOG MACHINES AND RELATED ITEMS ONLY.

TORMENTOR PIPE ASSEMBLIES ARE NOT INTENDED FOR USE AS A SUPPORT STRUCTURE FOR ADDITIONAL CHAIN MOTORS, HOISTS OR TRUSSING.

ANY USE OF THE TORMENTOR ASSEMBLIES OTHER THAN THAT SHOWN AND INTENDED IS STRICTLY PROHIBITED.



NOTE FOR ALL SUSPENSION/BRACING DETAILS:

ALL HARDWARE TO BE 3/8" DIAMETER GRADE 5 OR HIGHER (BOLTS, WASHERS, NUTS, TURNBUCKLES, SHACKLES, ETC.). ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.

ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.

ALL PAINTING SHALL BE PERFORMED IN A PROFESSIONAL MANNER. THIS INCLUDES UTILIZING PROPER PRIMING AND FINISH COATING TECHNIQUES AS REQUIRED AND THE PROPER MASKING OF ADJACENT AREAS.

PAINT SHALL BE SPRAY APPLIED WHERE POSSIBLE BEFORE SUSPENSION AND SHALL BE MULTI-COAT AND NEAT. NO DRIPS, RUNS, MOTTLED FINISHES, ETC. SHALL BE ALLOWED.

SEE STRUCTURAL DRAWINGS AND RELATED SPECIFICATION SECTIONS FOR MORE INFORMATION.

PAINT ALL TORMENTORS, ACCESSORIES AND ALL ATTACHMENT HARDWARE FLAT BLACK, EXCEPT AS NOTED BY THE OWNER AND/OR ARCHITECT.

THE CONTRACTOR SHALL LOCATE ALL WALL ANCHORS AS DIRECTED BY PROJECT STRUCTURAL ENGINEER. DRILL ALL HOLES BY STANDARD ACCEPTED PRACTICES AND TO PREVENT SPALLING, CRACKING OR OTHERWISE DAMAGING THE EXISTING SPEED TILE WALLS OR PLASTER FINISHES. DO NOT CUT, NICK OR DAMAGE ANY EXISTING REINFORCING.

NO HAMMER DRILLS SHALL BE ALLOWED WHEN DRILLING ANY MOUNTING OR PENETRATION HOLES.

Each Tormentor Shall Be Rated For 30 Lbs./LF For Fixtures & Accessories - (Live Load)

Entire Tormentor Assembly Shall Be Fully Welded.

NOTE:

The Contractor Shall Inspect Existing Walls Prior To Installing Tormentor Pipe Assemblies And Shall Note Any Existing Damage In The Immediate Vicinity Of The Intended New Tormentor Pipe Assembly Positions. Any Existing Damage Shall Be Noted And Communicated To The Architect & Owner In Writing & With Digital Photos Prior To Installing The Tormentor Pipe Assemblies Or Drilling Mounting Holes Into The ETR Walls.

The Contractor Is Not To Cut ANY Part Of Any Reinforcement Or Other Structural Wall Members When Installing Tormentor Pipe Assemblies. If Conflicts Exist, The Contractor May Shift Pipe Assembly Installation Locations Incrementally In Order To Avoid Reinforcement Channels. (Install Pipe Assemblies Symmetrically)

The Contractor Shall Be Responsible For Any Damage To The Existing Walls That Results From Tormentor Pipe Assembly Work (Including Installation Of Pipe Assemblies & Drilling Of Mounting Holes).

VIF For ETR Wall Surface Anomalies, Setback, Insets, Etc. & Provide & Install Tormentor So That They Fit Into Any ETR Wall Features As Well As Are Aesthetically Pleasing. VIF With Architect Prior To Fabricating Or Installing. Tweak Size & Installation Locations Incrementally As Required To Fit.

All Affected Surfaces Shall Be Patched To Match The Existing Wall After Cutouts & Installation Is Complete. Any Damage To Existing Surfaces Shall Be Repaired By The Contractor & Returned To Previous Condition.

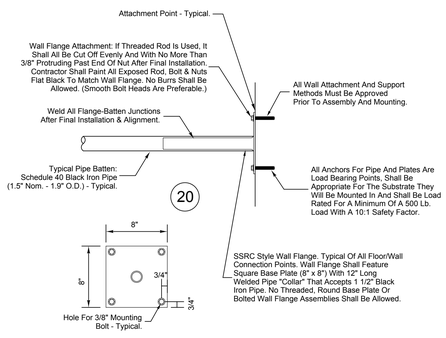
Mouse All Turnbuckles & Shackles After Final Tightenings & Alignments. Mouse With Black Nylon Tie Wraps.

Toward Stage

FRONT VIEW

Toward Stage

SIDE VIEW



2 TL509 WALL FLANGE DETAIL
SCALE: 1 1/2" = 1'

1 TL509 TORMENTOR MOUNTING & ASSEMBLY DETAILS
SCALE: 2" = 1'

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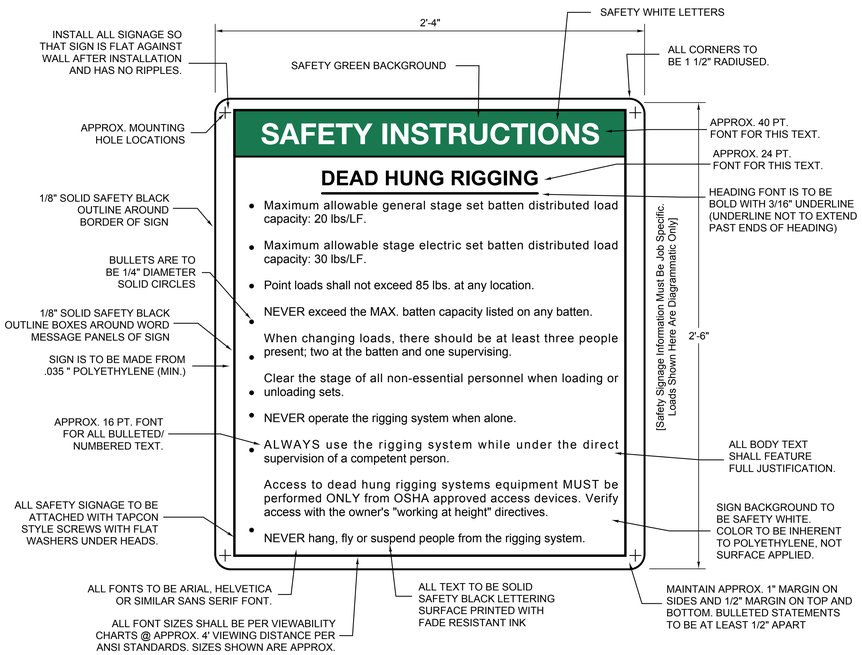
Sheet Title

THEATRICAL RIGGING SYSTEM DETAILS

Sheet No:

NFA TL509

CONSTRUCTION DOCUMENTS



1 TL510 SAMPLE DEAD HUNG RIGGING SAFETY SIGNAGE
SCALE: NONE

SIGNAGE TYPE NOTES:

Provide The Following Custom Safety Signs (See Written Specifications For More Information)

(1) General Notice Informational Sign (Mount On One Side Of The Stage)

(2) General Warning Safety Signs (Mount One On Each Side Of The Stage)

(1) Set Capacity Sign - Dead Hung/Drill Drive System (Mount On One Side Of The Stage)

(1) Standard Dead Hung Rigging Operational Guidance Sign (Mount On One Side Of The Stage)

(1) Dead Hung Rigging Sign (Mount On One Side Of The Stage)

(1) Drill Drive Winch Operation Sign (Mount On One Side Of The Stage)

(1) Curtain Draw Machine Operation Sign (Mount On One Side Of The Stage)

(1) FOH Cove Sign (Mount On One Side Of The Stage)

(1) Rigging Inspections Sign (Mount On One Side Of The Stage)

(1) Tormentor Loading Sign (Mount On One Side Of The Stage)

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(1) Relay Rack Safety Sign (Mount Near Relay Rack)

(XX) Unistrut Signs (Provide & Mount As Indicated)

(2) Winch Dead Wrap Warning Signs (Mounted As Indicated)

Field Verify All Exact Mounting Locations With The Owner & Mount Where Existing Obstructions Permit. DO NOT Mount Any Safety Signage Where It Is Hidden Behind Curtains, Doors, Etc. Or Where It Cannot Be Easily Seen & Read.

SIGNAGE MOUNTING NOTES:

Do Not Mount Any Signage In Locations Where It Is Visible From The Audience Areas (E.G., Do Not Place Signs On Open Galleries Facing Audience Or Signs On Upstage Wall Within View From Seating Areas). Do Not Place Any Signage In Locations Where It Could Become A Distraction To Audience Members.

Signage Is Intended For Stage Hand & Operator Information, Use & Warning. Signage Is Not Intended To Be Visible To The Public. Mount In Suggested Locations Unless Otherwise Instructed By The Owner In Writing.

Generally (With The Exception Of House Devices - Truss, Torms, Shakespeares, Etc.), All Signage Should Be Mounted Near The Device(s) Being Described In The Signage (Within Approx. 3' - 6").

Signs Shall Not Be Mounted To The Upstage Wall Inside The Extents Of The Proscenium Opening Or In Other Locations Where They Are Buried Behind Obstructions.

Signs Shall Not Be Installed Higher Than 8' - 0" AFF To Top Of Sign Unless Specifically Indicated.

All Signage Must Be Installed In Areas Where It Is Visible From Most Onstage & Wing Vantage Points.

GENERAL SIGNAGE NOTES:

All Signage Shall Meet The ANSI Z535.2-2011 (R2017) Or Most Recent Version.

All Safety Signage Shown Is Diagrammatic In Nature. Specific Safety Signage Text & Statements Must Accurately Reflect The Rigging At The Intended Facility. Verify All Pertinent Signage Text With The Designed & Intended System(s). Do Not Include Any Signage Text That Does Not Apply To This Particular Installation. Signage Sizes & Related Text May Need To Be Larger Than What Is Shown Due To Increased Text Demands And ANSI Requirements For Readability At Distance. Typical Readable Distance Is Generally Understood To Be Approx. 10' - 0" To 15' - 0".

Do Not Reduce Signage Text Font Size In Order To Fit Intended Verbiage Onto Specific Signage Size Shown (Except For Critical Signage Sizes Such As Unistrut, Etc. Signs).

Do Not Cherry Pick Desired Text From Examples Shown Or Rename Signage Titles To Suit Personal Tastes. Include All Pertinent & Relevant Text Shown As It Pertains To This Project As Well As Any Additional Text That May Be Relevant. Reinterpretations Of Text Are Not Allowed Without Prior Written Approval.

For All Set Naming Nomenclatures As Shown On The "Set Capacity Chart" Use Those Names As Shown On The Contract Documents Unless Specifically Instructed By The Owner In Writing To Use Alternate Naming Conventions. If The Owner Is Used To Calling Certain Set Types By Specific Names (I.E. Stage Electrics May Be Colloquially Referred To As "LX1, LX2" Or Border Curtains May Be Variously Referred To As Teaser, Olio Valance, Top Masking, Header, Etc.), In Those Cases It Would Be Best To Maintain Owner Familiarity In Naming Conventions To Avoid Confusion. Verify With Owner In Writing Prior To Signage Fabrication.

All Signage Is To Be Installed In Locations That Make Sense & That Meet The Current ANSI Standards, Unless Otherwise Instructed In Writing By Owner To Mount Elsewhere. (I.E. Place Signage Near, Beside Or Above Equipment It Is Referring To & Within Easy View Of Operators, Except For Any Visible FOH Locations.).

All Signage Colors Referenced Shall Meet The ANSI Z535.1-2017 Or Most Recent Version Color Technical Specifications. Specific Pantone Colors Or Color Mix Makeup Percentages Have Not Been Noted Here. Refer To The Most Recent Version Of The Referenced Standard For Exact Color Requirements.

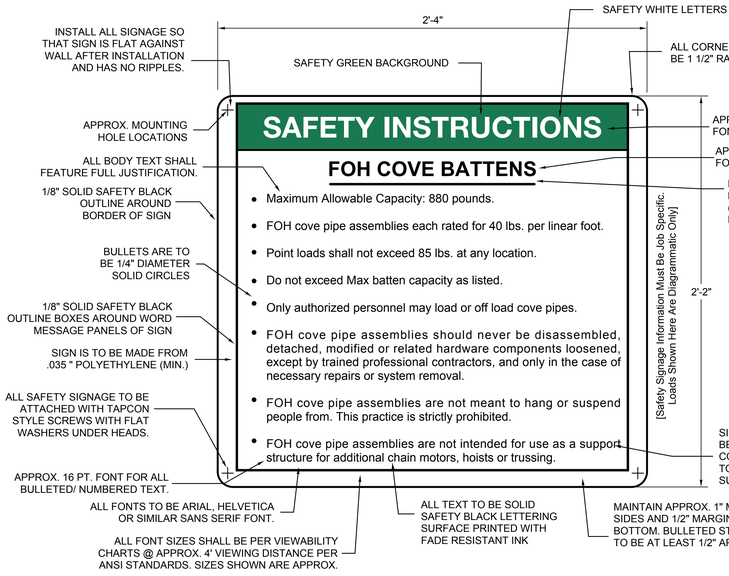
Do Not Include QR Codes Or Other Links/URL's To Specific Standards On Any Signage, As These May Change And/Or Be Superseded Over Time. Instead Reference Higher Level Locations On A Relevant Website (I.E. "Visit The 'Download Standards' Page On ESTA's Technical Standards Program Website @ TSP.ESTA.ORG For More Information" Or Something Similar).

All Signage Must Be Spell-Checked By The Contractor. No Signage With Spelling And/Or Major Grammatical Mistakes Shall Be Allowed. Verify That All Final Signage Text Matches Approved Shop Drawings Prior To Installation. Any Deficient Signage Will Be Replaced By The Contractor At His Own Expense.

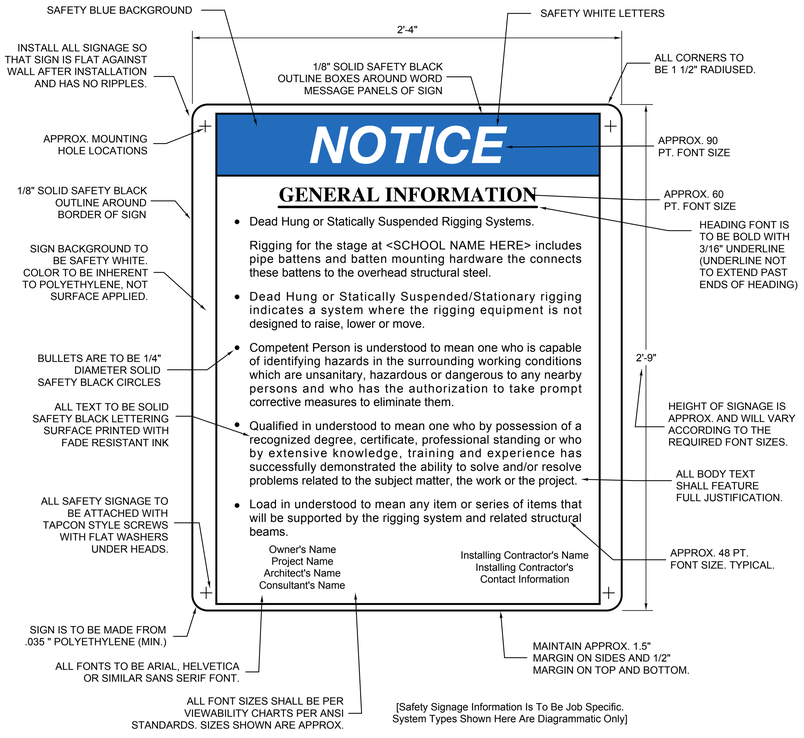
Fully Instruct The Owner On Periodic Maintenance Required Of Signage To Keep Clean & To Maintain Good Legibility Over Time. Inform Not To Use Harsh Cleaning Chemicals On Signage.

Do Not Place Any Safety Signage Where It May Get Damaged Or Dislodged Due To Set, Arbor, Motor Or Other Stage Device Movement Or In Areas Where Portions Of The Signage Will Be Blocked By Doors, Racks, Gates, Rigging System Components, Etc.

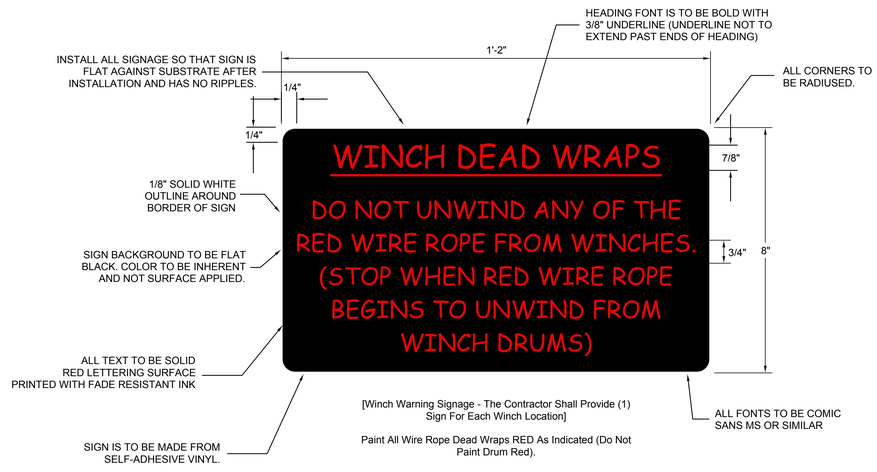
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2 TL510 SAMPLE FOH COVE BATTEN SAFETY SIGNAGE
SCALE: NONE



3 TL510 SAMPLE GENERAL INFORMATION SIGNAGE
SCALE: NONE



4 TL510 SAMPLE WINCH WRAPS SAFETY SIGNAGE
SCALE: NONE

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Sheet No:

NFA TL510

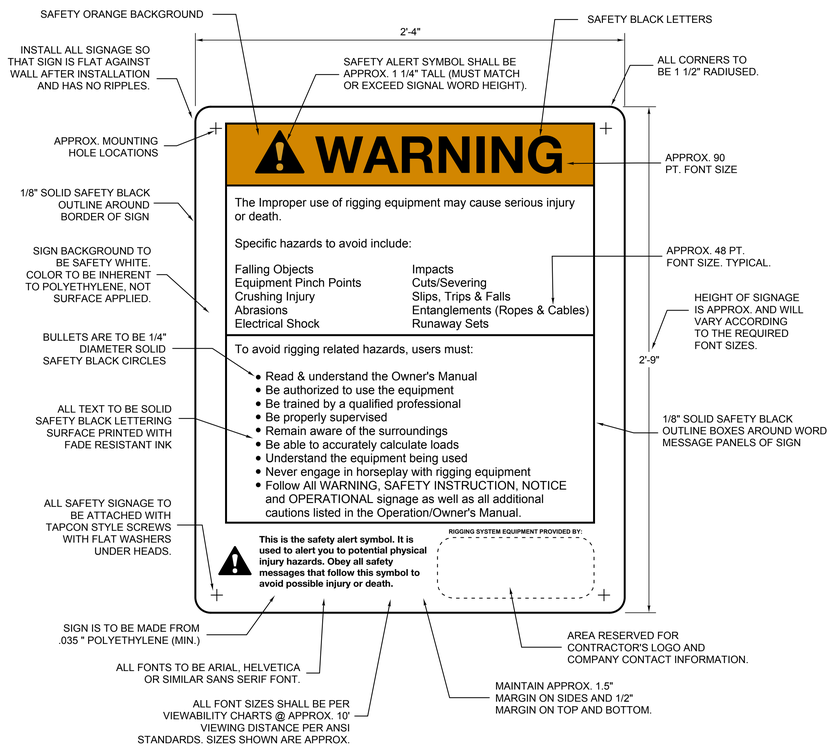
CONSTRUCTION DOCUMENTS

SIGNAGE TYPE & MOUNTING NOTES:

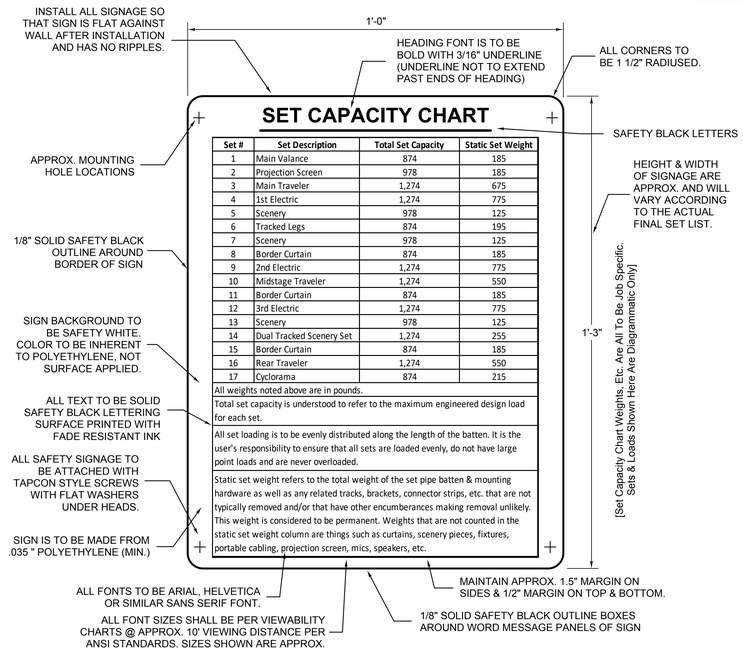
See Other Drawings & Safety Signage Details For Complete Info & Requirements On Signage Types, Mounting, Construction, Etc.

18

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



1 TL511 SAMPLE GENERAL WARNING SAFETY SIGNAGE
SCALE: NONE



Set #	Set Description	Total Set Capacity	Static Set Weight
1	Main Valance	874	185
2	Projection Screen	978	185
3	Main Traveler	1,274	675
4	1st Electric	1,274	775
5	Scenery	978	125
6	Tracked Legs	874	195
7	Scenery	978	125
8	Border Curtain	874	185
9	2nd Electric	1,274	775
10	Midstage Traveler	1,274	550
11	Border Curtain	874	185
12	3rd Electric	1,274	775
13	Scenery	978	125
14	Dual Tracked Scenery Set	1,274	255
15	Border Curtain	874	185
16	Rear Traveler	1,274	550
17	Cyclorama	874	215

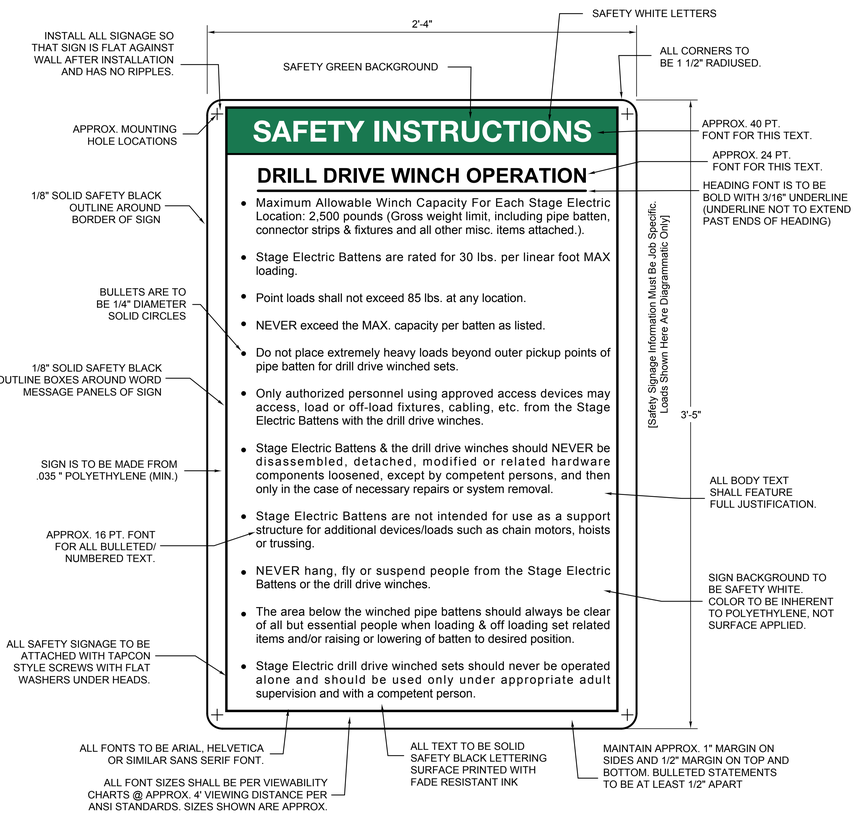
All weights noted above are in pounds.

Total set capacity is understood to refer to the maximum engineered design load for each set.

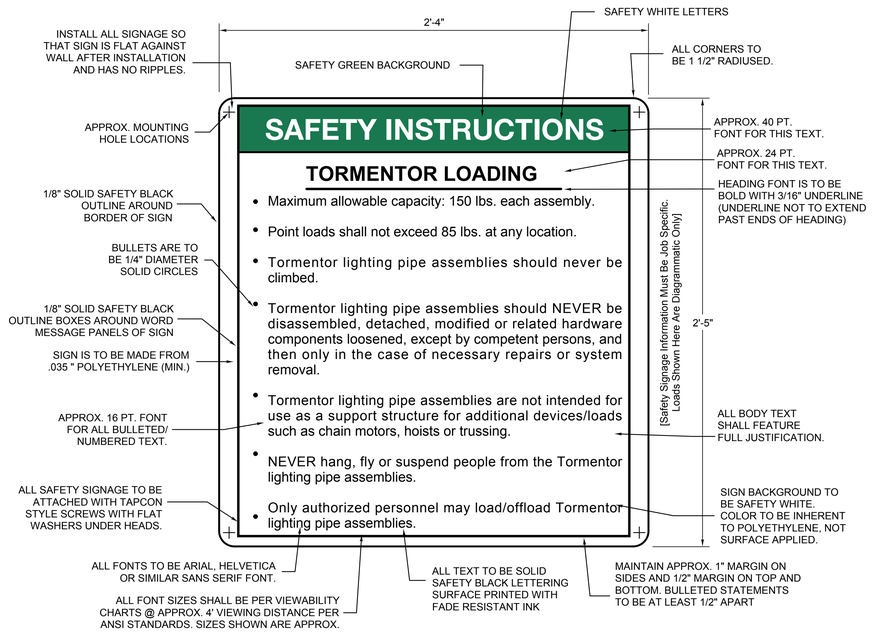
All set loading is to be evenly distributed along the length of the batten. It is the user's responsibility to ensure that all sets are loaded evenly, do not have large point loads and are never overloaded.

Static set weight refers to the total weight of the set pipe batten & mounting hardware as well as any related tracks, brackets, connector strips, etc. that are not typically removed and/or that have other encumberances making removal unlikely. This weight is considered to be permanent. Weights that are not counted in the static set weight column are things such as curtains, scenery pieces, fixtures, portable cabling, projection screen, mics, speakers, etc.

2 TL511 SAMPLE SET CAPACITY CHART SIGNAGE
SCALE: NONE



3 TL511 SAMPLE DRILL DRIVE WINCH SAFETY & OPERATIONAL SIGNAGE
SCALE: 3" = 1'



4 TL511 SAMPLE TORMENTOR SAFETY SIGNAGE
SCALE: NONE

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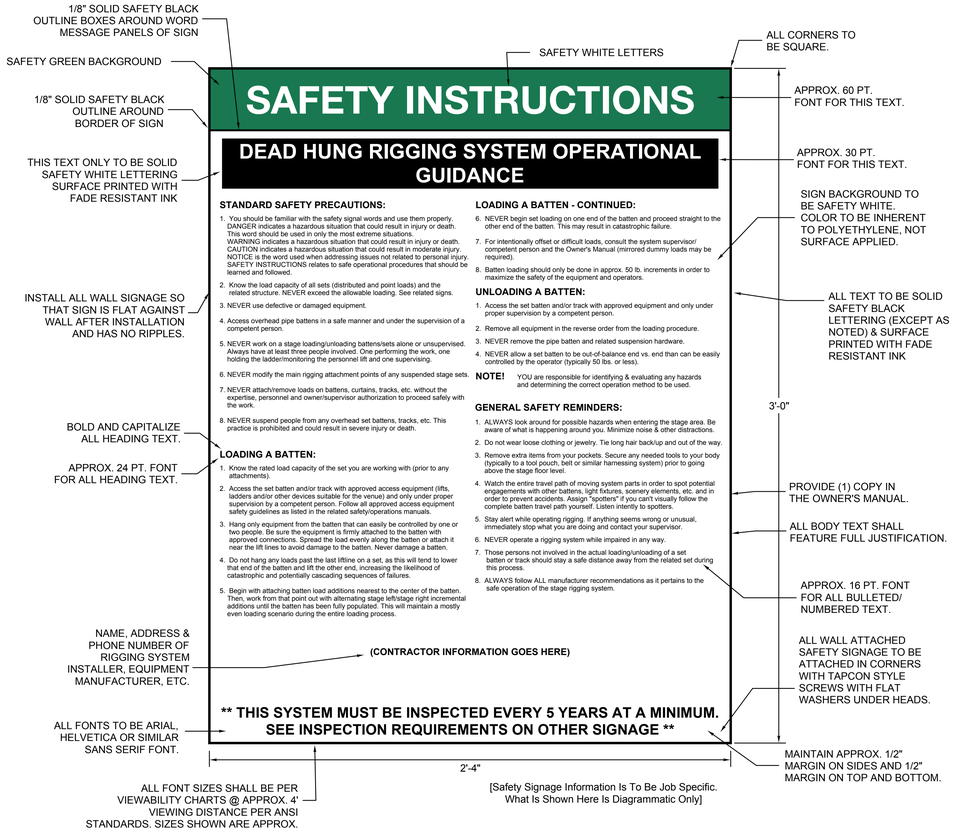
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CONSTRUCTION DOCUMENTS



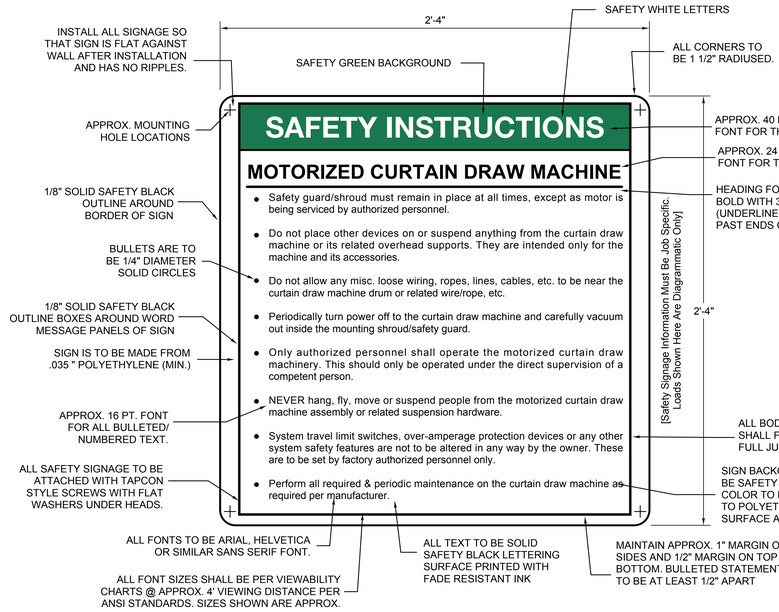
1 TL512 SAMPLE STANDARD OPERATIONAL SIGNAGE
SCALE: 3" = 1'

SIGNAGE TYPE & MOUNTING NOTES:

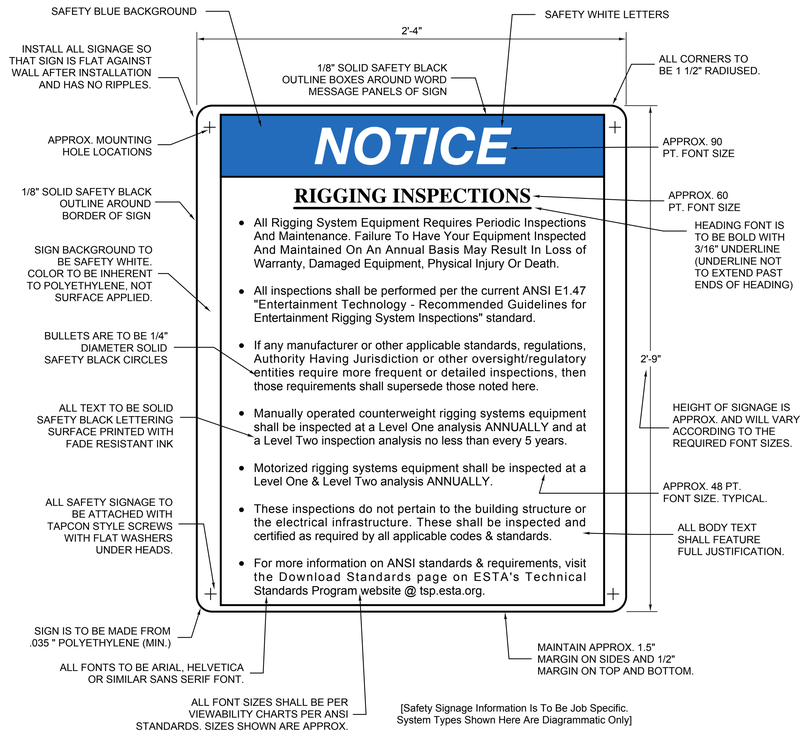
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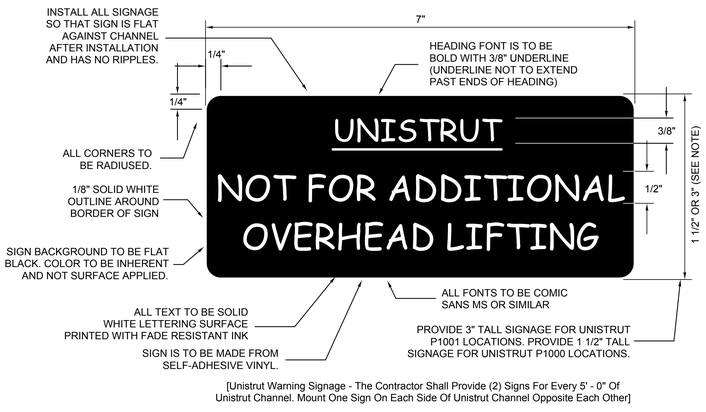
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2 TL512 SAMPLE MOTORIZED CURTAIN DRAW MACHINE SAFETY SIGNAGE
SCALE: 3" = 1'



3 TL512 SAMPLE RIGGING INSPECTIONS SIGNAGE
SCALE: 3" = 1'



[Unistrut Warning Signage - The Contractor Shall Provide (2) Signs For Every 5' - 0" Of Unistrut Channel. Mount One Sign On Each Side Of Unistrut Channel Opposite Each Other]

4 TL512 SAMPLE UNISTRUT SAFETY SIGNAGE
SCALE: 3" = 1'

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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

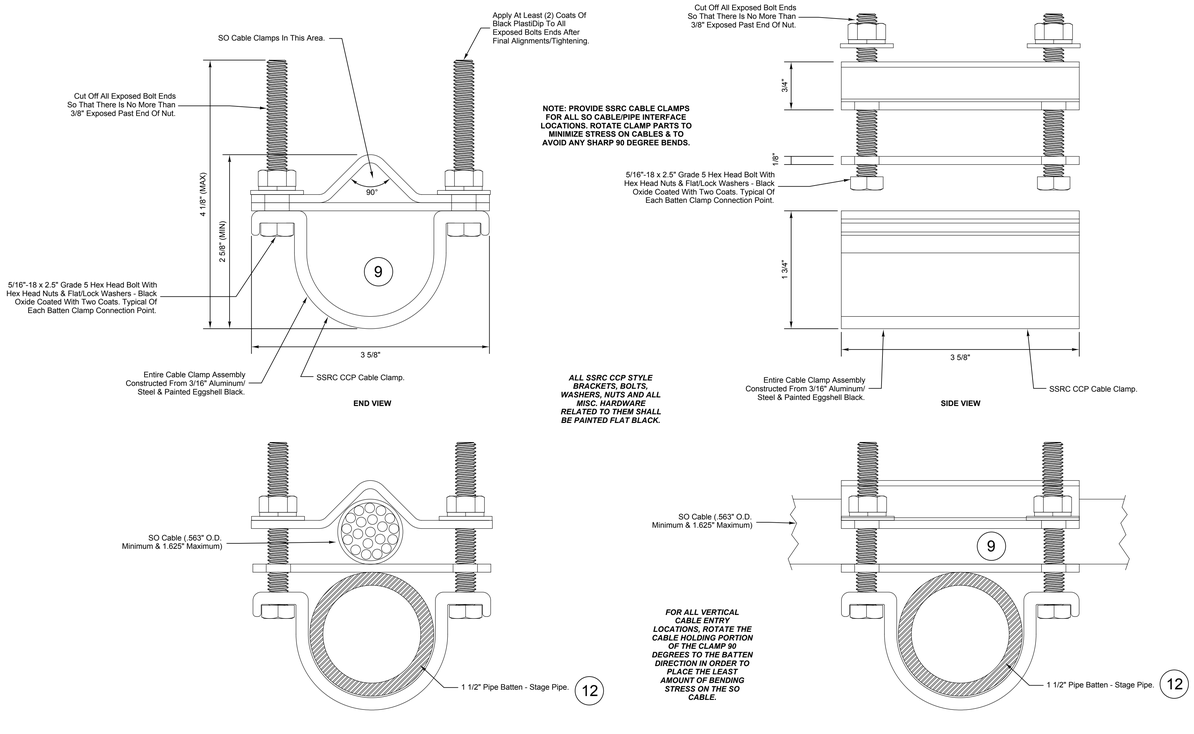
A	DATE	DESCRIPTION

Drawn By:	SPJ
Checked By:	SPJ
Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2006

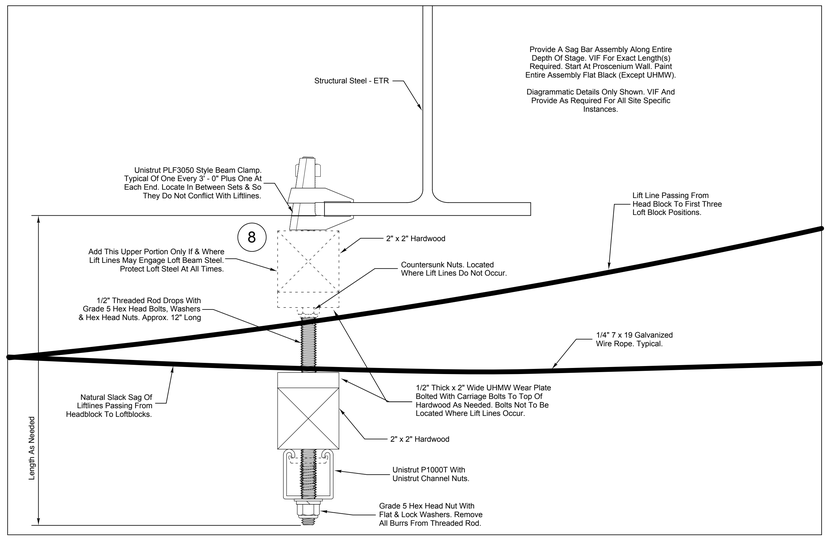
Sheet Title
THEATRICAL RIGGING SYSTEM DETAILS

Sheet No:
NFA TL512

CONSTRUCTION DOCUMENTS



1 SSRC CABLE CLAMP DETAILS
TL513 SCALE: 6" = 1'



2 SAG/SLAP BAR MOUNTING DETAIL
TL513 SCALE: 6" = 1'

REFER TO NFA TL600 SERIES DRAWINGS FOR ALL LIGHTING & RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

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Sheet Title:
THEATRICAL RIGGING SYSTEM DETAILS

Sheet No:
NFA TL513

CONSTRUCTION DOCUMENTS

LIGHTING SYMBOLS KEY:

SYMBOL	ITEM DESCRIPTION	BACK BOX	NOTES
ECHO-T	ETC EchoTouch Controller MK2 - ETS-XX Wall Mounted LCD Touchscreen Control Station - Permanent Location. (Provide The Latest Version Of Touchscreen With Latest Firmware/Software Loaded, Etc. - Verify Locking Cover Option With Owner).	4.88" H x 7.35" W x 3.5" D Factory Furnished	Mounted On Stage As Indicated @ Approx. 60" AFF To Center Of Box (Exact Location & Mounting Height TBD By Owner). Factory Furnished Back Box. Backbox Size Is Approx. Flush In As Required Once Backbox Is In Hand.
E1006	E1006 - ETC Echo Inspire 6 Button Architectural Control Station	One Gang 3.5" Deep	Mounted In Wall At Standard Switch Height Or As Indicated.
E-SPS	ETC Control Series Unison EchoConnect Station Power Supply Box. E-SPS-DIN-KIT. Fully Enclosed Surface Mount Box Requires (1), 20 Amp, 120VAC Power Feed. Provide With All Interconnect Cabling, Etc. As Required. May Not Appear On Plan Drawings.	N/A	Mounted On Wall Above Drop Ceiling Or As Indicated. Coordinate Exact Location With Owner & Other Obstructions.
DMX	DMX Plug-in Station	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
XX" With XX	Indicates Conduit Size And/Or Wire Runs		It Is Understood That The XX" Indicator Typically Contains Two Sets Of Details. The First Detail Is Typically A Number Or Series Of Numbers Or An ETR Designation Before Or To The Left Of The " (Inches) Symbol That Indicates The Conduit Size & Quantity Of Conduit(s) To Be Provided. The Second Detail Indicator Is Typically After, To The Right Of Or Below The "With" Word That Indicates The Quantity & Type Of Wire To Be Provided & Pulled Inside The Indicated Conduits (Whether New Or ETR As Indicated).
XX	Home Run To Or From A Particular Device (May Also Be A Straight Line Or Split-Red Line With A Single Or Multiple Arrowheads).		This Designation Indicates A Power, Conduit And/Or Wiring Run From Or To A Device. This Does Not Recommend Or Indicate Any Particular Routing Path; However, All Routing Paths Should Be Common Sense, As Short As Is Possible & Not Circuitous Or Unnecessarily Long Or Detoured.
CS DMX	DMX Entry At The End Of The Connector Strip/Outlet Box Via An ETC "Top Hat" Style Device. Device Must Have Rubber/Plastic Grommet (Cable Cannot Enter Bare Metal Hole).	N/A	Mounted "Top Hat" On Connector Strip/Outlet Box By ETC. Wiring To Be Terminated Inside "Top Hat". No Connectorized Terminations (IE XLR, RJ45, Etc. Shall Be Allowed At The Top Hat.
ND	Network Drop/Grid Iron Junction Box - ETC Model 9700 DMX. Configured With One Or Two Data Runs As Needed. There Are To Be No Connectorized Terminations On This Box (XLR, RJ45, Etc.). Only Internal, Pressure Clamp Style Terminations Shall Be Allowed.	N/A	Mounted To Side Of Corresponding Gridiron Junction Box. In The Case Of Duals Required, Mount One To Each Side Of GUB.
NPB-X	Network Pull Box - For Lighting Network Feedthrough. There Are To Be No Terminations Within This Box.	8" x 8" x 6" NEMA Box (Min. Size - Provide Larger As Required)	Mounted To Structural Steel And Positioned To Facilitate Conduit Runs To DMX Drop Boxes.
	Power - Duplex Edison Commercial Grade Outlet - (1) 20 Amp, 120 VAC, Single Phase Circuit.	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
GUB-X	ETC Grid Iron Junction Box - Size Each Box For The Number Of Circuits Indicated.	N/A	Mounted To Structural Steel Or As Indicated. Do Not Block Hinged Cover Access, Operation Or Open-Ability.
	ETC Connector Strips (Distribution Series) - Size Each As Indicated On Drawings. Provide Without "Double Height" Termination Box Unless Circuit Count Is Too High For Single Height Strip Wire Integral Terminations.	N/A	Mounted As Indicated. Provide Connector Strip Brackets As Indicated And In Quantities As Recommended By The Manufacturer.
N	Network Plug-in Station (For System Tech Plug-In & Sensor Rack Processor Configuration)	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
DD	DMX Drop/Grid Iron Junction Box - ETC Model 9700 DMX. Configured With One Or Two Data Runs As Needed. There Are To Be No Connectorized Terminations On This Box (XLR, RJ45, Etc.). Only Internal, Pressure Clamp Style Terminations Shall Be Allowed.	N/A	Mounted To Side Of Main Connector Strip Gridiron Junction Box.
DPB-X	DMX Pull Box - For Lighting Network Feedthrough. There Are To Be No Terminations Within This Box.	8" x 8" x 6" NEMA Box (Min. Size - Provide Larger As Required)	Mounted To Structural Steel And Positioned To Facilitate Conduit Runs To DMX Drop Boxes.
CR	Communications Rack - For Echo System, Lighting Control Distribution, Network Distribution & Power, Misc. Power Supplies, Cable Management, Switch(s), Patch Panel(s) & Other Related Equipment. Size Rack for Equipment Specified & Needed To Complete System.		Wall Mounted At 60" AFF To The Center Of The Rack.
DMX I	DMX-IN - DMX Signal Input Plug-in Station With Male 5-Pin DMX Connector.	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
DMX I-2	Dual DMX-IN - DMX Signal Input Plug-in Station With Two Male 5-Pin DMX Connectors.	Two Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
DMX O	DMX-OUT - DMX Signal Output Plug-in Station With Female 5-Pin DMX Connector.	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
2D-CI	ETC NET3 Two-Port Gateway Fed Female DMX Output Connector Jacks. Internally Pre-Wired Into Connector Strip/Outlet Box & Related Device By Manufacturer. Devices Fed From CR Rack Mounted Gateway.		Mounted Inside Outlet Box, At Terminations End Of Connector Strip Or As Indicated. See TL Details For More Information On Device Locations & Placement.
2N	Unison Heritage Dual Network Plug-in Station	Two Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
WAP	Cisco Aironet 1600 Series Enterprise Class (Or Most Current Replacement/Equal), High Power, Concurrent Dual-band, Omnidirectional Wireless Access Point. Provide With External Antennas & Locks, If Needed.	One Gang 3.5" Deep	Mounted On/In Ceiling And For Maximum Coverage Or As Indicated. Provide With Case Color To Match Ceiling/Deck This Device Is Mounted Against.
RR-1	Relay Rack Power Panel: ETC Unison Echo Relay Rack. ERP-24R1- 24B1, 120/208 VAC, Mains Fed Panel With Network, Door, Breakers/Relays, 200 Amp, 120V, 3 Phase Feed Main Breaker. Provide With Ride Thru Option & All Accessories As Required. See Flow Diagram For Complete Details. Rack May Need To Be Upgraded To A Sensor IQ 48 Depending On House & EM Lighting Constraints. VIF & With Engineer/Manufacturer Prior To Submissions.	Provided By Manufacturer	Wall Mounted At Approx. 60" AFF To The Center Of The Rack (If Possible). Field Coordinate Exact Location With Owner, NEC, ADA Codes, Existing Obstructions, Etc.
SEOB-X	Stage Electric Outlet Box - ETC 9100/9300 Series Surface Mount Outlet Box With Network, Outlet, Pigtail & Other Receptacles Indicated.	Provided By Manufacturer	Surface Mounted To Pipe Battens With Brackets As Indicated.
TEOB-X	Tormentor Outlet Box - ETC 9100/9300 Series Surface Mount Outlet Box With Network, Outlet, Pigtail & Other Receptacles Indicated.	Provided By Manufacturer	Surface Mounted To The Rear Balcony Auditorium Wall As Indicated.
DIN-X	ETC Installation Series DIN Rail Enclosure With XXX Port DIN Rail DMX Opto-Splitter. Fully Enclosed Surface Mount Box Requires (1), 20 Amp, 120VAC Power Feed. Provide As Required & With All Interconnect Cabling, Etc. As Required & With All Interconnect Cabling, Etc.	N/A	Mounted On Wall As Indicated At Approx. 60" AFF To Center Of Box. Coordinate Exact Location With Owner & Other Obstructions.
ADC-STPW	ADC Simplici-T Pendant 3 Button Plus E-Stop Wall Mounted Installation Series Curtain Draw Control Station. Device Mounts To Backbox. Provide As Required & With All Interconnect Cabling, Etc. Per The Manufacturer.	Quad Box 3.5" Deep	Mounted On Wall As Indicated At Approx. 60" AFF To Center Of Box. Coordinate Exact Location With Owner & Other Obstructions.
ADC-STDB	ADC Simplici-T Wall Mounted Curtain Draw Machine Drive Box. Device Mounts To Wall. Provide As Required & With All Interconnect Cabling, Etc. Per The Manufacturer.	N/A	Mounted On Wall As Indicated At Approx. 96" AFF To Center Of Box Or As Required By The Manufacturer. Coordinate Exact Location With Owner & Other Obstructions.
ADC-2928S	ADC Track Mounted Curtain Draw Machine. Device Mounts To The ADC 380 Style Track. Provide As Required & With All Interconnect Cabling, Motor Mounts, Spanning Unistrut, Etc. To Properly Position The Machine, Control The Curtain & Support The Machine Weight, Etc. Provide A Safety Cable Backup To Overhead Steel.	N/A	Track Mounted As Required By The Manufacturer. Coordinate Exact Location With Curtain Track, Other Obstructions, Etc.
ADC-STP	ADC Simplici-T Pendant 3 Button Plus E-Stop Loose Pendant Curtain Draw Control Box. Device & Related Control Cabling Get Mounted/Wrapped To A Wall Mounted Cable Hanger - Suncast Hose Hangout Wall Mounted Hose Hanger Or Equal. Provide As Required & With All Interconnect Cabling, Etc. Per The Manufacturer.	N/A	Mounted On Wall As Indicated Standard Switch Height Or As Indicated. Coordinate Exact Location With Curtain Track, Other Obstructions.
SC1008-X	ETC Branch Circuit Emergency Transfer Interface Switch Device. Interfaced To Switch On Houselighting Fixtures During EM Type Events & System Triggers. Provide Multiples As Required Per EM Status, E Series Drawings, Other Notes, Etc. See Flow Diagram For More Info.	One Gang 3.5" Deep	Mounted In Wall At Standard Switch Height, In Rack Or DIN-X Box Or As Indicated. Provide Mounting, Power & EM Signal Data Distro To Each Required Device. All Required Interfaces, Etc. To Make This System Function Properly & To Be Powered As Indicated, Including From EM Inverter Source.

Notes:

All References To "Standard Electrical Outlet Height" And "Standard Switch Height" Are Intended For The Installing Contractor To Mount These Devices To Match These Mounting Heights With Any Existing Or Adjacent Devices On Site In The Auditorium. Most Backboxes For This Project Are Existing & To Remain; However, For All New Backboxes, Etc. The Following Notes Shall Pertain.

All Device Backboxes Shall Be Flush Mounted Unless Otherwise Noted On The Drawings. If Building Construction Makes Flush Mounting Impossible Or Impractical, Then Obtain Written Permission & Instructions From The Architect (Including Specific Device Types, Conduit/Wiremold Types, Required Painting, Sizes, Profiles, Etc.) Prior To Installing Any Surface Mounted Devices (This Is Excepting Devices Such As GUB's, JB's, Pull Boxes, Etc. Mounted To Stage Or Other Overhead Steel).

Where Existing Switches Or Outlets Are Located In The Vicinity Of New Devices And Are Noted As Being Mounted At Different/Conflicting Heights, Verify Design Height Intents With The Owner/Owner's Representative Prior To Rough In & Mount Devices Per Owner/Owner's Representative Written Instructions.

Where Boxes Are Indicated As Surface Mounted, Wiremold Style Boxes Shall Be Utilized, Painted To Match Mounting Surface Or As Directed By Architect/Owner. See E Series Drawings For Restrictions, Etc. For Wiremold Boxes, Raceways, Routings, Etc.

All Backboxes Shall Be 3.5" Deep With Internal Square Edges. No Backboxes With Rounded Or Radiused Corners Shall Be Acceptable. Where Mounting Brackets Are Required, Provide Appropriate Brackets As Needed To Mount To Studs, Wall, Etc. No Contractor Fabricated Mounting Systems Shall Be Acceptable. Read All Drawing Notes For More Information On Backbox Styles, Types, Etc. Required.

Provide The Owner With Actual Sized Paper Template Copies Of All New Station Faceplates That Are Part Of This Project, Which The Owner Shall Then Tape On The Walls In The Final Desired Locations For All Architectural Control Stations. Do Not Install Any Related Conduit Or Backboxes Until Final Locations Have Been Determined By The Owner. No Stations Shall Be Allowed To Exist In Areas Or Locations Where They Conflict With Other Devices, Are Buried Behind Other Devices, Block Access To Life-Safety Devices, Are Tucked Into Inaccessible Corners Or Are Otherwise In Impractical, Out-Of-The-Way Locations.

Standard Switch Height Is Typically 48" To The Top Of Box.
Standard Outlet Height Is Typically 20" To Top Of Box.
Verify All Standard Heights With E Series Drawings/Field Conditions.

Disregard Any Symbols That Were Unintentionally Left In This Symbols Key & That Do Not Apply To This Project Or That Don't Appear/Are Not Referenced Elsewhere In This Set Of Drawings.

THEATRICAL LIGHTING RELATED SYSTEM KEYED NOTES:

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s).

Perform all work as described below and on each TL series drawing. All work shall conform to the standards of Divisions 19 & 26 as well as this project's architectural & structural standards, the construction schedule, the current National Electric Code (NEC) and all other applicable codes and standards.

GENERAL:

Any new/removals related work or adjacent/mounting surfaces, etc. that might become damaged, have holes cut into them, receive anchorages, left with holes, etc. due to removals work, become inadvertently oversprayed/painted or become dirty during construction and the installation of the indicated devices will be protected/patched by the contractor (this includes patching to match existing & painting/repainting all affected walls, ceilings, misc. surfaces, boxes, devices, etc.). All responsibility for protection & patching work shall be by the contractor. The contractor shall provide final cleaning and/or repair of all equipment, patching/painting related surfaces, etc. related to or in their scope to like new (and to match adjacencies) condition.

The contractor must be ETCP certified (either individually or through a company sponsored program). See specs for more details.

Provide all devices, conduits, junction boxes, backboxes, wiring, etc. that are required to have a specified rating as devices with those ratings and listings per all applicable codes. This includes CE, UL, ETC, NEMA, plenum ratings, etc.

Provide all portable devices with strain relief/rubber grommets for all power and data cabling entry/exit from box(es). No devices with simple holes cut in them for cable entry/exit and without grommets or other approved strain relief systems shall be allowed. Strain relief shall be painted to match color of box it is mounted to.

Provide all misc. cabling, jumpers, extensions, turn-arounds, adapters, connectors, labor, data cords, etc. in order to provide and interface all fixtures with plugs to match those on the connector strips and outlet boxes included in the design (and any existing related devices), even if those cables are not specifically listed on the contract documents. Provide all portable and interface cabling with tie line and cable type/length marked at each end.

Program the architectural control system so that all remotely controllable relay circuits are powered on at 6:00 AM and powered off at 12:00 AM every day (with override to ON if someone initiates a preset or control console function at any time during those "off" hours). VIF with owner on "off" hour settings prior to programming. Stagger the relay power up sequence in order to lessen the overall inrush current potential to the power system. This will help in extending the effective life of the LED lights by depowering their control electronics circuits for approx. 6 hours every day. Verify with owner and all applicable codes whether this should also apply to the circuits powering the LED houselighting fixtures that are being powered from the ELTS2 device, as these may need to be programmed to be on at all times in order to meet NEC and owner requirements.

Program all houselighting presets for a typical ramp up/ramp down time of 3 - 5 seconds.

All devices shown on the drawings are indicated in approximate locations. Coordinate the exact locations of all devices shown with the owner, existing obstructions and any other A/V related items that they may need to be located near or in conjunction with.

All device faceplate colors shall be from the manufacturer's standard color selections (cream/ivory, white or black - TBD by owner/architect) with contrasting color engraved lettering/numbering unless otherwise noted (such as junction boxes). In general, device faceplates should match those that they are adjacent to and/or the wall surface they are on. All device faceplates shall be labeled with the nomenclature as indicated on the single line flow diagram. Device types shown on flow diagram and plans shall not be engraved on faceplates (shown on flow diagram in parenthesis - these are for ease of identification only), unless specifically indicated as such. Only the nomenclature shown, plus owner selected names as indicated, shall be engraved on faceplates. Obtain any owner selected device faceplate names in writing prior to ordering or fabrication.

Any time the contractor is working in the attic space above a ceiling (plaster, gyp, grid, wood, etc.), he is responsible to follow all OSHA protocols and to provide all temporary planking, plywood, walking/work platforms, misc. tie-offs, sit harnesses or any other means required to ensure a safe working environment inside this attic space and in order to access the fixtures, JB's and all other locations/devices that he must access or install or conduit that he must run.

MISCELLANEOUS:

Program the architectural control system to pass all necessary DMX channels/values in order to pass and control all intended/indicated fixtures in the system (minimum values are 1 - 2048).

The lighting system equipment must live on a closed loop/dedicated network that shall not be tied into any overall, building-wide network or any network that has pysical tie-ins to the internet or any LAN/WAN networks.

MODEL NUMBERS: Manufacturer model numbers for products are indicated on drawings to provide a full understanding of the system functional intent. See written specifications and the project manual for additional information and requirements for substitutions and procedures.

LIGHTING SYSTEM KEYED NOTES:

Each note indicates a typical location for the type of work to be performed or equipment to be provided. The TC shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and shall be performed by the referenced contractor(s).

SYSTEM SETUP:

1. The lighting system must be fully operational prior to the commencement of any training or acceptance testing/punch list visits. This includes but is not limited to: all programming complete, all circuits verified functional, all data connections verified, network system certified, all fixtures functioning normally, all patches complete, all labeling complete, etc.
2. Address & program all pushbutton/P-LCD stations to control fixtures/fixture groups and at predetermined levels as is required by the owner. The owner will have specific day-to-day controls access requirements, fixture access requirements, pushbutton station functionality requirements, timed event and timed access requirements, etc. that must be completely programmed for the owner. Obtain owner sign-offs, in writing, prior to commencement of final programming.
3. Provide all portable cabling and accessories storage containers, labeling, etc. as indicated. Provide, label and package all portable cabling into the indicated tote/storage container system. Cabling shall be stored by type into different tote sizes as indicated on detail drawings. Remove all shipping wire ties, packaging, etc. and furnish all cables with required tie line, etc. as indicated. See details for complete info.
4. All portable cases shall be set up, custom foam cutouts complete and neat, all devices & accessories stored and marked. Provide laminated list on top of each case that details the case's contents. Mark each case for the owner, as directed, with nomenclature as to ownership, etc.
5. Label all lighting system equipment with nomenclatures as indicated on these drawings. This includes, but is not limited to, architectural control system components, gateways, racks, fixtures, internal rack wiring, low voltage control wiring, patch panel legend(s), etc. All labeling shall be done in neat, block hand lettering or with a label maker. All labeling shall be long-term compatible (i.e., labels must have durable adhesive intended for the substrate they are attached to and the relative conditions of the environment that they are in). Labels that fall off shall be considered faulty and must be replaced by the contractor at no additional cost to the owner.
6. Provide custom signage for the relay rack location as indicated. Provide all nomenclature indicated plus additional as applicable. Mount signage on an adjacent wall near the dimmer/relay rack as space allows.
7. Feed all DMX/0-10V outputs from ETC Response multi-port DMX Gateway and/or 0-10V interface devices (located inside CR rack). Provide as many multi-port, rack-mounted gateway and/or 0-10V interface devices devices as are necessary for the control signals indicated and required.
8. Provide, unpack, set up, address, program and label the lighting control console as well as all LED fixtures, set fan speeds to studio/quiet mode (or other levels as indicated), set colors, create/program/assign console color pickers, create and assign devices in smart template or magic sheet style files, arrange touchscreens (on screen windows and physical layout) per owner's wishes, plug-in power/data cabling, daisy chain as required, manage all related cabling, label fixtures as indicated, provide all tie-line cordage (cut and properly installed), assign fixtures into groups, sub-groups, faders, presets, submasters, etc. on control console as well as in architectural controls, touchscreens, browsers, smart devices and related apps, etc. and at predetermined levels as is required by the owner. Provide an owner-directed focus per spec requirements. Program all DMX and gateway assignments and terminate all DMX runs with terminators per spec. Provide a fully complete lighting package, fully set up and ready to use.
9. All gateway devices (or other similar devices featuring any type of LCD screen, etc. that presents information that must be read and/or that contains menus that must be accessed for programming, etc.) must be mounted upright in whatever housing, backbox, connector strip, outlet box, etc. that it may be located in and regardless of if they are portable, permanently mounted or otherwise. No gateways shall be allowed that are mounted horizontal, upside down or in any otherwise orientation unless specific drawing details or notes indicates otherwise.
10. Provide owner training sessions as described in detail in contract document written specifications. Training shall be on both any included and/or reused ETR and all new equipment.

GENERAL NOTES:

Do not scale plans.

Field verify all dimensions before ordering material or performing any work. Location of all devices must be coordinated with existing and/or new architectural, mechanical, electrical and structural elements. Where conflicts occur contact the architect, construction manager and consultant in writing for clarification before performing any work.

Where work is critically dimensioned to work provided by others it is the sole responsibility of the contractor to verify the intended location of all other elements with all other contractors by reviewing their shop drawings.

Coordinate all work for symmetrical installation with relation to height and level with architectural elements, switches, outlets, and other controls.

These drawings represent the configuration of a system. They do not in any way constitute instructions for installation except with regards to configuration. The sole responsibility for field verification of dimensions, installation/fabrication methods, code conformance, safety issues and the quality and performance of their work shall be that of the installing contractor.

These drawings are to be interpreted in conjunction with all other drawings in the construction set as well as written specifications for this project. The contents of these drawings does not in any way negate the written specifications nor do the written specifications in any way negate the contents of these drawings.

If there are inconsistencies between written specifications and drawings or between any drawing and other drawings in the construction document set, it is the responsibility of the contractor to obtain clarification before bidding this project. If no clarification has been obtained prior to bid, then the contractor shall abide by the decision of the architect and consultant at no additional cost to the owner even if work has to be redone.

Obtain shop drawings from all related trades to verify the intended configurations and scheduling of all contract work. All contractors are responsible for coordinating their work with other related trades in a manner that avoids conflicts of work, device placements and scheduling.

ELECTRICAL RELATED NOTES FOR THE THEATRICAL LIGHTING SYSTEM:

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s).

Perform all work as described below and on each TL series drawing. All work shall conform to the standards of Divisions 19 & 26 as well as this project's architectural & structural standards, the construction schedule, the current National Electric Code (NEC) and all other applicable codes and standards.

It is understood that there may be multiple instances/quantities of devices that are not shown on the contract drawings but that are required in the final configuration per the manufacturer's shop drawings. All contractors are responsible to provide for all required instances/quantities and locations as part of their bid. Consult the manufacturer's shop drawings for all final instances/quantities prior to rough-in and provide for all.

PROFESSIONAL STANDARDS:

The contractor is expected to install all work to the appropriate industry professional standards, manufacturer recommendations and current applicable codes. If any work required exceeds the skills of the contractor, then he shall employ appropriate subcontractors for the scope required.

The acceptability of materials and workmanship shall be determined by the Architect, Consultant and CM.

Any related work or adjacent/mounting surfaces, etc. that might become damaged, have holes cut into them, receive anchorages, left with holes, etc. due to removals work, become inadvertently oversprayed/painted or become dirty during construction and the installation of the indicated devices will be protected/patched by the contractor (this includes patching to match existing & painting/repainting all affected walls, ceilings, misc. surfaces, boxes, devices, etc.). All responsibility for protection & patching work shall be by the contractor. The contractor shall provide final cleaning and/or repair of all equipment, patching/painting related surfaces, etc. related to or in their scope to like new (and to match adjacencies) condition.

The contractor shall attend and/or arrange meetings as required to ensure their scope is coordinated with all other trades. The contractor is responsible to make known to all other trades critically dimensioned items and locations to avoid conflicts. Where conflicts occur, follow required procedures in the project manual to seek resolution.

Where any substandard work is provided by related trades that impedes the work of the contractor, he shall notify the CM, Consultant, Architect or Engineer in writing as called for in the project manual to rectify the issue.

Where work is provided by others, the contractor is responsible to verify installation conditions that relate to his work. If installation of related work is substandard, then the contractor shall generate a written RFI (request for information) base upon the project manual. The contractor shall not install his work to any substandard devices, etc. provided by others until such work has been resolved or until the contractor has received written authorization from the construction manager to proceed. If the contractor ignores substandard installation work by others and proceeds to install his devices to these items, then he accepts and bears sole responsibility to any issues that may arise from his work being installed over substandard work.

The contractor shall comply with the AHJ (Authority having jurisdiction) as it relates to programming any and all emergency interfaces.

The contractor is expected to possess knowledge of the equipment of his industry and to provide all small items required to install the specified equipment. Provide all small items such as wall rails, DIN rails, spec blanks, panel glands, power cords, connectors, wall-wart power supplies, crimps, nicopress and other items that may not be specifically called out on the drawings or in the specs but are required to support primary equipment.

When in doubt about any aspect of the work, the contractor should not proceed until he obtains clarification from the appropriate entity with authority following procedures detailed in the project manual.

BOXES, CONDUIT & WIRE:

All work must comply with applicable codes, NEC and NYSED requirements.

All output load wiring from the dimmer/relay racks must be 90°C rated copper wire only.

All conduits indicated to be flex conduit are understood to mean this term in its most generic sense and is intended to indicate the use of any non-rigid conduit on the market that meets NEC and the intents of this project (flexible armored steel, MC, flex, FMC, ENT, LNFC, LFMC, FMT, metallic aluminum, PVC coated flexible conduit, etc.). Where visible, it must be spray painted black or black jacketed.

No conduits and/or wiring shall be allowed to be routed in, around or in such a way as to restrict or obstruct the movement of any rigging system components.

Connector strip/outlet box electrical wiring shall be black jacketed SO/SJOW/SOOW (or similar equivalent rating as required per NEC and installation location) multi-conductor cabling. Utilize as few multi-conductor cables as is required in order to support the indicated circuits (including individual hots, neutrals and NEC required quantity of grounds). Multiple single circuit SO style cables bundled together shall not be allowed.

Verify exact wiring details, conduit/wire routing paths, etc. with approved factory shop drawing submittals for technical, performance and theatrical systems prior to roughing in any power, conduit or wiring for devices. Some devices have internal lugs, some may require external or additional boxes or outlet devices and some devices may be approved equivalents.

Coordinate the exact locations of all devices with the lighting, rigging, A/V and other theatrical/technical systems clearance requirements, etc. in planning out conduit & cabling paths/lengths. The conduits shown on the drawings are understood to indicate the conduit types, sizes and wiring required only. The exact conduit routing paths and quantities of couplers, elbows, LB's, JB's, misc. pull boxes, support hardware, etc. that are required have not been indicated and must be determined by the contractor prior to rough-in.

Architectural controls & misc. system interface/power boxes: Devices have been shown in suggested yet diagrammatic locations on these drawings; however, it is the intent that the owner choose all final actual locations of all devices. Obtain owner sign-offs for all device placements prior to rough-in. Coordinate final locations with existing obstructions.

Mount and locate all indicated equipment per NEC regardless of the visual depiction locations shown on the contract drawings. If a device must have NEC driven clearances, etc. and this precludes mounting the device in or near the indicated location, then locate the device where it needs to be in order to meet NEC.

Provide all wiring run in conduit unless specifically noted on these drawings as otherwise. No conduit shall be allowed to be loaded beyond 50% fill.

Provide all devices, conduits, junction boxes, backboxes, wiring, etc. that are required to have a specified rating as devices with those ratings and listings per all applicable codes. This includes CE, UL, ETC, NEMA, plenum ratings, etc.

Terminate all conduits into racks, junction boxes, pull-boxes or other appropriate devices as indicated. No cut off conduits with end bushings and wiring dangling out the end shall be allowed.

Any wiring splices necessary must utilize butt style inline insulated splices crimped with a properly adjusted controlled cycle termination tool. Referenced product Panduit BSV10X-D or equal. Size splices per gauges of wiring to be spliced & provide as required. No incorrectly sized splices shall be allowed.

Labeling: All conduits shall be clearly labeled on each end as to their origin and destination in a simple, logical manner. All junction boxes, switch boxes and backboxes indicated on drawings shall be labeled with the nomenclature indicated on the drawings. All outlet boxes shall be labeled with the corresponding panel and circuit designations they are fed from. Permanent black marker is acceptable on conduit, junction boxes, etc. that will not be painted. If any related devices are to be painted, then provide the following: Conduits shall be labeled with 3M Durable ID Labels with permanent adhesive (applied after painting). Junction boxes, etc. shall be labeled with 3M Durable ID Labels with permanent adhesive (except stage devices, which shall be labeled with Lamacoid style engraved labels, permanently adhered to the device). All junction boxes, outlets, etc. shall also be labeled on the back of cover plate and also with a durable tag inside each box stating the same information. All labeling shall be done with block style lettering/numbering by hand or printed. All labeling shall reference the device's designation, conduit originations/destinations, etc. & not be a coded, indexed or legend style referencing system. Masking tape labeling is not allowed.

Painting: The contractor shall be responsible to paint all conduit, JB's, flex/MC, fittings, hardware, misc. related items, strut channel, touch-up of affected areas, etc. that he has provided, interacted with, mounted to and as indicated (typically a flat finish paint to match the substrate the items are mounted to, unless other specific instructions have been listed-VIF in writing with owner, architect and CM prior to implementation). Painting shall be required regardless of the contractor's installation schedule, the delivery schedule of related trades and their equipment or the timing of the painting contractor and his work. This includes proper prime paint coats as well as all required covering finish coats. All paint must be appropriate for the device/surface it is applied to. Properly prep all surfaces prior to painting. All paint must be applied professionally without any runs, drips, streaking, blotching, etc. and must present an even final finish coat over the entire surface of the item being painted.

Provide blank cover plates for any switch box or junction box that does not have a specific device plate indicated on the drawings symbols keys. All cover plates will be provided in a color and style that matches other cover plates in the immediate vicinity of the indicated device or as determined by the owner. Cover plates shall be "form fitting" and shall not have sharp edges that protrude out past edges of backboxes.

All conduits shall be concealed unless specifically called out on drawings as exposed. Any visible conduits and boxes are to conform to general contract requirements and Division 26 for finish and installation requirements.

FLEXIBLE CABLE DROPS:

Flexible cable supports and strain reliefs shall be as follows: Cable entry into raceways, grid iron or other junction boxes (such as for SO type flexible wiring) shall be Hubbell Wiring Devices Kellems grip strain relief, Deluxe hood light cable grips (97401 series). Where multiple cables are bundled together provide a separate kellems for each cable entry and start bundling the cable far enough down for each cable to exit cords of grips. Cable support (such as overhead or auxiliary support for SO type flexible wiring, power cabling, control wire, etc.) shall be Hubbell Kellems grips for cable support (02208 series) heavy-duty, single eye, double weave grips. Note that both styles of grips MUST be installed over the blunt cut end of the wiring, so coordinate installation of grips with termination of related cabling.

Flexible cables shall be sized to allow proper swag to the rigging system. Coordinate exact length with the rigging system and related set movement/travel and related trades. Do not purchase, install or terminate any flexible cable drops until the required length is determined.

Provide flexible control cable drops for connector strips/outlet boxes. Where these attach to connector strips/outlet boxes (DMX or network distribution) they will need to be bundled with the SO multi-cable. Provide all flexible control cable drops as black jacketed TMB ProFlex or Belden 7939A DataTuff certified Cat 5e style cabling down to connector strip(s). Solid core wiring is not allowed for flexible data drop cabling.

All circuits are required to have separate hot and neutral conductors. Provide ground wiring as required by applicable code. All circuits shall be calculated for full rated loads, constant duty, non-diversity, unless otherwise indicated. Size wire gauges and conduit to allow for full load operation after taking into account all derating for distance, voltage drop and other conditions required by the NEC, the New York State building codes and any applicable local codes.

Provide all low voltage control cabling pulled in and out of conduit as indicated on drawings. Do not pull any wire until submittals and lighting shop drawings have been approved & issued. Verify all wire types, quantities and routing with the approved submittal shop drawings.

Where low voltage wire is indicated on the drawings, either in conduit or in walls, ceilings or chases, this wire shall be provided with at least 3' excess wire at each end unless otherwise indicated on the drawings. Secure ends of all pulled wire to prevent accidental removal or damage during construction. Label all low voltage cables as to their origin and destination and tuck into back boxes to protect from damage and until final termination by the factory technician. Coordinate availability on site when the wiring is to be terminated to assist with any problems encountered by the factory technician. Provide continuous pull strings in all conduits even after all indicated wire is pulled.

Where conduit is indicated with no wire called out on the drawings, provide the conduit with a pull string. Provide continuous pull strings in all conduits, tied off at both ends, even after wire has been pulled. Wire must be able to be pulled through the conduits without exceeding the pull spec of the specified wiring. Typical pulling tension for cables of this type is between 35 and 50 lbs. tension.

In some areas wiring may be called out as CL3 not in conduit. In these areas provide adequate attachment and support to protect the cable from potential damage using the best routing. Wiring may not be left lying loose in any area unless fully protected (i.e. Inside a wall).

Install all Category 5 or higher cabling noted on these drawings in accordance with all applicable ANSI/TIA/EIA standards and recommended practices as it relates to cable run lengths, cable pull tension, minimum bend radii, etc. Any damaged or non-functional cabling installed and found to be defective shall be completely replaced the installing contractor's own cost.

Do not coil excess category cabling (with the exception of minimal service loop as indicated).

All category & data cabling in visible areas or routed alongside SO cabling on stage must be black jacketed cabling. All category cabling in sensitive architectural areas must be a matching/complementary jacketed cabling (to match adjacent surfaces) and as directed by the architect/owner. All category/data cabling must be neatly routed along existing structural or contractor provided supports and tied up every 18" unless otherwise noted.

Radius all conduits where possible. Conduit runs are not to exceed 180 degrees of radius bend. Where elbows and pull boxes are unavoidable, locate these in easily accessible locations not requiring special equipment to reach. Any elbows used must be swepts and must be accessible without the use of special equipment. If more than 180 degrees of bend is required, Provide accessible pull boxes. Provide as-built drawings that clearly indicate the exact locations of all pull boxes with dimensions, conduit routing paths with dimensions and all junction/termination boxes.

Provide all power circuits indicated on TL, TR, and TS drawings and associated conduit, backboxes, wire, termination and duplex outlets. Termination of these outlets will be to panel boards as indicated on E-series drawings. These outlets may also be indicated on E series drawings. Check TL and E drawings and verify there is no duplication of devices. Some outlets are to be installed in racks - coordinate with the theatrical contractor for exact locations within each rack.

Fire stop all penetrations in fire rated assemblies resulting from the work of this contract.

Provide acoustic caulk infilling and professional finishing on both sides of any acoustic wall, floor or ceiling or any that is shared with the auditorium or related ancillary spaces that has been penetrated by lighting system related conduit, raceway or wiring.

INSTALLATION OF EQUIPMENT:

Take extreme care in laying out all stage conduits in order to avoid conflicts with other audio/AV/lighting/rigging system equipment, other obstructions, fire/smoke devices, etc. Avoid bunching up conduits into large swaths, especially in areas where the GUB's need to be located or other items need to be supported from overhead (do not obstruct other required hanging wireas, etc.).

Install system devices, boxes, JB's, cabling, racks, wiring, conduit, backboxes, misc. devices, all related hardware, terminations, field verifications, reports, certificaitons, etc. as delineated on these drawings.

Completely infill around all conduit penetrations into and out of the dimmer, CR, ELTS or other lighting related racks, etc. which penetrate floors, walls, mezzanines, acoustic isolation barriers/assemblies, common walls with the performance space, etc. in a cosmetically pleasing fashion and per the architect's instructions. Infill material may be spray foam and/or acoustic caulking; however, installation methods must be neat, professional and without excess material spilling over into any racks or related hardware. Any infill spray used must include proper masking, cleaning of excess spatter, etc. prior to terminations and energization.

All attachment methods for equipment to conform to Division 26 and Division 19 specifications.

If owner input and written sign-offs are not obtained on device locations prior to rough-in as indicated, then the contractor will relocate all improperly located devices, conduit, wire as required at no additional cost to locations as chosen by the owner.

Any time the contractor is working in the attic space above a ceiling (plaster, gyp, grid, wood, etc.), he is responsible to follow all OSHA protocols and to provide all temporary planking, plywood, walking/work platforms, misc. tie-offs, sit harnesses or any other means required to ensure a safe working environment inside this attic space and in order to access the fixtures, JB's

STAGE RIGGING CURTAIN SCHEDULE:

Curtain Name	Width	Height	Notes	Fullness	Material Type
Main Valance	As Indicated	As Indicated		75%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic With No Lining
Main Traveler	As Indicated	As Indicated	Bi-Parting: Total Width - Does Not Include Required Overlap	75%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic With No Lining
All Legs	As Indicated	As Indicated	Walk-Along Style With Velcro Closures And Track	50%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic With No Lining
All Border Curtains	As Indicated	As Indicated		50%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic With No Lining
All Other Travelers	As Indicated	As Indicated	Bi-Parting: Total Width - Does Not Include Required Overlap	50%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic With No Lining
Fabric Strap Tie-Backs	As Indicated	As Indicated	Flat Fabric Tie-Back Straps Shall Be Utilized To Tie Curtains Back And/Or To Gather Them Out Of The Way For Certain Events, Etc.	0%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic. Tie-Back Straps Shall Match Curtain Color (I.E., Straps For Stage Blacks Shall Be Black, Straps For Main Traveler Shall Match Traveler Material Color, Etc.)
All Walk-Along Side Masking Leg Panels	As Indicated	As Indicated	Provide Curtains In Individual Panels That Are Able To Be "Ganged" Together In Various Configurations In Order To Mask Different Areas As Needed Or So That Entire Bank Of Panels Can Be Attached To Form One Continuous Traveler Curtain. Provide Each Curtain Panel With 3" Strips Of Color Matched (As Closely As Possible), 1" Wide Velcro Every 12" OC Down The Edge. Panels Shall Feature "Loop" Velcro Down The Front Of Side Edge & "Hook" Velcro Down The Back Of The Other Side. Locate Velcro Closures Only On First 8' Of Curtain AFF.	25%	KM Fabrics 24/25 oz IFR KM Charisma/FK Epic With No Lining

NOTE: *Refer To Rigging Specifications For More Information Regarding Specific Curtain Types, Colors, Fabrication & Other Requirements.*

General:

"As Indicated" Intents Are That All New Curtains Be Sized Per The Plan & Section View Drawing Dimensions Shown. Unless There Are Physical Constraints With The New System Which Preclude This Intended Sizing. If Physical Sizing Constraints Are Present Which Do Impact The Intended Curtain Sizing, Then Contact The Consultant In Order To Obtain Revised Sizing Requirements.

IFR Indicates That Curtain Material Is Inherently & Permanently Flame Retardant & Never Flame Treatment For The Life Of The Fabric. Flame Retardant Will Not Wash Out Unless Treated With Additional Flame Retardant Chemicals.

Oz Weights Given Are Per Yard And Are Approximate. See Manufacturer's Specs For Exact Weight Per Yard.

Miscellaneous:

All Uninstalled Drapes Shall Be Neatly Folded, Bagged, Sealed, Labeled And Stored As Instructed By The Owner (Use Curtain Hampers If Provided).

All Installed Curtains Must Be Hung Long Enough For All Wrinkles, Folds & Creases From Storage & Shipment To Have Been Removed (Use Bottom Pipe Weight, Stretchers, Etc. To Assist As Needed). Final Curtain Presentation, Upon Acceptance Testing & Room Turnover To The Owner, Shall Be Smooth, Flat Curtains. No Curtains Displaying Wrinkles, Folds & Creases Or Other Such Anomalies Shall Be Allowed Or Accepted.

Regardless Of The Overall Width Of Bi-Parting Style Curtains Shown On The Drawings, Provide Each Panel In A Bi-Parting Curtain In A Width That Is 1/2 Of Total Width Shown Plus 12" (Additional Width, When Coupled With Other Panel Shall Result In 24" Bypass At Center Stage). No Bi-Parting Curtains Shall Be Allowed That Do Not Display This Overlap. Overlap Cannot Be Obtained By Tracking Curtains In From Track Ends, Overly Stretching Curtains, Deducting From Indicated Fullness Or Other Alternate Means.

All Curtains & Related Tracks Shall Be Mounted So That They Are Centered With The Proscenium Opening, Unless Specific, Detailed Instructions Are Shown Requiring Alternate Mountings Relative To The Proscenium Opening. This Does Not Apply To Leg Curtain Track & Hits. These Should Be Mounted So That Track Is Flush With The End Of The Related Batten.

The Bottom Edge Of All Installed Curtains Must Be Level & Flat Relative To The Stage Floor. No Curtains Shall Be Allowed That Feature A Hump, Angle, Wave Or Other Non-Parallel & Non-Level Installations.

Provide Flat Fabric Tie Back Straps For Use As Tie-Ups For All Side Masking Legs & Traveler Curtains. See Details For Complete Info.

All New Curtains Shall Be IFR Unless They Are Specifically Called Out On These Drawings Or In The Written Specifications As Being Other (This Would Include Select Specialty Curtains That Cannot Be Obtained In An IFR "Version" Such As Some Muslin Cyclorama, Painter's Drops, Etc.).

WARNING! - Notify The Owner In Writing And During Trainings (To The Highest Level Possible) That Any Future Chemical Treatments Of IFR Curtains (Such As The Application Of Misc. Fire Retardant Or Equal) Will Negate Those Very IFR Properties In The Fabric, Thus Potentially Rendering Them Able To Burn And In Violation Of NFPA Standards. Notify The Owner That, If Such Chemical Treatments Are Applied To IFR Curtains The Manufacturer Cannot Stand Behind The Material.

GENERAL NOTES:

Do not scale plans.

Field verify all dimensions before ordering material or performing any work. Location of all devices must be coordinated with existing and/or new architectural, mechanical, electrical and structural elements. Where conflicts occur contact the architect, construction manager and consultant in writing for clarification before performing any work.

Where work is critically dimensioned to work provided by others it is the sole responsibility of the contractor to verify the intended location of all other elements with all other contractors by reviewing their shop drawings.

Coordinate all work for symmetrical installation with relation to height and level with architectural elements, switches, outlets, and other controls.

These drawings represent the configuration of a system. They do not in any way constitute instructions for installation except with regards to configuration. The sole responsibility for field verification of dimensions, installation/fabrication methods, code conformance, safety issues and the quality and performance of their work shall be that of the installing contractor.

These drawings are to be interpreted in conjunction with all other drawings in the construction set as well as written specifications for this project. The contents of these drawings does not in any way negate the written specifications nor do the written specifications in any way negate the contents of these drawings.

If there are inconsistencies between written specifications and drawings or between any drawing and other drawings in the construction document set, it is the responsibility of the contractor to obtain clarification before bidding this project. If no clarification has been obtained prior to bid, then the contractor shall abide by the decision of the architect and consultant at no additional cost to the owner even if work has to be redone.

Obtain shop drawings from all related trades to verify the intended configurations and scheduling of all contract work. All contractors are responsible for coordinating their work with other related trades in a manner that avoids conflicts of work, device placements and scheduling.

THEATRICAL RIGGING SYSTEM KEYED NOTES:

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s). All work shall conform to all applicable codes, construction schedules and standards as well as this project's architectural & structural standards.

PROFESSIONAL STANDARDS:

The contractor is expected to install all work to the appropriate industry professional standards, manufacturer recommendations and current applicable codes. If any work required exceeds the skills of the contractor, then he shall employ appropriate subcontractors for the scope required.

The acceptability of materials and workmanship shall be determined by the Architect, Consultant and CM.

Any work that might be damaged, inadvertently painted or become dirty during construction will be protected by the contractor. All responsibility for protection shall be by the contractor. The contractor shall provide final cleaning and or repair of all equipment in their scope to like new condition.

The contractor shall attend and/or arrange meetings as required to ensure their scope is coordinated with all other trades. The contractor is responsible to make known to all other trades critically dimensioned items and locations to avoid conflicts. Where conflicts occur, follow procedures in the project manual to seek resolution.

Where any substandard work is provided by related trades that impedes the work of the contractor, he shall notify the CM, Consultant, Architect or Engineer in writing as called for in the project manual to rectify the issue.

Where work is provided by others, the contractor is responsible to verify installation conditions that relate to his work. If installation of related work is substandard, then the contractor shall generate a written RFI through proper channels based upon the project manual. The contractor shall not install his work to any substandard devices, etc. provided by others until such work has been resolved or until the contractor has received written authorization from the construction manager to proceed. If the contractor ignores substandard installation work by others and proceeds to install his devices to these items, then he accepts and bears sole responsibility to repair, reinstall and correct any found deficiencies to the satisfaction of the owner upon final inspections.

The contractor is expected to possess knowledge of the equipment of his industry and provide all required small items required to install the specified equipment. Provide all small items such as misc. JB's, connectors, power supplies, crimps, nicopress and other items that may not be specifically called out on the drawings or in the specs but are required to support primary equipment.

When in doubt about any aspect of the work, the contractor should not proceed until he obtains clarification from the appropriate entity with detailed procedures detailed in the project manual.

All painting shall be performed in a professional manner. This includes utilizing proper priming and finish coating techniques as required and the proper masking of adjacent areas.

Paint shall be spray applied where possible before suspension and shall be multi-coat and neat. no drips, runs, mottled finishes, etc. shall be allowed.

Any time the contractor is working in the attic space above a ceiling (plaster, gyp, grid, wood, etc.), he is responsible to follow all OSHA protocols and to provide all temporary planking, plywood, walking/work platforms, misc. tie-offs, sit harnesses or any other means required to perform a safe working environment inside this attic space and in order to access the fixtures, JB's and all other locations/devices that he must access or install or conduit that he must run.

The contractor must be ETCP certified (either individually or through a company sponsored program). See specs for more details.

THEATRICAL SCOPE NOTES FOR THE THEATRICAL RIGGING SYSTEM:

GENERAL:

All drill drive or dead hung rigging systems equipment to be H&H Specialties, Thern, ETC, SSRC, ADC or equal. All system miscellaneous hardware such as shackles, bolts and other hardware to be of domestic manufacture and stamped with the working load limit. The working load limit shall incorporate a safety factor of at least 10:1. See written specifications and detail drawings for additional rigging standards and requirements. Minimum size of misc. hardware to be 1/4" (this includes wire rope assemblies). Provide larger sizes as required in order to maintain indicated load ratings and safety margins.

All rigging system equipment and all misc. hardware shall be brand new (never been used before) and specifically configured for use on this project.

All rigging system equipment and all misc. hardware used on this project must be properly primed and finish painted. No rusty metal parts, mill/shiny/silver finishes or related hardware shall be allowed. All rigging hardware is intended to be painted flat black unless otherwise indicated (paint similar to adjacent or as directed by architect for all aesthetically critical items).

Wherever strut type channel is used and is visible either on stage or in audience/ceiling areas, the channel and all related clamps/accessories must be painted flat black (including the interior of the channel, etc.). Painting must be complete and professional (no drips, runs, missed areas, etc.). Strut channel must be Unistrut Perma Green III or equal base finish.

Wherever strut type channel is used, spring loaded channel nuts are required. Flat plate fitting used must be square and cover channel completely (round or undersized are not acceptable; keyed are preferable).

For all system blocks, the manufacturer must verify that all liftlines, etc. properly clear all attachment, assembly & keeper bolts, etc. associated with each block. If conflicts are found, then it is up to the manufacturer to relocate those bolts in order to allow the liftlines to pass through each block in a manner that does not allow wire ropelbolt engagements.

All rigging system equipment and all misc. hardware indicated on these drawings shall be mounted to the beams and overhead steel as is visually depicted. The intent is for all headblocks, loftblocks, beam clamps, suspension assemblies, etc. to be mounted to overhead beams/trusses. Attachment points are indicated through visual representations on these drawings and the building's structural beams are the intended recipients of these rigging system suspension hardware assemblies (unless alternate attachment methods have been designed and clearly indicated on the contract documents). The contractor shall not be allowed to field select other rigging attachment points, misc. spanning steel, alternate locations, etc. not depicted on the contract documents, and from which to suspend the rigging system equipment, unless prior written authorization has been specifically granted, verified by the project structural engineer and clearly communicated to all design team members and related construction trades.

All suspension hardware, liftlines, supports lines, etc. shall be installed plumb (understood to be perpendicular in the vertical plane relative to earth level) from their overhead attachment points to their batten (or other) terminations points, unless they are bridles or are otherwise specifically shown on the contract documents as being installed at angles.

All misc. hardware used on this project shall feature load rating markings (if applicable). All hardware shall be Grade 5 minimum (higher if specifically called out).

All wire rope shall be of a tested load rated variety, either domestic or imported. Load test information must be provided for all wire rope utilized in this system.

At any locations where nicopress oval sleeves have been provided and crimped but are in inaccessible locations where field inspections are not possible from the floor, platform or other area, the contractor shall provide written authentication and digital photos of these properly crimped swages (to the manufacturer's recommended tolerances in order to realize full load capacity) and shall provide copies of these verifications to the consultant, architect and owner.

All headblocks, which are mounted to single piece of steel, must be fillet welded in place upon completion of installation as per manufacturer's instructions. See additional notes for more complete information. Fillet welds must be on both sides of every headblock - coordinate welding during installation. Welds shall be as specified by the manufacturer.

All multiline loftblocks, which are mounted to a single piece of steel, must be fillet welded in place upon completion of installation as per manufacturer's instructions. See additional notes for more complete information. Fillet welds must be on both sides of every multiline loftblock - coordinate welding during installation. Welds shall be as specified by the manufacturer.

LOADING INFORMATION:

All loading information shown below is approx. All lbs/LF loading is understood to be evenly distributed along the entire length of the related batten. All loading noted below indicates the design intent loading.

All Thern drill drive clew winch rigging system units shall be as manufactured by Thern Stage Equipment or equal. Electric system units shall be rated for 2,500 lbs per set (maximum payload capacity - beyond and not including the unit's self-weight) per manufacturer load rating. All new headblocks and loftblocks shall be sized at a working load limit for maximum potential capacity of motorized sets, which is as noted above.

Stage pipes (other than as indicated otherwise - set pipe battens such as traveler/border curtains, scenery sets, etc.) shall be rated for an approx. 20 lbs/LF live load plus the self-weight of the related suspension, batten and hardware. Point loads not to exceed 100 lbs.

Stage electric pipes shall be rated for an approx. 30 lbs/LF live load plus the self-weight of the related suspension, batten and hardware. Point loads not to exceed 100 lbs.

FOH cove pipe position shall be rated for approx. 40 lbs/LF live load plus the self-weight of the related suspension, batten and hardware or point loads not to exceed 100 lbs.

Tormentor pipe assemblies shall be rated for 150 lbs. live load plus the self-weight of the related suspension, torm pipe, wall flanges and hardware. Point loads not to exceed 85 lbs.

RIGGING SYSTEM EQUIPMENT:

1 Provide the appropriate and structural engineer approved devices, installation procedures, hardware, etc. for all anchorages and all structural slab/wall attachments. This includes, but is not limited to, anchor types, anchor sizes, embedment depths, drilling techniques, epoxy and screen usage, manufacturer of anchorage hardware, misc. support steel, wall flanges, misc. Unistrut assemblies, etc. Any anchorage installed by the contractor must be first approved by the project structural engineer/EOR in writing. Failure to do so will result in the contractor redoing all suspect anchorages or providing additional anchorages all at no additional cost to the owner.

2 Upper Clew Winch Stops: Provide an upper clew winch stop assembly for each location and attached directly to the overhead structure. Upper arbor stops shall be Unistrut & custom beam clamp assemblies constructed of minimum 7 gauge steel drop legs and with a continuous 2" x 2" hardwood bumper and grade 5 hardware throughout. Everything shall be painted flat black (steel) or stained black (hardwood bumper). Attach hardwood bumper system with carriage bolts.

3 Provide Thern Stage Equipment CW Series CW25-2M drill/hand operated clew winches with all necessary hardware in order to mount to the wall as indicated on the drawings. Winches shall feature a double grooved drum and shall be utilitzed as indicated with clews. Winches shall be rated for 2,500 lbs. and shall be attached to the sets indicated. Mount Thern CW series winches to the stage left wall as per S series drawing details. Winches shall be bolted to new winch steel as shown on details sheet.

Each manual clew winch has a minimum number of cable wraps that must stay on the drum and never be unwound. These cable wraps of wire rope on each winch must be marked (with OSHA Safety Red) to serve as a visual warning that the user should stop paying out cable after this red wire rope becomes fully visible. The contractor shall set the travel limits of each winch so that, when all red cable is showing, the battens are at their recommended in trim heights and so that the user does not run any associated battens into the stage floor. Wire rope must be painted red and allowed to fully dry prior to being wound onto the cable drums. The contractor shall clean the wire rope of all oil, debris, etc. and fully coat all sides in multiple coats of paint. Use primer as needed in order to get good adherence of paint.

Provide each clew winch with a custom fabricated & finished drip pan/deflector tray per drawing details. Provide all required attachment hardware, etc. to mount as indicated. Pan must be custom sized to maintain all required access & clearances for operation of clew winch either via hand crank or Dewalt drill. VIF: Coordinate with the manufacturer.

4 Provide (1) Dewalt heavy duty model ED330-DW11 large right angle drill with the optional 1 1/4" drive accessories package with (2) hex keys to fit the Thern drill op winch sprockets. Drill shall feature a 1/2" chuck with 1 1/8" socket adapter. Provide with a 15' long, 12 AWG, heavy-duty black extension cord. Provide with the Dewalt hard shell case (or equal Pelican style) sized to fit this drill and accessories. Drill shall be capable of operating sets and with low speed setting (0-330 RPM). Drill shall be draw 11 amps of power and weigh approx. 20 lbs. Store drill & accessories in new case as per owner's instructions. This Drill Package Must Be Purchased Via Thern & Is Based Upon The Dewalt DWD450 1/2-in VSR Stud and Joist Drill With Clutch Corded Drill Platform. Store Per Owner's Instructions. Provide Full Owner Training On Safe Drill Usage With Thern Clew Winches.

5 CURTAIN DRAW MACHINE - TRACK MOUNTED MODEL: Provide an ADC Silver Service Model #2928/2928F/2829S track/over track mounted curtain draw machine, mounted at the end of the main traveler curtain track, with all required power, wiring, ADC Simplici-T drive box & pushbutton controls, interfaces, pulleys, diverters, misc. supplementary mounting Unistrut & hardware, track mounted limit switches, wall mounted pushbutton remote control station(s) and all necessary hardware needed for the main traveler curtain assembly as indicated. Entire machine and related mounting hardware shall be flat black. VIF for all requirements prior to rough in.

THEATRICAL RIGGING SYSTEM KEYED NOTES - CONTINUED:

6 *HEADBLOCKS:*

Provide Thern HB series 12" diameter nylatron GSM underhung single purchase multiline headblocks with center handline groove and common sheave. Provide multiline headblocks for all sets with the correct number of cable grooves per the plan view drawings and loft steel count. All headblocks shall be stacked roller bearing type. All headblocks shall be load rated for 3,000 lbs. Weld all headblocks mounted to a single piece of steel in place after final alignments, unless not required by PE or manufacturer with documentation.

Provide all headblocks with a Thern clip angle mounting system to overhead steel as required per maximum potential imposed loads. Required attachment is with clip angles (toe clips not allowed). Obtain manufacturer and engineer approval for mounting device thickness, attachment method, ratings, load capacity, etc. and provide as required.

7 *LOFTBLOCKS:*

First loft beam position: Provide Thern Stage Equipment HBST series universal style mount 8" nylatron GSM multiline head/loftblocks (unless otherwise noted) with common sheave and no center groove. Sheaves shall be manufactured for use with 1/4" wire rope. Provide multiline head/loftblocks for all sets with the correct number of cable grooves per the plan view drawings and loft steel count. All multiline head/loftblocks to have tapered roller bearings. All loft position multiline head/loftblocks shall be load rated for 3,000 lbs. Weld in place after final alignments, unless not required by PE or manufacturer with documentation.

All remaining loft beam positions (except as noted below): Provide Thern Stage Equipment LB8-F series 8" nylatron GSM throat cut loftblocks with single sheave plus idlers (unless otherwise noted). Sheaves shall be manufactured for use with 1/4" wire rope. All loftblocks to have sealed precision ball bearings. All loftblocks shall be load rated for 875 lbs.

Idlers: Provide Thern Stage Equipment nylatron GSM LB2 series idlers for all loftblock positions (except single line locations). All idlers to have ball bearings. Provide multiline 3.5" loft block idlers with nylatron sheaves for each loftblock position except the last position of each set, which need no idlers. Provide in descending quantities as liftlines drop to pipe batten loads. Idlers have no published load capacity.

Trapeze Locations (If Applicable): Provide universal style blocks, bolted/welded to supplementary overhead Unistrut, misc. metal or as required by stamping engineer. VIF for any required locations.

8 Provide custom fabricated sag/slap bars (or other required roller style) assemblies with UHMW wear plates on top/bottom of 2" x 2" hardwood between contractor provided Unistrut supports, bracketing and supplementary steel for all grid locations/positions as needed in order to keep lift lines from sets from slapping against or abrading any ETR steel, drains, piping, conduits, etc. See drawing details for more info on sag/slap bar intents. Provide these assemblies wherever and in whatever configuration is needed to properly manage cabling. VIF.

9 Provide SSRC CCP Series style cable clamp(s) & Kellums grip style cable supports on battens for cable pickup of all electric & control cable, DMX wiring, projection screen control cabling and misc cable drops cables for installation. VIF and coordinate locations, requirements & installation with related trades and devices as required. Cable clamps shall be installed to the lower pipe batten and Kellums grips to upper batten. Provide (1) SSRC style cable clamp for every 4' of SO cable as measured from the device terminations end of the wiring to the end of the related pipe batten. Do not over-tighten cable clamp(s) to the point of damaging or denting the SO cable. Install as per manufacturer's instructions. Provide SSRC cable clamp style to match quantity and size of SO cables (CCP1, CCP2, CCP3, Flat, Mini, Etc. - see details for more clamp info.) No SO cables shall be allowed to rub against clamp bolts or bolt ends. Provide McMaster Carr or equal black, round vinyl end caps on all exposed bolt ends.

10 Provide miscellaneous metal, plate steel adapters and/or Unistrut support members complete with Unistrut channel assemblies, wall flanges, welded verticals & bracing, misc. beam clamps, load rated anchorages and all necessary and miscellaneous hardware as indicated and/or needed in order to provide appropriate pickup points for all rigging equipment where beams do not exist and/or to mount devices where indicated. Mount at elevation(s) as indicated on TR series drawings. Entire Unistrut assemblies and all suspension hardware are to be painted by the contractor only as indicated or as directed by architect/owner and to match adjacent or mounted to surfaces. Miscellaneous metal and Unistrut assemblies must be rigidly attached to existing overhead structural steel and be rated for a 10:1 safety factor for the loads imposed. This includes for trapezing assemblies that must span out, around and underneath other existing or new obstructions.

11 *WIRE ROPE LIFT/SUPPORT LINES & SAFETY CABLES:*

Provide 1/4" 7x19 galvanized lift lines. All closures shall be copper nicopress. Thimbles shall be used at all terminations. All nicopress oval sleeves shall be crimped with the proper dies properly inserted into an appropriate and properly calibrated swaging tool and shall be crimped to the manufacturer's recommended tolerances in order to realize full load capacity.

Provide all safety cable assemblies with 1/4" 7x19 black lift lines (minimum) and to load rated attachment points. All hardware in the load path shall maintain the indicated safety margins/safety factor. All closures shall be copper nicopress. Thimbles shall be used at all terminations. All nicopress oval sleeves shall be crimped with the proper dies properly inserted into an appropriate and properly calibrated swaging tool and shall be crimped to the manufacturer's recommended tolerances in order to realize full load capacity. Where possible, wrap safety cables over the top of existing structure. Pad edges of I-beams, trusses, angles, etc. where safety cables pass over edges in order to maintain cable integrity.

12 *BATTENS:*

Provide 1.5" (1.9" OD) Schedule 40 black iron pipe battens (painted flat black) with industry standard 18" batten splices & grade 5 minimum hardware (no threaded ends or couplers allowed). Batten splices shall be precisely drilled so that any batten on any set could be interchanged with that of any other set. Adjust battens on trim chains to hang true, level and plumb to upstage-downstage orientation and the stage floor. Provide safety yellow vinyl plastic ends caps on both ends of all battens (except FOH shall have black caps). Electric and projection screen sets shall be pipe-over-pipe style with brackets every 5' plus one on each end. See TR detail drawings for more information.

All battens must be installed perfectly level with each other in both the upstage-downstage and side-to-side orientations +/- 1/4".

Provide trim chains for all battens except stage electrics or as noted otherwise. Stage electric battens shall be suspended from turnbuckle assemblies as indicated (with safety cable bypasses @ each lift line location).

Provide batten labels (lable, heat shrink, etc.) and batten markings for all battens. See detail drawings for all label types, instances, locations, etc. that are required.

13 Provide custom ETC centering & SSRC stiffener strap style brackets in types and quantities as indicated on drawings and/or as required for system installation. Provide customized brackets as required. Provide stiffener brackets for all locations where connector strips are not present and at projection screen suspension assembly locations as indicated (do not provide "empty" connector strip brackets in locations where connector strips do not occur). All pipe-over-pipe stage electrics or projection screen sets shall be mounted directly from lift lines via Nicopress closure & thimble to load rated turnbuckle to full brackets (effectively transferring bottom pipe/pipe-over-pipe stage electric/projection screen ladder system loads directly to lift lines). Provide manufacturer brackets for all term box locations where required. Where standard manufacturer brackets will not work, provide custom SSRC brackets to match required brackets with additional holes, etc. as needed. No contractor manufactured, non load-rated brackets shall be allowed. All brackets must feature and utilize a top lifting hole for all liftline attachments. Systems where a batten clamp for overhead liftline connection is placed beside the connector strip bracket shall not be allowed.

14 Provide H&H Specialties model #680 full batten clamp assembly for all indicated batten suspension locations with Grade 5 hex head bolts, lock washers and a load rated shackle. Tighten batten clamp tight enough to prevent it from "walking" along pipe batten or sliding under load.

15 Provide Peerless Industrial Group black, 7mm, Grade 63 hardened alloy trim chains with nicopress closures on lift lines (nicopress through one end of chain & shackle). Provide trim chain wraps, after final adjustments, with hex head Grade 5 safety bolt, flat washers & hex head nyloc nut. See details for more info and exact intended design. Contractor painted chain shall not be allowed.

16 *CURTAIN TRACKS:*

Traveler Curtains: Provide ADC Silent Steel 380 series curtain tracks on all traveler sets. Provide all bi-parting curtain tracks with a 24" bypass at center stage with dual track hangers at that location. Provide all required carriers, live end and dead end pulleys, operating lines, and hardware.

Standard Leg & Side Tracked Masking Leg Curtains: Provide ADC Silent Steel 380 series curtain tracks. These will be straight run curtain tracks with walk-along style curtains. Provide Knuffi style padding along entire length of upper portions of tracks if stage systems SO or audio/video, etc. cabling swags down over tracks. Keep curtain jack chains very short on these tracks (less than 6"). Provide ADC wall angle brackets at each end of these tracks.

General Track Info: Provide all curtain tracks as black powder coated steel tracks along with all black parts. Provide all support strut channel, pipe backbones and all misc. mounting hardware, brackets, carriers, pulleys, jack chains, bolts/nuts/washers, etc. in a flat black finish. No portions of the curtain tracks shall be allowed to feature shiny or metal colored/gray finishes.

Provide flat black, removable floor tension pulleys for the curtain track operating lines. Install keyed plates in the floor as required (routed into flooring with top of plate flush with finished floor). Verify with the owner their preference on exact locations of the tension floor pulleys (on which side of the stage they should be located) and located these devices there - even if these locations differ from those shown on these drawings. Get final locations approval in writing. Non keyed plates shall not be allowed.

17 *CURTAINS:*

Provide curtains, straps and accessories as indicated on drawings, in specs and on schedules. All curtain colors are to be selected by the owner in writing prior to ordering or fabricating.

Provide curtain tie back fabric straps to match provided curtains as indicated. See details sheets for more info. Provide in an Arriba style soft sided zip closure bag large enough to accommodate all straps. Turn over to the owner for their use with the side masking leg or other stage curtains. Instruct the owner on proper usage and on the dangers to the fabric of using other tie lines, cordage, etc. to tie curtains back or to bundle together. Bag to be similar to the Arriba AC-120 bag - sized to comfortably hold all straps.

18 Provide all required signage as indicated. Signage shall include custom signage that states the maximum load of all sets/categories, standard safety & operational signage, user warnings signage, etc. All signage shall be mounted to the walls as indicated and at easily readable heights AFF and in areas designated on the detail drawings (do not mount signage where it will be obscured or hidden behind permanent obstructions - curtains, doors, racks, J-guide system, etc.). Custom signage must be provided for all major areas such as counterweight rigging, motorized rigging, stationary rigging, inspections, etc. (see drawing details for exact types/styles and quantities to provide), shall include verbiage as indicated and shall require the contractor to coordinate with the project structural engineer for verification of loading info, etc. Standard safety signage shall be similar to that provided by most rigging equipment manufacturers (hand winch operation, manual counterweight system operation, motorized winch operation, dead hung rigging systems, etc.). Submit all intended signage sizes, text, loading, sign attachment methods, etc. to consultant for approval prior to fabrication. Signage to be permanently attached to the wall on all four corners with screws, bolts or other similar means (Tapcon or similar). Neither adhesive backed tape nor pressure sensitive backings are acceptable as the sole means of mounting the signage. Foam core signage is not acceptable. All signage must be proofed, spell checked and grammatically correct prior to fabrication. Failure to do this will require new signage at the contractor's expense.

19 Provide Anvil International 3/8" standard duty, carbon steel beam clamp Fig. 133 series style beam clamps with grade 8 bolts and sleeve(s) for the overhead suspension of all dead hung stage rigging sets. Ensure that all beam clamps are installed properly, sit straight, even and level on each beam, have both hex bolt/lock nuts installed so that the beam clamps cannot "open up" or sag in the middle at the loading point. Beam clamps shall be rated for a WLL of 1,000 lbs. each. Beam clamps must captivate both sides of each beam flange. Verify flange dimensions and clearances prior to ordering any hardware.

20 Provide SSRC light ladder style welded box tormentor ladder style pipe assemblies with rigid supports for the tormentor lighting positions. See details sheets for more information on pipe assembly construction, suspension and related details. Coordinate installation of tormentor pipe assemblies with provision of supplemental blocking behind or inside walls to support torms and mounting hardware if and as required.

Provide SSRC style 8" x 8" black wall flanges on welded steel plates and internal pipe mount insert for 1 1/2" schedule 40 black iron pipe for lateral wall support and/or main structural supports for all tormentor and Shakespeare pipe assemblies. SSRC or equal. Mount to masonry with load rated epoxy masonry anchors or as indicated.

21 Provide a FOH (front of house) cove lighting position and all related support structure assembly and rig in place as indicated on the drawings. Coordinate with related trades and for installation of connector strips, power, data wiring, custom saddle brackets, etc. Coordinate with related trades for HVAC locations and required clearances. See TR section and detail drawings for more information on individual components and overall intent of cove rigid support assembly and its relative location in this space. All hardware, clamps and strut channel to be Unistrut or equal. Paint Unistrut and all hardware flat black before installation (touch up after installation). Coordinate installation with related trades and the installation of the ceiling(s).

22 Provide SSRC custom fabricated U-shaped style saddle brackets to fit existing wooden roof rafters for the suspension of the main FOH batten Unistrut channel support system. Provide all related bolts for through-bolting, nuts, washers, etc. as indicated on the detail drawings. Manufactured products are required. No contractor fabricated brackets shall be allowed. Brackets must be load rated for the intended devices. See details for more info.

THEATRICAL RIGGING SYSTEM KEYED NOTES - CONTINUED:

23 CORNER PROTECTIONS: Provide Knuffi Corner Wall Protection type H+ style or equal integrated corner protection padding system along the entire onstage upper edge of the stage right side masking leg set curtain track. Provide enough corner protection to cover the entire upstage-downstage length of each track where SO/data cabling shall potentially layl/land on top of the track.

Provide Knuffi Edge Protection Type B/BB/G style or equal padding system at all locations for the Thern drill drive winch and related mounting steel locations. This includes any main steel, supplementary steel, bracing, misc. joists, angle iron, brackets, tube, channel, etc. Attach per manufacturer's instructions (provide additional adhesive as required for long-term performance) for a complete, end-to-end pad without gaps in all required locations. All padding shall feature a black/safety yellow striping pattern (or as required by the owner).

24 Provide Werner fiberglass stockr's platform step ladders as indicated and for the owner's use for accessing both the stage and front of house sets. Mark all ladders with block lettering for the owner's use in two locations (identifying marks/nomenclature TBD by owner). Store all ladders per the owner's instructions (preferably near the stage). Provide wall hooks for ladder storage and install in locations as determined by owner.

25 Provide existing stage and house floor protections as required per work location. Provide heavy-duty kraft paper overlay of the entire existing stage floor (after floor has been swept/mopped clean of ALL dirt, dust and debris). On top of kraft paper overlay, provide a full stage floor covering of 1/2" - 3/4" plywood (depending on overall load of machinery, etc.). Ind edge-to-edge seams with duct tape. On top of the entire multiline head/loftblock shall be load rated for 3,000 lbs. Weld in place after final alignments, unless not required by PE or manufacturer with documentation. floor (DO NOT fasten to floor below). This floor protection shall be put into place BEFORE any work is commenced on the stage and shall remain in place until ALL stage rigging replacement work has been completed. Any damage done to the existing stage flooring shall be patched and painted to match existing to the satisfaction of the owner.

REQUIRED COORDINATION:

26 Coordinate the installation of the stage & house rigging and other related system components with related trades. This will require careful coordination so that all new equipment can be installed without conflict. Meet with all related trades prior to the commencement of construction in order to establish rigging system installation locations, parameters for misc. item placement, liftline locations, etc.

27 Install connector strips in locations where they are indicated on drawings. Connector strips shall be centered on the stage battens & in the proscenium opening. Provide all necessary hardware as required for installation. Where connectors strips occur on catwalks, drill or punch supports where required, after obtaining written approval from the structural engineer, in order to install strips with brackets as indicated.

28 Install outlet boxes in locations where they are indicated on drawings. Outlet boxes are typically located near the end of the related pipe battens and portable cabling waterfalled out and/or daisy-chained from the box location to the fixtures along the pipe batten. Provide all necessary hardware as required for installation.

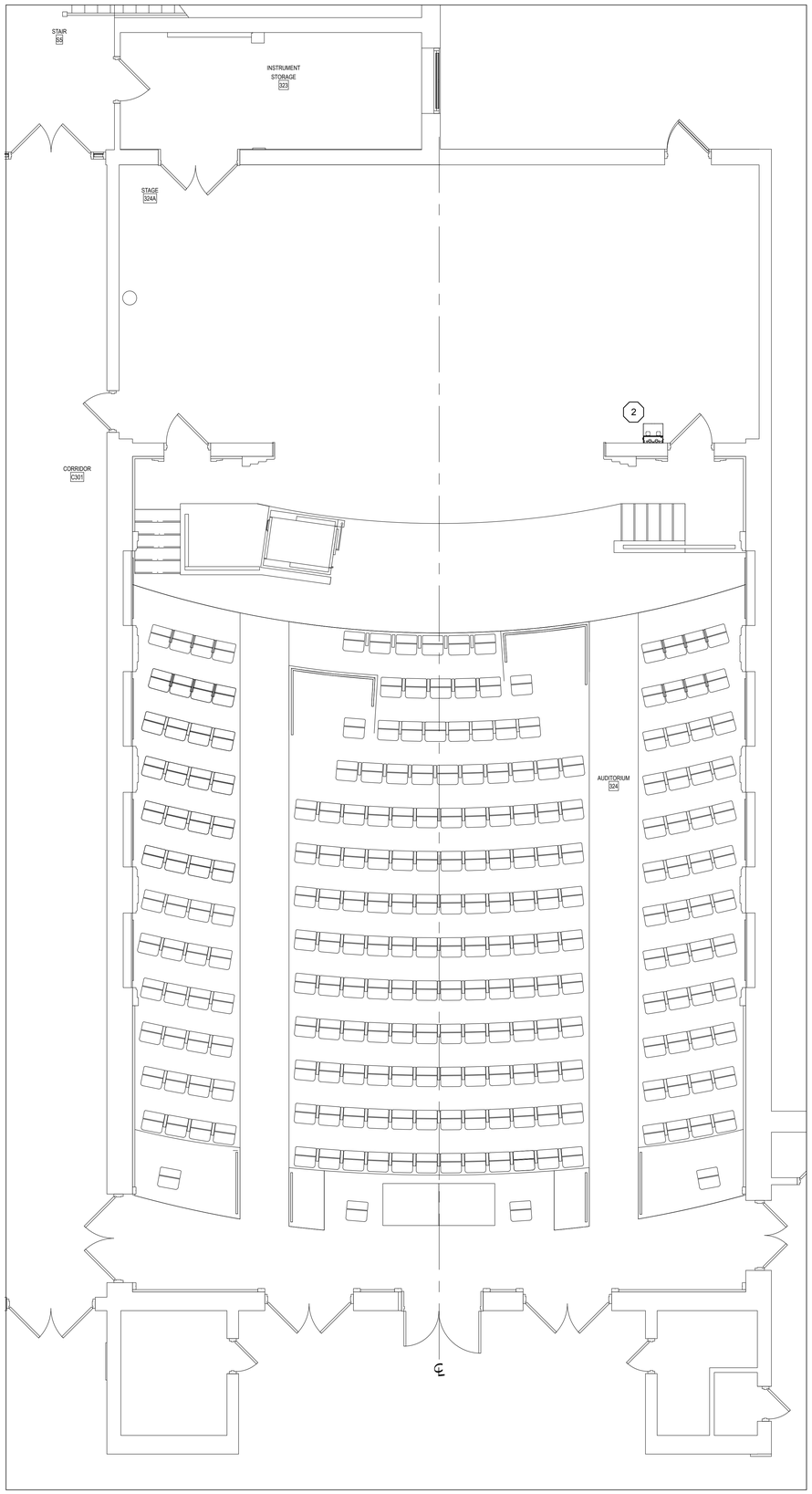
29 Install the projection screen to the indicated set. Provide SSRC inline tensioner brackets and any additional hardware necessary in order to mount the screen and frame to the set and batten indicated. Projection screen sets and most mounting hardware will be furnished as indicated on the TS series drawings. Projection screen shall be centered on the stage batten & in the proscenium opening. The intent is for the projection screen to be mounted on the pipe batten so that the image area of the screen itself is centered within the proscenium opening. Coordinate with related trades as needed. Suspend this screen from a quantity of points as indicated on the projection screen installation detail (or four points as a minimum). Refer to the TR series detail drawings for more information and provide all additional necessary hardware for the indicated suspension. Mount projection screen as depicted in details, including pipe-over-pipe suspension.

30 The rigging installer shall be responsible for the dressing of all cables as they relate to the stage rigging system and its related components. Coordinate the final dress of all cables with all related trades and the architect and host of the furnished and installed cable(s) to ensure that each cable dresses neatly and properly. All sets with swagged cable shall be dressed so that no part of any set or related items and hardware can catch, snag or otherwise become caught on or interfere with any other rigging set, adjacent devices, walls, misc. conduits, HVAC ducting or supports or any other items. Cables must swag from grid iron or other related junction boxes down to batten cable in such a manner to that which has been graphically depicted on the detail drawings. The intent is for the cable (when set is at its lowest stage location or in trim height) to begin to rise from the end of the batten up towards the related junction box without going below the batten (the batten should be the lowest elevation that the SO cable ever reaches). All swagged cabling must be strain relieved as indicated on the detail drawings at both the batten end and at the grid iron junction box. Cable dress requirements include, but is not limited to, all moving electric SO power cabling (low and high voltage), flexible DMX or Network wiring, hanging microphone cables, control wiring, speaker wiring, projection screen power and low-voltage control cabling, AFC system cabling, etc. No SO cables shall be allowed to drag/droop on the floor. Cable lengths and swag is critical and shall be coordinated with all related parties/contractors at regular job meetings to ensure an acceptable installation. No swagged cables shall be allowed to be visible within the proscenium opening. All swagged cables shall dress to the end of their related batten and off stage.

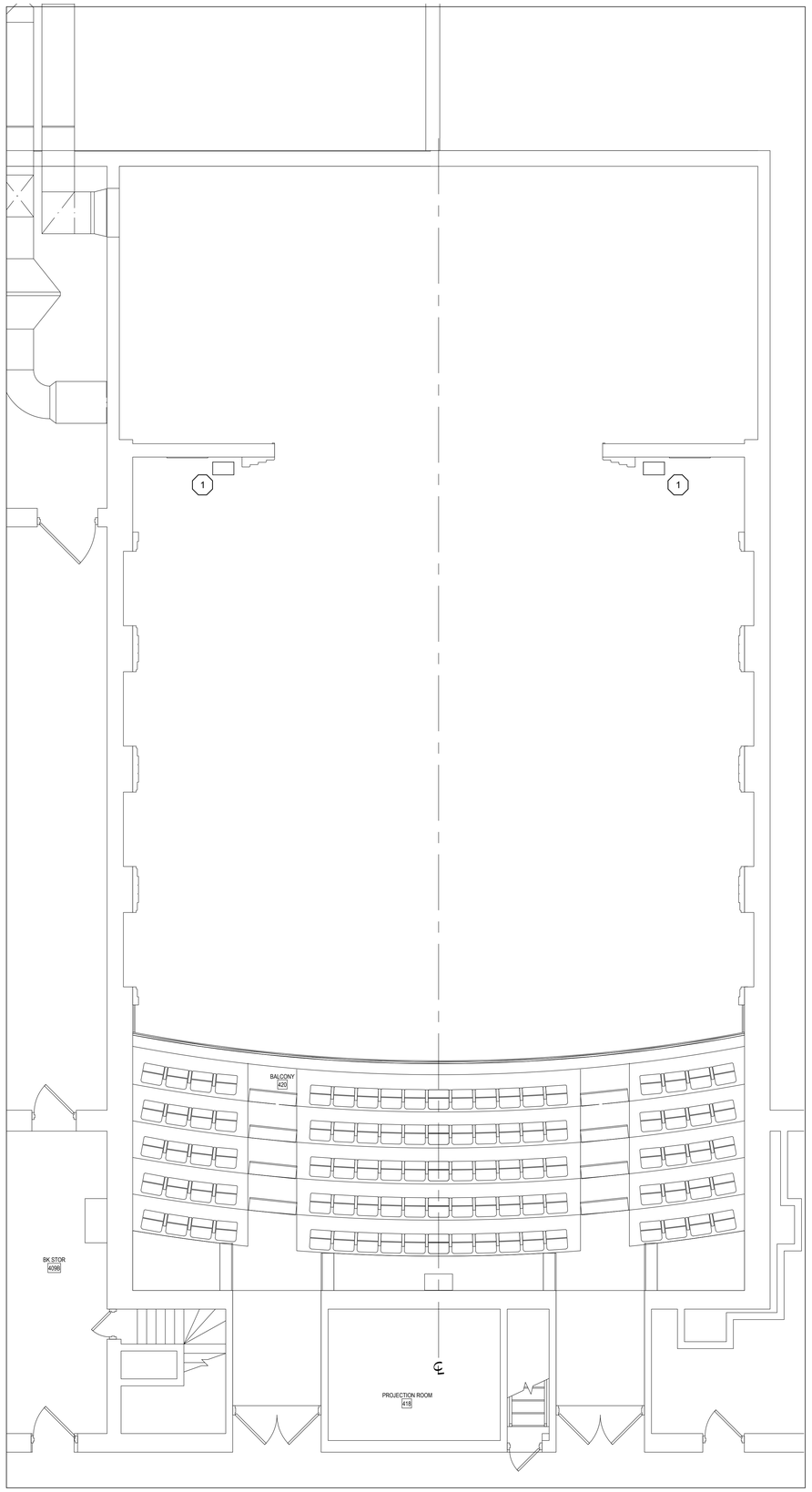
31 *WELDING:*

Weld all headblocks & multiline loftblocks into place that are mounted to a single beam upon completion of installation (or as per manufacturer's/stamping engineer's recommendations/requirements). Provide and recommend or require welding and this must be accompanied by written, stamped engineering on their company letterhead). Prior to welding in place, verify that all headblocks have been mounted correctly (plumb and in line with related sets), that no liftlowering lines run against or abrade any adjacent items or surfaces in any way and that the surface of the beam has been properly prepared in order to accept a weld. Manufacturer shall specify welds appropriate for the headblocks and the headblock beam in order to lock headblocks permanently into place. The welding of headblocks to building steel is critical and the parameters of the welds, weld counts, weld lengths, weld locations, etc. are not arbitrary. See drawing details and manufacturer's specific recommendations for more information as it regards headblock welding. Tack welds or welds under 3" in length are not sufficient and shall not be allowed.

All welding (shop or field) necessary on this project shall be performed by certified welders and in accordance with current American Welding Society specifications and all applicable published welding codes. All welding shall meet the qualifications of the AISC manual and shall be without spatter or other welding defects or welding practices. All mechanical fabrication and workmanship shall incorporate the best practices for good fit and finish. There shall not be any burrs, sharp corners or sharp edges to cause a hazard nor any accessible to users. Ensure that all items are in proper plumb and level positions prior to final welding. Field welding shall be done carefully and with welding blankets covering all flammable surfaces in the vicinity of the welding (i.e. - carpet, side walls



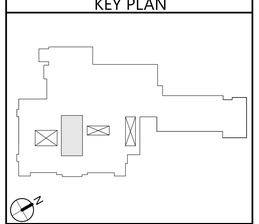
1 LOWER LEVEL REMOVAL PLAN
TS301 1/4" = 1'-0"



2 UPPER LEVEL REMOVAL PLAN
TS301 1/4" = 1'-0"

REFER TO DRAWING NFA TS601 FOR ALL AUDIO RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TS SERIES DRAWINGS.

KEY PLAN



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Project Title:
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK
JAMES R. BARRETT
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LICENSED PROFESSIONAL ENGINEER
EXPIRES 5/31/2029

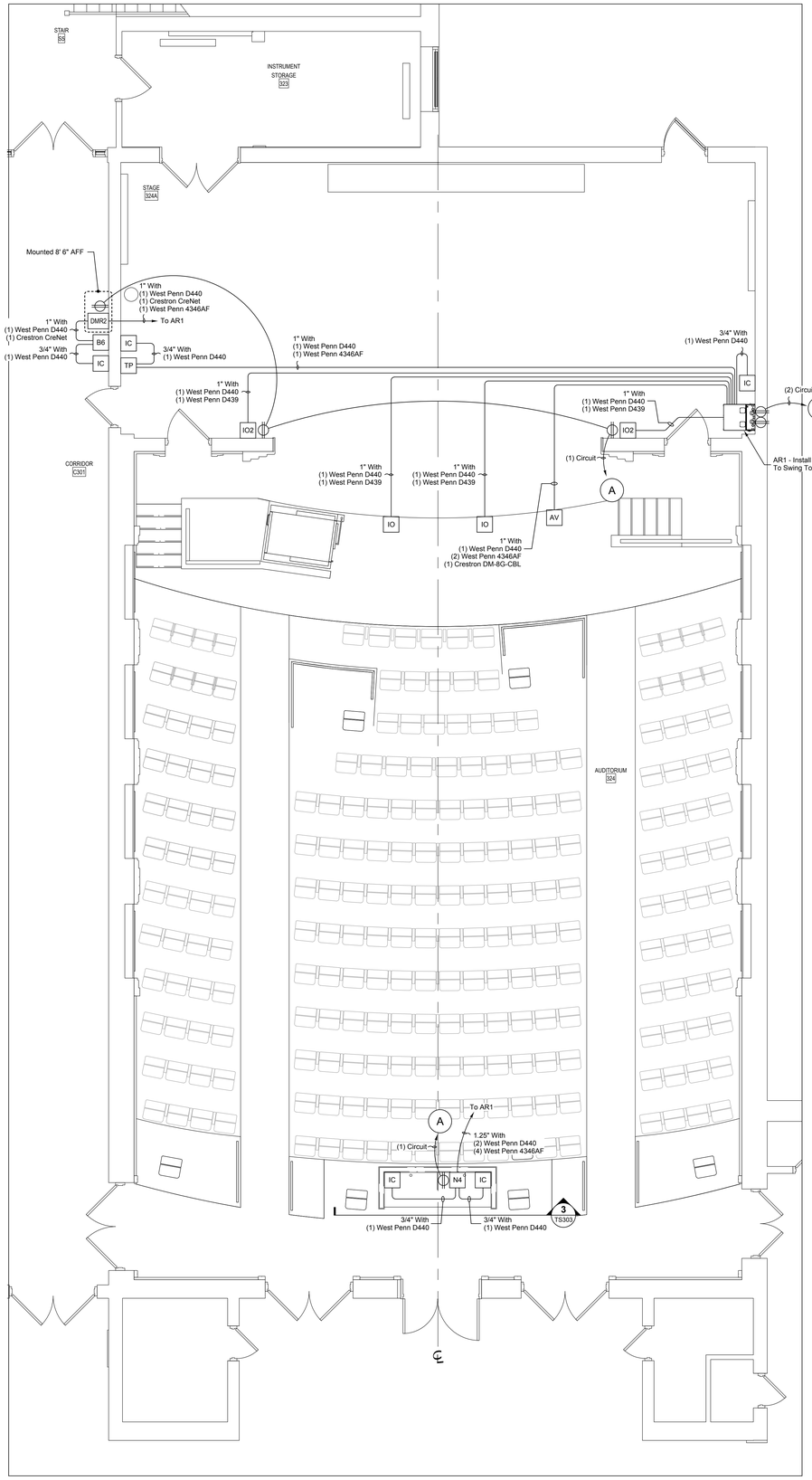
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CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2026

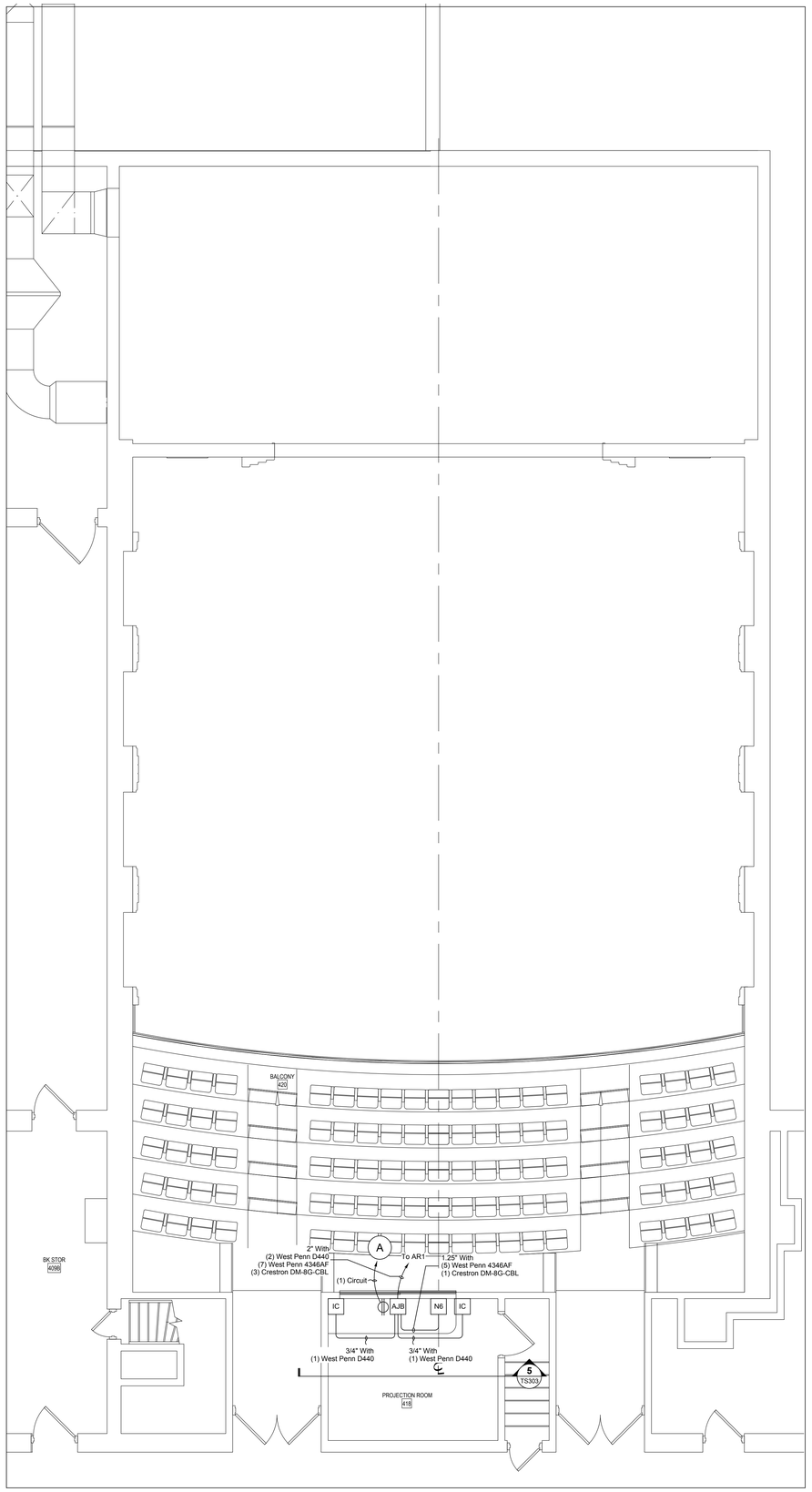
Sheet Title:
AUDITORIUM SOUND SYSTEM LOWER & UPPER LEVEL REMOVAL PLANS

Sheet No:
NFA TS101

CONSTRUCTION DOCUMENTS



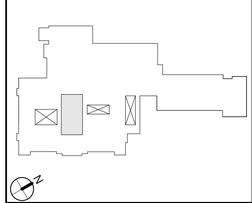
1 FIRST FLOOR LOWER LEVEL SOUND PLAN
TS301 1/4" = 1'-0"



2 SECOND FLOOR LOWER LEVEL SOUND PLAN
TS301 1/4" = 1'-0"

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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

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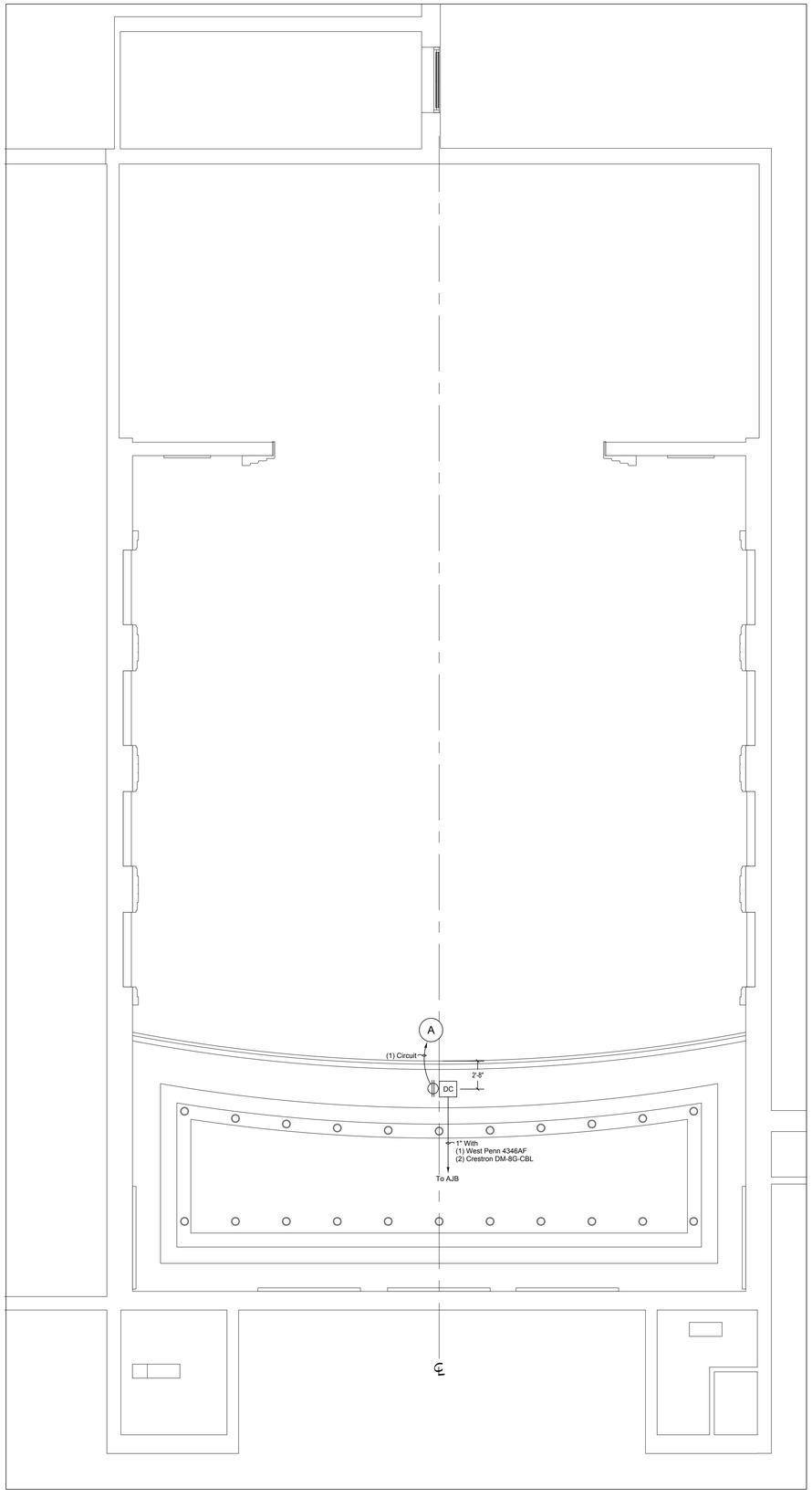
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Issued for Bid:	10/13/2025

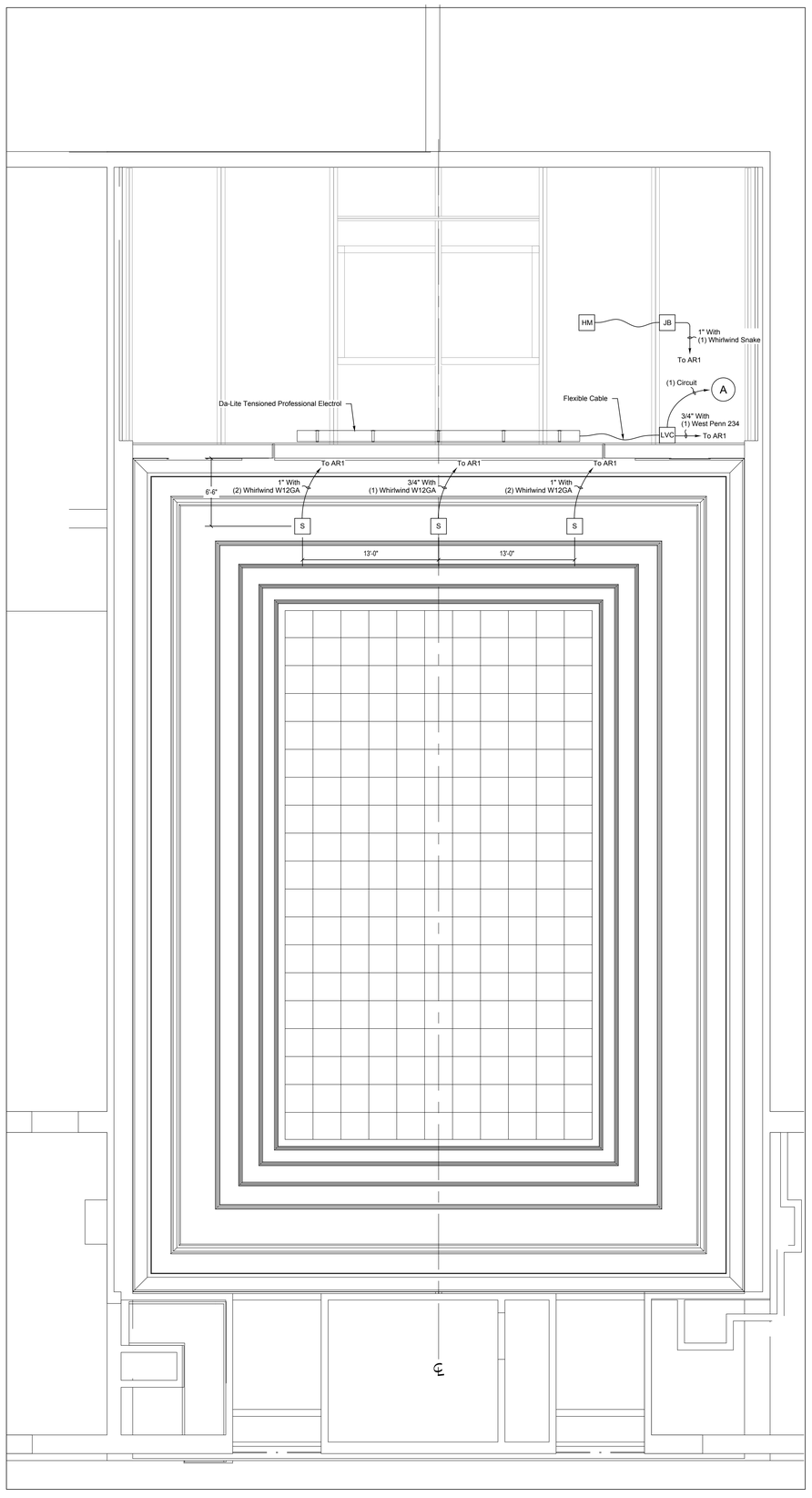
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AUDITORIUM SOUND SYSTEM LOWER AND UPPER LEVEL PLANS

Sheet No:
NFA TS301

CONSTRUCTION DOCUMENTS



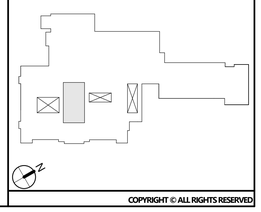
1 LOWER LEVEL RCP SOUND PLAN
TS302 1/4" = 1'-0"



2 UPPER LEVEL RCP SOUND PLAN
TS302 1/4" = 1'-0"

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KEY PLAN



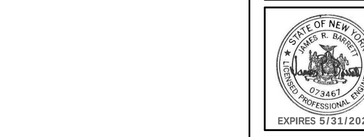
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Project Title
NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION



#	DATE	DESCRIPTION

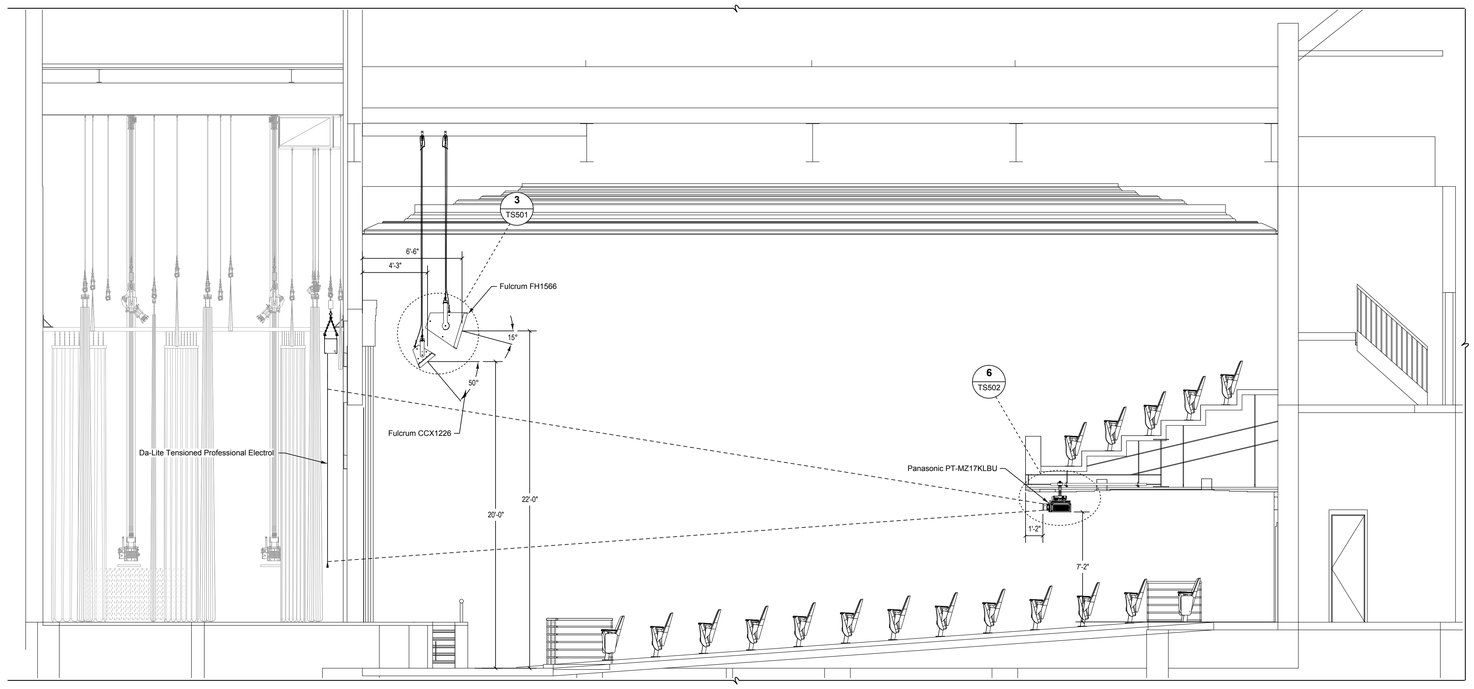
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Proj. #:	44-16-00-01-0-002-016
CS Arch Proj. #:	108-2504
Issued for Bid:	10/13/2025

Sheet Title
AUDITORIUM SOUND SYSTEM LOWER AND UPPER LEVEL RCP PLANS

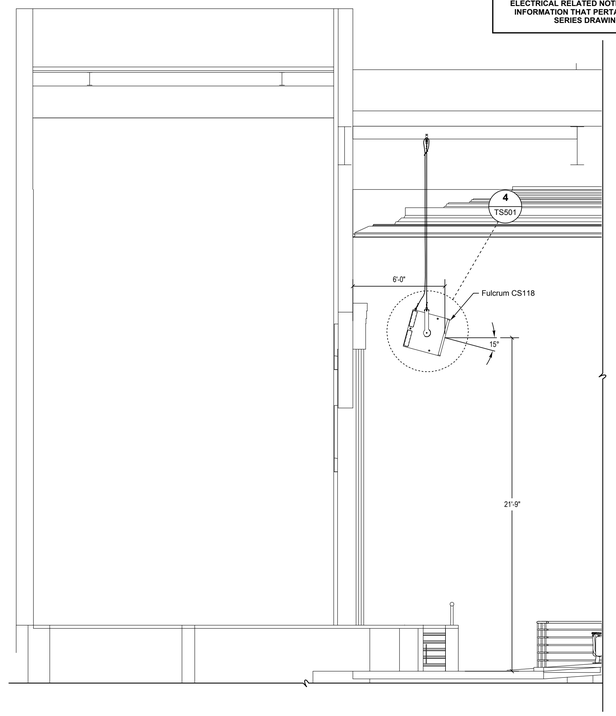
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NFA TS302

CONSTRUCTION DOCUMENTS

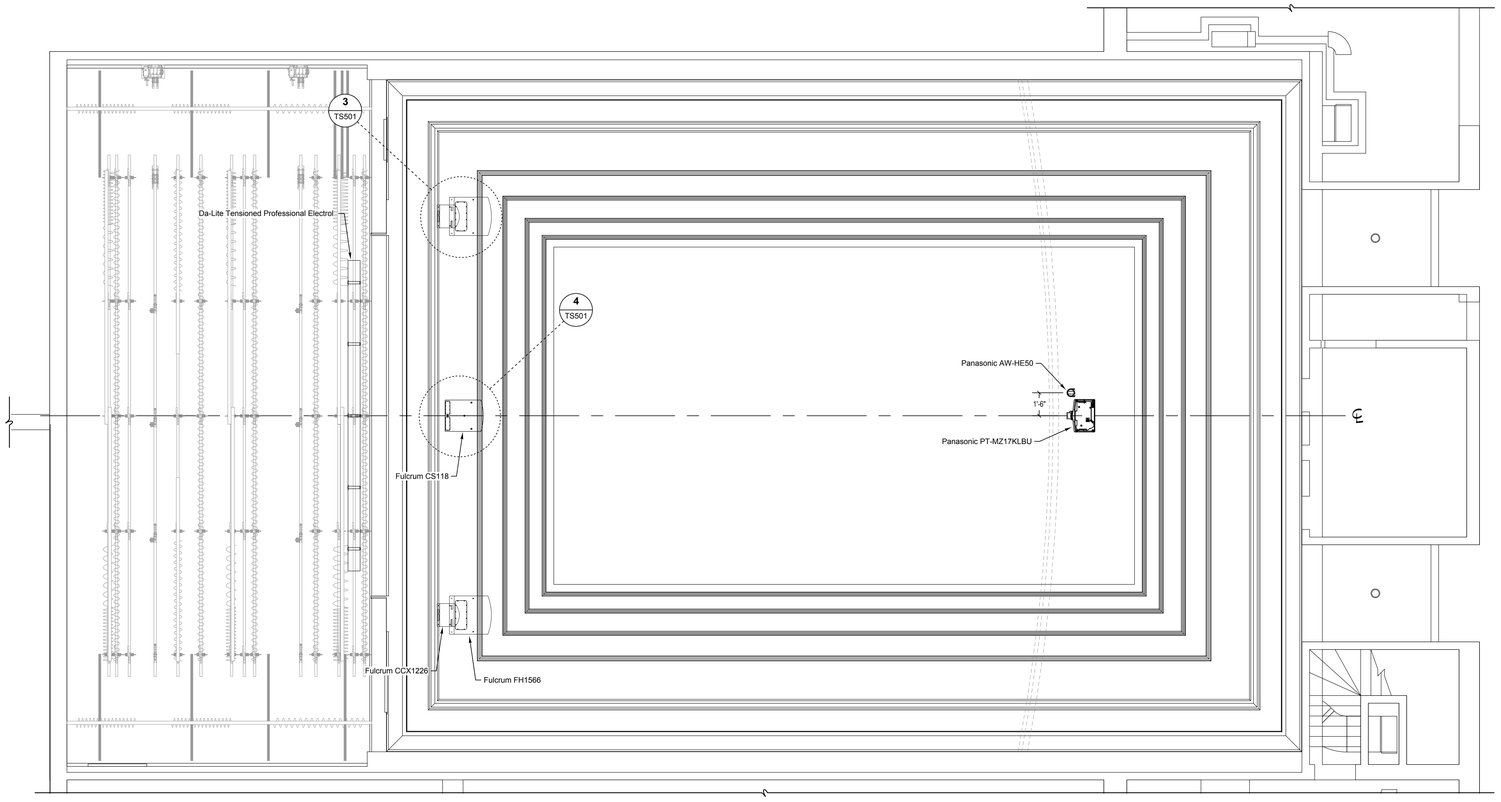
REFER TO DRAWING NFA TS601 FOR ALL AUDIO RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TS SERIES DRAWINGS.



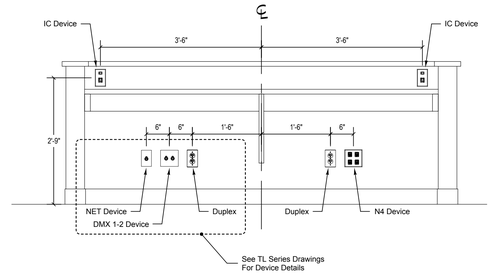
1 TS303 SPEAKER AIMING & AV DEVICE SECTION
1/4" = 1'-0"



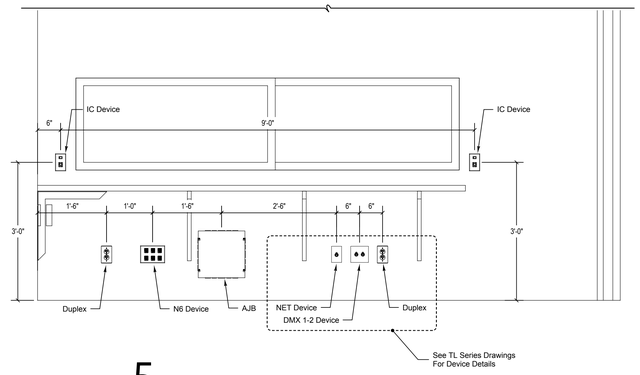
2 TS303 SPEAKER AIMING & AV DEVICE SECTION
1/4" = 1'-0"



4 TS303 SPEAKER AIMING & AV DEVICE PLAN
1/4" = 1'-0"



3 TS303 LOWER CONTROL BOOTH DEVICE ELEVATION
3/4" = 1'-0"



5 TS303 UPPER CONTROL BOOTH DEVICE ELEVATION
3/4" = 1'-0"

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Sheet Title
AUDITORIUM SOUND SYSTEM SPEAKER AIMING PLAN & SECTION - AREA A

Sheet No:
NFA TS303

CONSTRUCTION DOCUMENTS

DSP Configuration Chart

Input #	Description4	Output #	Description
1	Wireless 1	1	Main Left
2	Wireless 2	2	Main Right
3	Wireless 3	3	Main Left Downfill
4	Wireless 4	4	Main Right Downfill
5	AM 1	5	Subwoofer
6	AM 2	6	Hearing Assistance
7	AM 3	7	Monitor 1
8	AM 4	8	Monitor 2
9	MIP Left	9	Crestron Left
10	MIP Right	10	Crestron Right
11	Bluetooth Left	11	*Spare*
12	Bluetooth Right	12	*Spare*
13	AV Left (Dante)		
14	AV Right (Dante)		
15	Console Main Left (Dante)		
16	Console Main Right (Dante)		
17	Console Subwoofer Out (Dante)		
18	Console Monitor 1 (Dante)		
19	Console Monitor 2 (Dante)		

Sennheiser EW-D SKM
With MME-865 Head
Typical of 4.

(1) Sennheiser EW-D ASA
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM

Allen & Heath IP-8

Whirlwind ENC6ASE-25

RDL D-BT1A

Mounted To
Front Of Stage

AV

IO

IO

Mounted To
Back Of Proscenium Walls

IO2

IO2

HM

(2) Channels
(2) Channels
(4) Channels
(2) Channels
(4) Channels
(4) Channels
(4) Channels

4-Channel Snake

Stereo Audio From
Crestron DMPS3-4K-350-C
See TS402

CAT-6A

RDL TX-TPR2A

From Power Supply
From School Lockdown System

From Power Supply

Contact Closure From Existing Fire
Alarm System. Provide Interface As
Required.

D E

From Power Supply
From School Paging System

Bogen VAR1

To Network Switch
See HS TS402

CAT-6A

Allen & Heath AH-GPIO

Allen & Heath AHM32
Provide With AH-M-SQ-SDANTE64-A

To Network Switch
See TS402

CAT-6A

(16) Channels

Allen & Heath DT-168

Allen & Heath DT-168

(6) Channels

CAT-6A

CAT-6A

Luxul SW505-16P-R
(Primary Dante)

Luxul SW505-16P-R
(Secondary Dante)

CAT-6A

CAT-6A

Fulcrum FH1566

Ashly nXp1.54

To Network Switch
See TS402

CAT-6A

Fulcrum CS118

Fulcrum CCX1226

Ashly nXp8002

To Network Switch
See TS402

CAT-6A

Existing Listen Technologies LT-800

To Crestron Switcher
See TS402

Listen Technologies LA-380
Drop-In Charger Case.

Listen Technologies LA-430
Provide 3

Listen Technologies LR-4200-216 Receiver.
Provide Each with LA-405 Dual-Earbuds

Contractor To Provide (13) LR-4200 Receivers and
(1) LA-380 Style Drop-In Charger Cases.
Provide Cases With Standard Accessories. Case Shall Be Used
To Store LR-4200 Receiver Units & Accessories When Not In Use.
Store Case & Receivers As Directed By Owner.

RDL ADA4D

IO

IO

IO2

IO2

Sennheiser EW-D SK
With AV-JEFE AVL630
Typical of 8.

(2) Sennheiser EW-D ASA
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM

Sennheiser EW-D SK
With AV-JEFE AVL630
Typical of 8.

(2) Sennheiser EW-D ASA
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM
(2) Sennheiser EW-D EM

Located In Upper Control Booth

N6

Located In Lower Control Booth

N4

To Network Switch
See TS402

Whirlwind ENC6ASE-10

Whirlwind ENC6ASE-RJ45-10

Apple iPad (128 GB
With WiFi) - Color Of
iPad TBD By Owner.

Allen & Heath SQ-7+
Provide With AH-M-SQ-SDANTE64-A

PORTABLE EQUIPMENT SCHEDULE
PROVIDE THE FOLLOWING:

Item	Description	Qty
Shure SM58	Head-Worn Mic	4
CAD m179	Variable Pattern Mic	4
Sennheiser ME36 With MZH3015	Hanging Mic	4
Electrovoice PXM-12MP	Powered Floor Monitor	4
HOSA PWX-425	25' Black Extension Cord	4
ClearCom RS-701	Intercom Beltpack	4
ClearCom CC-300	Intercom Headset	4
Pro Co M5	5' Mic Cables	6
Pro Co M10	10' Mic Cables	12
Pro Co M25	25' Mic Cables	24
Pro Co M50	25' Mic Cables	4
Pro Co CB-1	Direct Box	2

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NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

Project Title

Luxul SW505-16P-R
(Secondary Dante)

STATE OF NEW YORK
JAMES R. BARRETT
073467
LICENSED PROFESSIONAL ENGINEER
EXPIRES 5/31/2029

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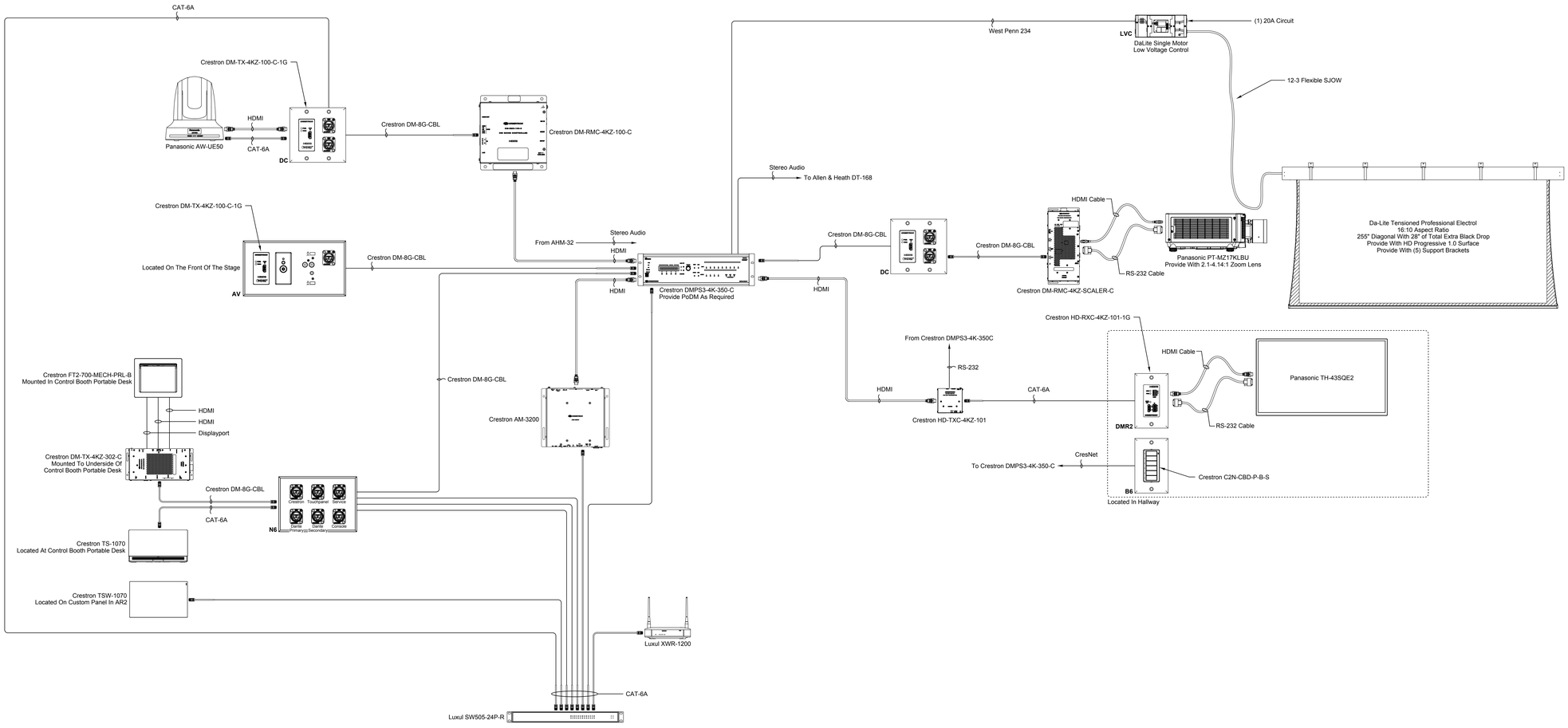
Sheet Title

AUDITORIUM
SOUND SYSTEM
SINGLE LINE
DIAGRAM

Sheet No:

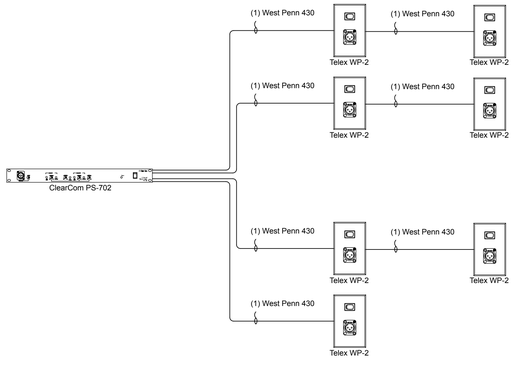
NFA
TS401

CONSTRUCTION DOCUMENTS



1 AV SYSTEM SINGLE LINE DIAGRAM

TS402 NONE



2 INTERCOM SYSTEM SINGLE LINE DIAGRAM

TS402 NONE

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AUDITORIUM RENOVATION

STATE OF NEW YORK
JAMES R. BARRETT
073467
LICENSED PROFESSIONAL ENGINEER
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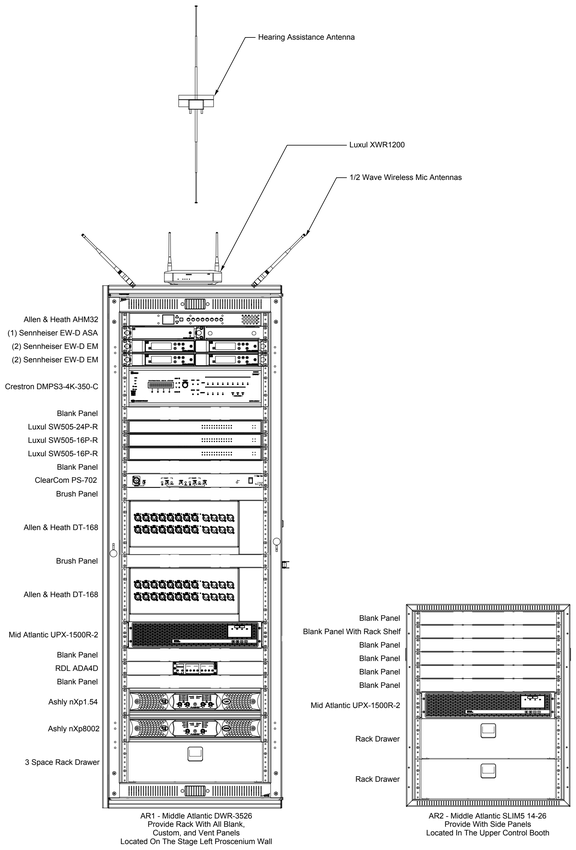
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AUDITORIUM AV & INTERCOM SYSTEM SINGLE LINE DIAGRAM

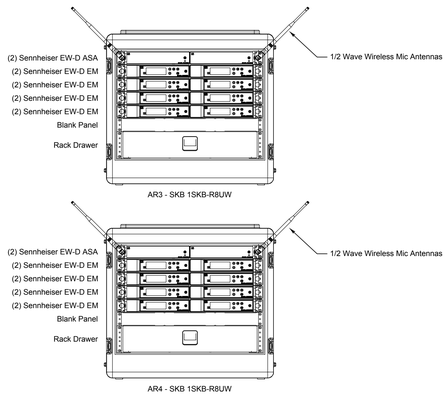
Sheet No:

NFA TS402

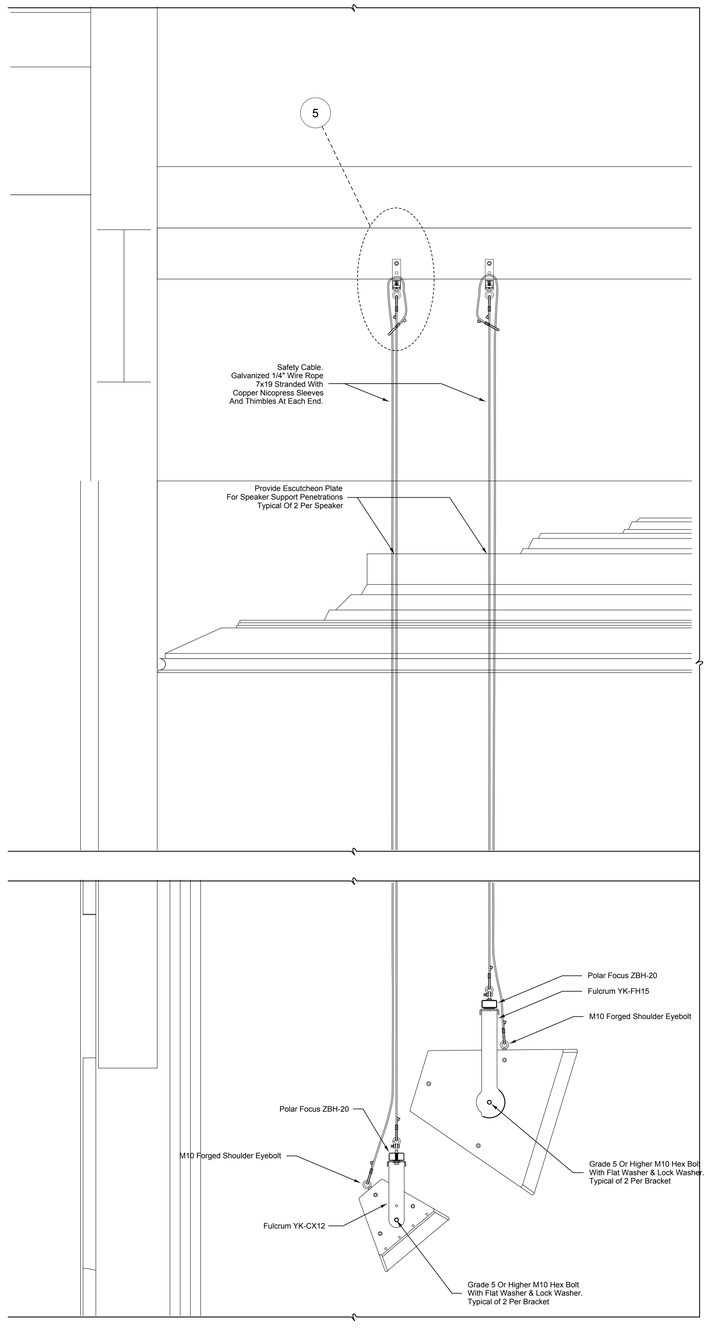
CONSTRUCTION DOCUMENTS



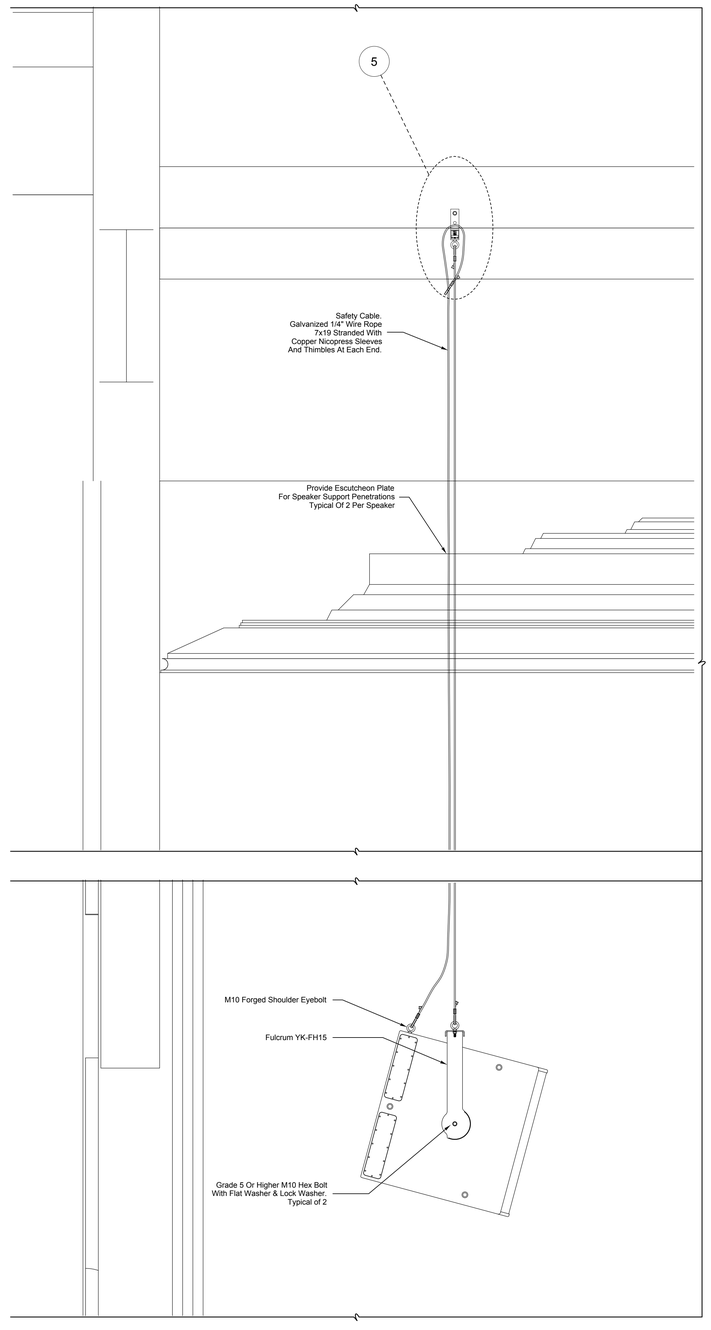
1 AUDIO RACK ELEVATIONS
TS501 1-1/2" = 1'-0"



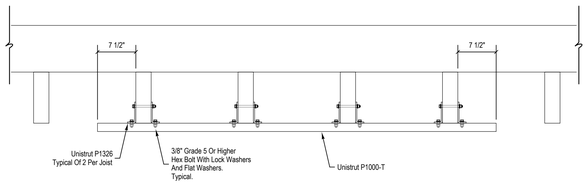
2 PORTABLE AUDIO RACK ELEVATIONS
TS501 1-1/2" = 1'-0"



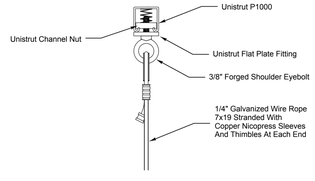
3 MAIN SPEAKER RIGGING DETAIL
TS501 1" = 1'-0"



4 SUBWOOFER RIGGING DETAIL
TS501 1" = 1'-0"



5 UNISTRUT SPANNING DETAIL
TS501 1" = 1'-0"



6 UNISTRUT ATTACHMENT DETAIL
TS501 3" = 1'-0"

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AUDITORIUM RENOVATION

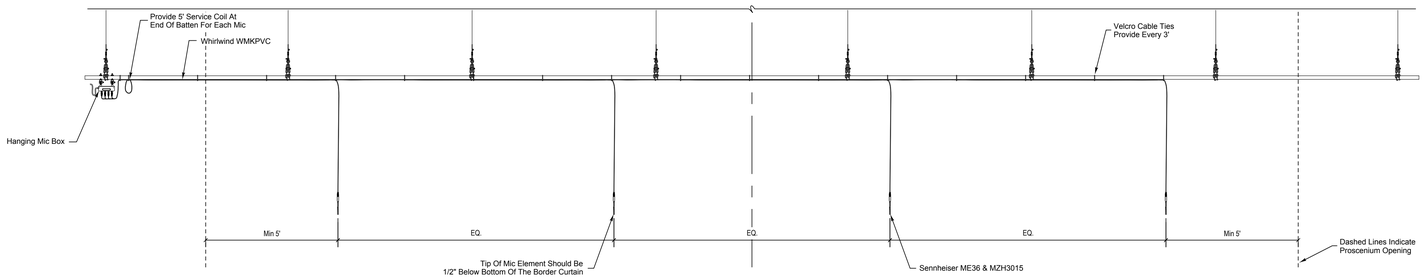
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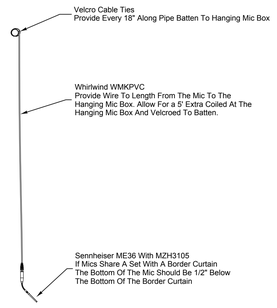
Sheet Title
AUDITORIUM
SOUND & AV
SYSTEM DETAILS

Sheet No:
NFA
TS501

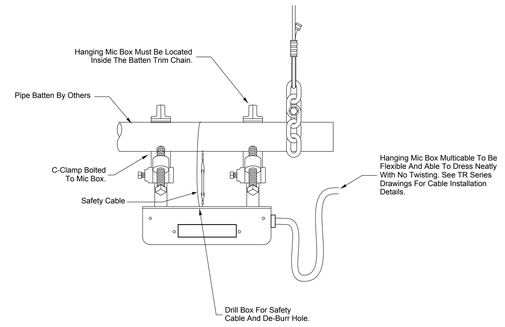
CONSTRUCTION DOCUMENTS



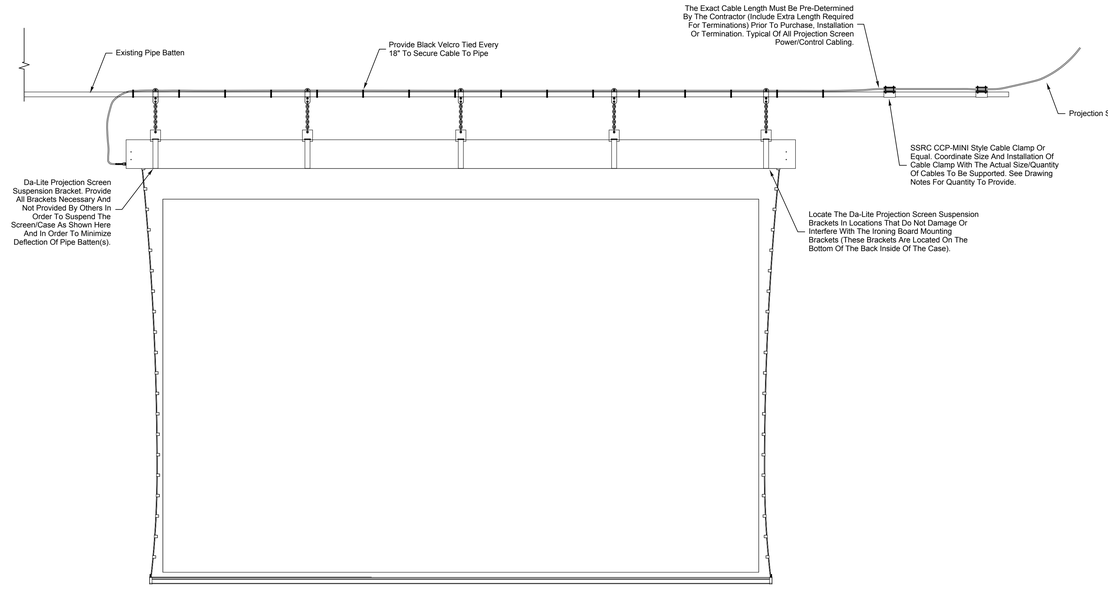
1 HANGING MIC INSTALLATION DETAIL
TS502 3/16" = 1'-0"



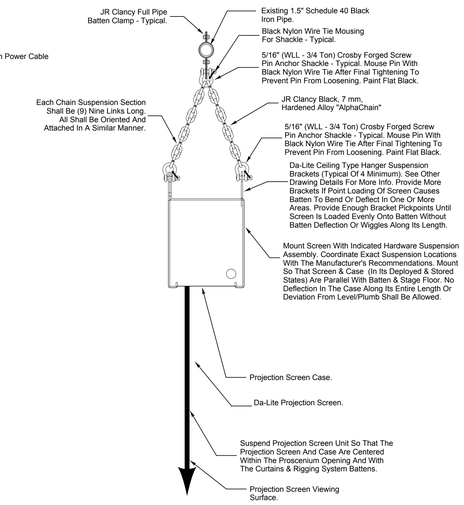
2 HANGING MIC DETAIL
TS502 3/16" = 1'-0"



3 HANGING MIC BOX DETAIL
TS502 3/16" = 1'-0"

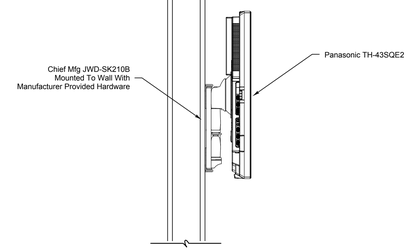


FRONT VIEW

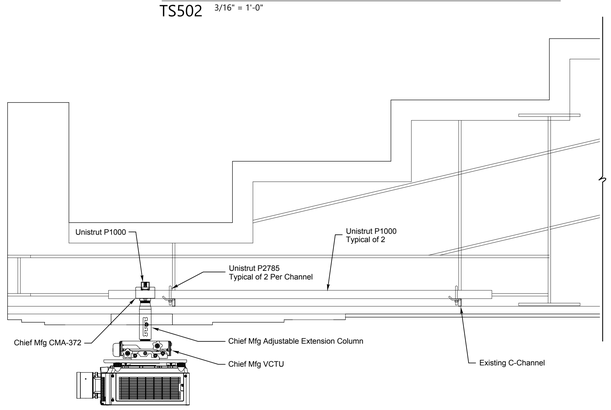


SIDE VIEW

4 PROJECTION SCREEN MOUNTING DETAIL
TS502 3/16" = 1'-0"



5 VIDEO DISPLAY MOUNTING DETAIL
TS502 3/16" = 1'-0"



6 VIDEO PROJECTOR MOUNTING DETAIL
TS502 3/16" = 1'-0"

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Sheet Title
AUDITORIUM
SOUND & AV
SYSTEM DETAILS

Sheet No:
NFA
TS502

CONSTRUCTION DOCUMENTS

AUDITORIUM SOUND & AV SYSTEM SYMBOLS KEY

Device	Description	Box Size	Mounting
XX"	Indicates conduit size and/or wire runs		
XX	Homerun to device		
	Audio Racks 19" EIA - for Specific Rack Information See HS TS501		
	Power - Duplex Outlet- 20A-120VAC-ISO Ground	1 Gang	Mount At Standard Electrical Outlet Height, In Racks Or As Indicated
AV	Custom Plate With Crestron DM-TX-4KZ-100-C-1G, RDL D-BT1A, (1) Neutrik Ethercon Connector and Whirlwind MIP5	4 Gang	Surface Mounted 12" Below The Stage Lip
IO	Plate with (2) Neutrik XLR-M and (4) Neutrik XLR-F Connectors	4 Gang	Surface Mounted 12" Below The Stage Lip
IO2	Plate with (2) Neutrik XLR-M and (4) Neutrik XLR-F Connectors	3 Gang	Surface Mounted At Standard Outlet Height
N4	Plate with (4) Neutrik Ethercon Connectors	2 Gang	Flush Mounted At Standard Outlet Height
N6	Plate with (6) Neutrik Ethercon Connectors	3 Gang	Surface Mounted At Standard Outlet Height
IC	Telex WP-2 Intercom Plate	1 Gang	Mounted At Standard Switch Height Or As Indicated
S	Plate With Grommet For Speaker Cable Exit	1 Gang	Flush Mount In Ceiling As Indicated
JB	Screw Cover Style Box	6x6x4	Surface Mount To Structural Steel Or As Indicated
HM	4 Channel Hanging Mic Box - Whirlwind AVLD-MIC4-100		Mount To Pipe Battens As Indicated. See HS-TS502 For More Information
LVC	Da-Lite External Low Voltage Controller	By Factory	Surface Mount To Bottom Of Steel As Indicated
B6	Crestron C2N-CBD-P-B-S With Decora Plate	1 Gang	Surface Mounted At Switch Height
DC	Custon Plate With Crestron DM-TX-4KZ-100-C-1G And (2) Neutrik Ethercon Connectors	2 Gang	Flush Mounted To Underbalcony Ceiling As Indicated
DMR2	Plate With Neutrik Ethercon Connector	1 Gang	Surface Mounted As Indicated

Note: All References To "Standard Electrical Outlet Height" And "Standard Switch Height" Are Intended For The Installing Contractor To Mount These Devices To Match These Mounting Heights With Any Existing Or Adjacent Devices On Site In The Auditorium.

All Backboxes Shall Be 3.5" Deep With Internal Square Edges. No Backboxes With Rounded Or Radiused Corners Shall Be Acceptable. Where Mounting Brackets Are Required, The contractor Shall Provide Appropriate Brackets As Needed To Mount To Studs, Wall, Etc. No Contractor Fabricated Mounting Systems Shall Be Acceptable.

Standard Switch Height Typically Is 48" To The Top Of Box.
Standard Outlet Height Is Typically 20" To Top Of Box.

Where Existing Switches Or Outlets Are Located In The Vicinity Of New And Are Mounted At Different Heights, Verify Design Height With The Owner/Owner's Representative Prior To Rough In.

CONTRACTOR SCOPE OF WORK (RELATED TO THE SOUND AND AV SYSTEM):

The Shall Perform All Work As Described Below And On Each E Series Drawing. All Work Shall Conform To The Standards Of Division 26 Specifications And Spec Section 275116:

BOXES, CONDUIT & WIRE:

The contractor shall provide (provide means to furnish and install) all conduit, duplex or quad outlets and related faceplates, multiple device boxes, miscellaneous hardware and all installation labor to provide complete conduit layouts and control, line and load circuits/runs as indicated. All devices shown on the drawings are indicated in approximate locations. The contractor coordinate the exact locations of all devices shown with the owner, existing obstructions and any other A/V related items that they may need to be located near or in conjunction with. The contractor shall determine all final locations prior to routing or installing any conduit or backboxes.

The contractor shall provide all wiring run in conduit. No conduit shall be allowed to be loaded beyond 50% fill.

The contractor shall terminate all conduits into racks, junction boxes, pull-boxes or other appropriate devices as indicated. No cut off conduits with end bushings and wiring dangling out the end shall be allowed.

The contractor shall refer to all AV related notes, drawing arrow notes and written specifications for work clarification and additional scope of work as it regards assembly, installation labor, labeling requirements and/or coordination with theatrical trades. Labeling requirements outlined in the written specifications are extensive and detailed.

The contractor shall provide blank cover plates for any switch box or junction box that does not have a specific device plate indicated on the drawings symbols keys. All cover plates shall be provided in a color and style that matches other cover plates in the immediate vicinity of the indicated device or as determined by the owner. Cover plates shall be "form fitting" and shall not have sharp edges that protrude out past edges of backboxes.

All conduits are to be concealed unless specifically called out on drawings as exposed. Any visible conduits and boxes are to conform to general contract requirements and Division 26 for finish and installation requirements.

Note - All circuits are required to have separate hot and neutral conductors. Provide ground wiring as required by applicable code. All circuits shall be calculated for full rated loads, constant duty non diversity unless otherwise specified. Size wire gauges and conduit sizing to allow for full load operation after taking into account all derating for distance, voltage drop and other conditions required by the most recent national electric code (NEC), the New York State building codes and local codes.

Where wire is indicated on the drawings, either in conduit or in walls, ceilings or chases, the contractor shall leave at least 3' excess wire at each end unless otherwise indicated on the drawing. Secure ends of all pulled wire to prevent accidental removal or damage during construction. Label all low voltage cables as to their origin and destination and tuck into back boxes to protect from damage. The contractor shall provide continuous pull strings (for future use) in all conduits even after all indicated wire is pulled in.

Where conduit is indicated with no wire called out on the plan drawings, the contractor shall provide the conduit empty. The contractor shall provide continuous pull strings in all empty conduits, tied off at both ends. Wire must be able to be pulled through the conduits without exceeding the pull spec of the wire to be pulled. Typical pulling tension for cables of this type is between 35 and 50 lbs. tension.

Wiring Standards - Plenum Rated Cable: Unless specifically noted on the drawings, all low voltage wiring is to be CL2/CL3 wiring. Where specific plenum conduits exist its has been noted to use a plenum rated cable. Where wiring runs occur in concealed spaces – walls, ceilings, etc. - and are not enclosed in conduit the contractor must verify the space is not being used as a plenum path. Any areas encountered that are plenums must have plenum cable or the wiring must be contained in conduit rated for the plenum application. Field verify conditions prior to ordering or installing cabling.

In some areas wiring may be called out as CL3 not in conduit. In these areas the EC must provide adequate attachment and support to protect the cable from potential damage using the best routing. Wiring may not be left lying loose in any area unless fully protected (i.e. Inside a wall).

The contractor shall radius all conduits where possible. Conduit runs are not to exceed 270 degrees of radius bend. Where elbows and pull boxes are unavoidable, locate these in easily accessible locations not requiring special equipment to reach. Any elbows used must be sweeps and must be accessible without the use of special equipment. If more than 270 degrees of bend is required, the contractor shall provide accessible pull boxes.

The contractor shall provide all power circuits indicated on E drawings and associated conduit, backboxes, wire, termination and duplex outlets. Termination of these outlets will be to panel boards as indicated on E-series drawings. These outlets may also be indicated on E series drawings. Check E drawings and verify there is no duplication of devices. Some outlets are to be installed in racks - coordinate with the contractor for exact locations within each rack.

The contractor is responsible for fire stopping all penetrations in new and existing fire rated assemblies resulting from the work of his contract.

CONTROLS/PLATES:

The contractor shall provide all cover plates for back boxes or switch boxes as indicated on the drawings.

CONTRACTOR POWER SYSTEM DRAWING NOTES:

Each note indicates a typical location for the type of work to be performed or equipment to be provided. The contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and shall be performed by the referenced contractor(s).

Failure by the contractor to adhere to any of the specific notes on these drawings shall result in the contractor repairing, replacing or reinstalling extensive system components, conduit, wire or related items at his own expense and at no additional cost to the owner in order to bring the installation up to the standards and intents set forth in these contract documents.

A. Branch circuits indicated are for the dedicated use of the specified system: Audio and AV. No other connections may be made or branches added to these circuits. Each circuit must have a separate hot, neutral, and ground conductor. Conduit grounds are not acceptable for these circuits. All wire to be THHN Stranded with Gauge as required by NEC. All grounds to be #12 minimum THHN Stranded copper. Where ISO ground panels are provided the THHN ground wire will be utilized for ISO ground. Building ground to switch boxes on ISO ground circuits as required by NEC.

   Neutrals and grounds may not be shared with any other circuits.

   The branch circuits indicated are to be installed as indicated. The Contractor shall coordinate with the appropriate Contractor where connections are to be made within racks and equipment furnished by others to provide well timed construction progress.

   See E series drawings for panel designations and origination. Do not duplicate circuits.

   All indicated circuits shall be individual, independent, home-run circuits to a panel/breaker box as indicated on the E series drawings (unless otherwise noted or indicated as being paralleled with another). Provide circuits in voltage, wattage, phase and amperage and land/terminate each circuit into a backbox or other device as indicated.

   If a circuit designated does not appear on the panel schedules, the contrctor shall still be responsible for providing the circuit to a panel designated by the electrical engineer for the project. Typically this panel will be within 150 feet of the branch circuit location.

B. The Contractor shall provide all backboxes in sizes as indicated. No multi-gang backboxes with raised, tile ring, extension ring or mud ring style reducers to obtain the specified faceplate gang size shall be acceptable in lieu of the indicated device backbox. Any multi-gang devices with these extension rings used shall be replaced and the specified backbox sizes provided by the Contractor at no additional cost to the owner. The Contractor shall install all backboxes flush, plumb and level.

C. The Contractor shall provide all surface mounted outlet boxes as full-sized backboxes so that the cover/face plates do not protrude beyond the box edges. All outlet boxes to be Thomas & Betts AFS style boxes or equivalent size. Any boxes that are smaller than the cover/face plate will not be accepted. The intent is for faceplate to be the same size as the backbox in order to prevent sharp or protruding edges that could catch or snag clothing, etc. or cause injury.

D. The Contractor shall be responsible for providing an appropriate contact closure feed from the facility's fire alarm system including, but not limited to, wire, conduit, any existing system fire alarm device accessories and triggers needed, fire alarm manufacturer field service technician and related expenses, firestop material to infill firewall penetrations, misc. metal and hardware and all installation labor required to complete the installation and interfacing of this system to the sound system DSP. The Contractor shall obtain fire alarm tie in wire type per fire alarm system manufacturer's recommendations and shall tprovide this wiring to the DSP unit. Termination of wiring to the DSP unit shall be provided by the Contractor . The Contractor shall be responsible for contacting and interfacing with the local fire marshall and other appropriate official personnel, if needed, in relation to the addition and the interfacing of the DSP contact with the fire alarm system.

E. Provide the fire alarm tie to the DSP unit as specified. The intent is for fire alarm triggers (as determined by the owner and applicable codes - i.e. auditorium and building wide triggers, etc.) to be routed from the corresponding contact closure(s) and controls in the main fire alarm system control panel to the DSP unit as needed in order to trigger the DSP to mute during all appropriate fire alarm activation events. Any additional assistance needed from the existing fire alarm service provider company in order to interface with their system shall be arranged in conjunction with the owner and paid for by the contractor.

GENERAL NOTES:

Do not scale plans.

Field verify all dimensions before ordering material or performing any work. Location of all devices must be coordinated with existing and/or new architectural, mechanical, electrical and structural elements. Where conflicts occur contact the architect, construction manager and consultant in writing for clarification before performing any work. If the contractor chooses to proceed without clarification they do so at their own risk. Any work done by the contractor without clarification will be redone at no cost to the owner at the request of the architect, owner, construction manager or consultant.

Where work is critically dimensioned to work provided by others it is the sole responsibility of the contractor to verify the intended location of other elements with other contractors by reviewing their shop drawings.

Coordinate all work for symmetrical installation with relation to height and level with architectural elements, switches, outlets, and other controls.

This drawing represents the configuration of a system. It does not in any way constitute instructions for installation except with regards to configuration. The sole responsibility for field verification of dimensions, installation/fabrication methods, code conformance, safety issues, and the quality and performance of their work shall be that of the installing contractor.

This drawing is to be interpreted in conjunction with other drawings in the construction set as well as written specifications for this project. The contents of the drawing do not in any way negate the written specifications, nor do the written specifications in any way negate the contents of the drawings.

If there are inconsistencies between written specifications and drawings or between any drawing and other drawings in the construction document set it is the responsibility of the contractor to obtain clarification before bidding this project. If no clarification has been obtained prior to bid the contractor will abide by the decision of the architect and consultant at no additional cost to the owner even if work has to be redone.

Obtain shop drawings from related trades to verify the intended configurations and scheduling of their work. The contractor is responsible for coordinating their work with other related trades in a manner that avoids conflicts of work and scheduling.

CONTRACTOR REMOVAL NOTES:

Each Note Indicates A Typical Location For The Type Of Work To Be Performed Or Equipment To Be Removed. Contractor To Provide For All Instances Of Typical Work Indicated.

1. The contractor shall remove the existing speakers including all mounting hardware and speaker wiring back to it's origin. The contractor shall offer the speakers to the owner after removal.
2. The TC shall disconnect and remove all equipment from the audio rack. Remove rack and offer all rack equipment and rack to the owner.

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Consultant

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Project Title

NEWBURGH ENLARGED CSD
NEWBURGH FREE ACADEMY NORTH CAMPUS
AUDITORIUM RENOVATION

STATE OF NEW YORK · JAMES R. BARRETT · 073467 · LICENSED PROFESSIONAL ENGINEER

EXPIRES 5/31/2029

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AUDITORIUM SOUND SYSTEM DRAWING NOTES & SYMBOLS KEYS

Sheet No:

NFA TS601

CONSTRUCTION DOCUMENTS