CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

ISSUED FOR BID: 1/13/23

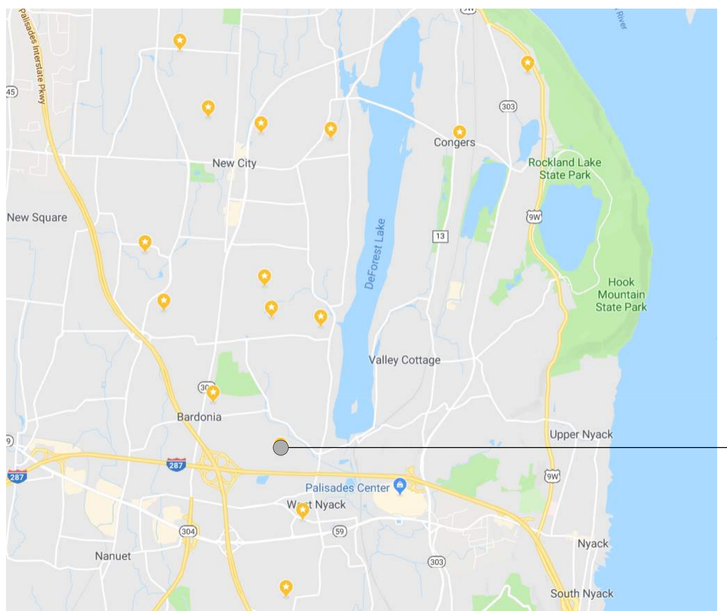
CSARCH - ARCHITECTS

PASSERO ASSOCIATES - SITE/CIVIL ENGINEERS
BLAKE ENGINEERING, PLLC - M.E.P. ENGINEERS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
CLARKSTOWN SOUTH HIGH SCHOOL 50-01-01-06-0-018-028

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. 151-2201



CLARKSTOWN SOUTH HIGH SCHOOL
31 DEMAREST HILL ROAD
WEST NYACK, NY 10994

VICINITY MAP NTS

DRAWING LIST

CLARKSTOWN SOUTH HIGH SCHOOL (CSHS)

GENERAL DRAWINGS

CSHS G001 SYMBOLS, ABBREVIATIONS, AND MISC.

CIVIL DRAWINGS

CSHS C101 SITE PLAN

LIFE SAFETY DRAWINGS

CSHS LS100 FITNESS AREA - LIFE SAFETY PLAN

ARCHITECTURAL DEMOLITION DRAWINGS

CSHS AD101 FITNESS AREA - FIRST FLOOR DEMOLITION PLANS
CSHS AD401 FITNESS AREA - ROOF DEMOLITION PLAN

ARCHITECTURAL DRAWINGS

CSHS A101 FITNESS AREA - FIRST FLOOR NEW WORK PLANS AND DETAILS
CSHS A401 FITNESS AREA - ROOF NEW WORK PLAN AND DETAILS
CSHS A751 SITE SIGNAGE DETAILS

MECHANICAL GENERAL DRAWINGS

CSHS M101 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS
CSHS M102 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS

CSHS MD201 MECHANICAL DEMOLITION PLANS

MECHANICAL DRAWINGS

CSHS M201 MECHANICAL PLANS
CSHS M202 MECHANICAL REFLECTED CEILING AND ROOF PLANS

ELECTRICAL GENERAL DRAWINGS

CSHS E101 ELECTRICAL NOTES, LEGENDS, SCHEDULES & DETAILS

ELECTRICAL SITE DRAWINGS

CSHS ES111 ELECTRICAL SITE PLAN

ELECTRICAL DEMOLITION DRAWINGS

CSHS ED201 ELECTRICAL DEMOLITION PLANS

ELECTRICAL DRAWINGS

CSHS E201 ELECTRICAL PLANS

REGISTERED ARCHITECT
THOMAS M. RITZENTHALER
023344
STATE OF NEW YORK

VOLUME 4 OF 4

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ADD	ADDENDUM
ADMN	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 / CLNG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRIC / ELECTRICAL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDENT-TREATED MATERIAL
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZE(D)
GC	GENERAL CONTRACT(OR)
GND	GROUND
GWB	GYPSUM WALL BOARD
GWBS	GYPSUM WALL BOARD SOFFIT
HC	HANDICAPPED ACCESSIBLE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	INCH / INCHES
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	MANUFACTURE(R)
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
O/HD	OVERHEAD
OPT	OPTIONAL
OZ	OUNCE
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POLYISO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
RB	RUBBER / RUBBER WALL BASE
REQD	REQUIRED
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAG	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
WT	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

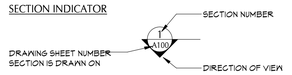
- FACE OF STUD OR CMU
- GOLUMN CENTER LINE

SYMBOLS

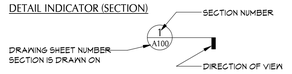
- CLASSROOM / 100 / 000 S.F. — ROOM NAME; ROOM NUMBER; AREA OF ROOM
- A100 — DOOR NUMBER, REFER TO A900 DRAWINGS
- 1 — WINDOW TAG, REFER TO A900 DRAWINGS
- BL11 — BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS
- S.1 — STOREFRONT / CURTAINWALL NUMBER, REFER TO A900 DRAWINGS
- 1 — GOLUMN GRID DESIGNATION
- 1 / A — PARTITION TAG, REFER TO A100 DRAWINGS; HOUR RATING OF PARTITION; ADDITIONAL NOTES FOR PARTITION
- 1 — REVISION NUMBER
- 1 — KEY NOTE, NEW WORK
- 1 — KEY NOTE, DEMOLITION WORK
- 10'-0" — ELEVATION TAG
- HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE
- WALL FINISH / BASE FINISH / FLOOR FINISH / CEILING FINISH — INTERIOR FINISH TAG, REFER TO AF100 DRAWINGS

DETAIL INDICATOR LEGEND

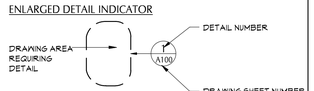
SECTION INDICATOR



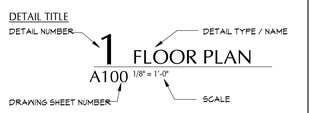
DETAIL INDICATOR (SECTION)



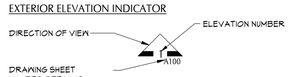
ENLARGED DETAIL INDICATOR



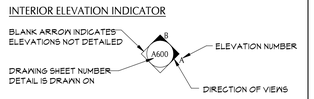
DETAIL TITLE



EXTERIOR ELEVATION INDICATOR



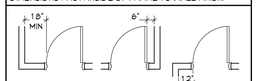
INTERIOR ELEVATION INDICATOR



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 GOLUMN 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 GOLUMN 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 GOODINATE 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 BLOCKING WITHIN ROOFING SYSTEM AND WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED
8. ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND /OR FIRE STOPPED. GOORDINATE WITH M DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
9. FOR INTERIOR PARTITION TYPES, REFER TO DRAWING A701
10. FOR DOOR SCHEDULE, REFER TO DRAWING A901
11. FOR FINISH SCHEDULE, REFER TO DRAWING AF901
12. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.
13. PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS. GOORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.
14. FOR ALL MATERIAL TESTING, REFER TO SPECIFICATION DIVISION 000220
15. ALL GONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE

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

Consultant

Project Title

CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

REGISTERED ARCHITECT
THOMAS M. RITZENTHALER
023344
STATE OF NEW YORK

#	DATE	DESCRIPTION

Drawn By:	CSA
Checked By:	CSA
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
Construction Documents:	1/13/23

Sheet Title

SYMBOLS, ABBREVIATIONS, AND MISC

Sheet No.

CSHS G001

CONSTRUCTION DOCUMENTS

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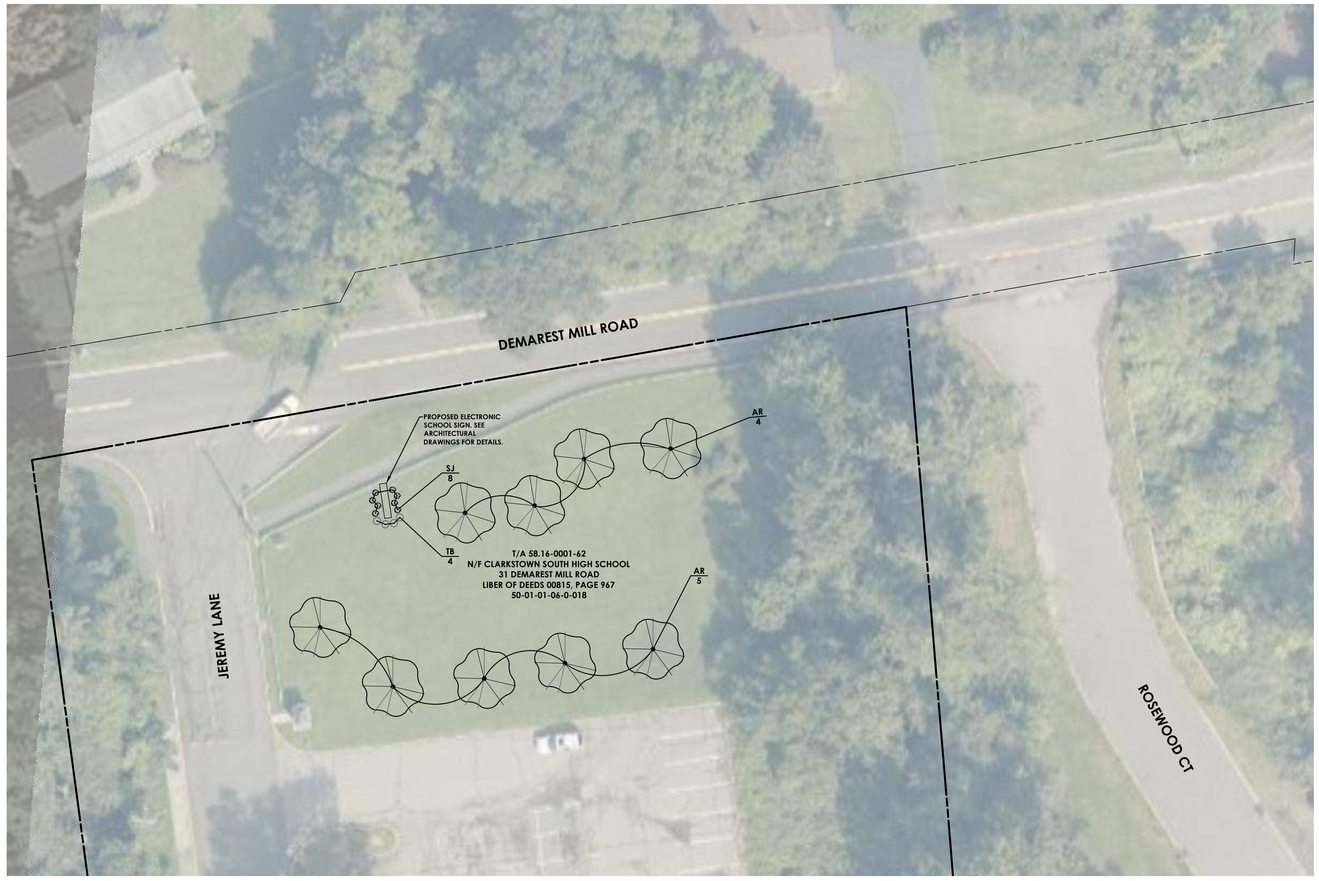


HORIZONTAL SCALE

20 0 10 20 40

SCALE: 1"=20'

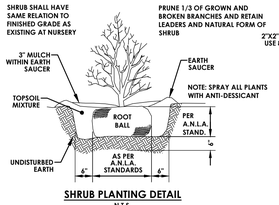
N

LANDSCAPING NOTES:

1. CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE AND LOCAL PERMITS REQUIRED. ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE DESIGN STANDARDS AND CODES.
2. IT IS THE LANDSCAPE CONTRACTORS RESPONSIBILITY TO VISIT THE SITE PRIOR TO BID SUBMITTAL, TO BECOME FAMILIAR WITH EXISTING CONDITIONS AT THE SITE.
3. STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", ANSI Z60.1 (LATEST EDITION) REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE THE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIALS DELIVERED AND INSTALLED ON THIS PROJECT.
4. ALL PLANTS MUST BE HEALTHY, VIGOROUS AND FREE OF PESTS AND DISEASE.
5. ALL PLANTS MUST BE HARDY UNDER CLIMATE CONDITIONS THAT EXIST AT THE PROJECT SITE AND GROWN AT A NURSERY IN THE SAME HARDINESS ZONE AS THE PROJECT LOCATION.
6. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AN MEET SIZE REQUIREMENTS AS INDICATED ON THE PLANT LIST.
7. ALL TREES MUST BE STRAIGHT-TRUNKED, INJURY FREE, HAVE A FULL, SYMMETRICAL CROWN (HEAD) AND MEET ALL REQUIREMENTS SPECIFIED (E.G. SINGLE STEM, MULTI-STEM, HEAVY BRANCHED, ETC.).
8. ANY PROPOSED DEVIATION TO THE LANDSCAPE PLAN MUST FIRST BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF THE PROPOSED LANDSCAPING CHANGES.
9. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS. THE BID PRICE SUBMITTED WILL ASSUME THAT ALL PLANT MATERIALS DELINEATED WILL BE SUPPLIED AND INSTALLED. ANY DISCREPANCIES IN THE QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND/OR DESIGN LANDSCAPE ARCHITECT (OWNER'S REPRESENTATIVE) PRIOR TO COMPLETING A BID PRICE.
10. ALL GRADING AND UTILITY WORK SHALL BE COMPLETED PRIOR TO INSTALLATION OF PLANT MATERIAL AND LANDSCAPE MULCH.
11. THE FINAL LOCATION OF TREES AND OTHER LANDSCAPING SHALL BE DETERMINED IN THE FIELD BASED ON UTILITY STAKEOUT AND SHALL NOT CONFLICT WITH TRAFFIC SIGNS AND/OR UTILITIES. STAKE OUT SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
12. ANY CONCERNS RELATED TO SITE CONDITIONS AND/OR PLANT LOCATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
13. PLANTING BACKFILL MIXTURE: 4 PARTS TOPSOIL (ON-SITE OR IMPORTED), 1 PART PEAT MOSS, 1/2 PART WELL ROTTED MANURE AND 10 LBS. 5-0-5 PLANTING FERTILIZER, MIXED THOROUGHLY PER CUBIC YARD.
14. MULCH ALL PLANT BEDS, AND INDIVIDUAL TREES IN LAWN AREAS WITH SHREDDED HARDWOOD BARK MULCH TO A DEPTH OF THREE (3") INCHES UNLESS OTHERWISE SPECIFIED ON PLANTING DETAILS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT DUE TO SITE CONDITIONS.
15. ANY PLANT WHICH TURNS BROWN, DEFOLIATES OR DIES PRIOR TO FINAL ACCEPTANCE BY THE OWNER, OR DESIGN LANDSCAPE ARCHITECT, SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH THE SAME PLANT (SPECIES, VARIETY AND SIZE) AS SPECIFIED ON THE PLANT SCHEDULE (LIST).
16. THE CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIALS AND LAWN AREAS UNTIL THE PROJECT HAS RECEIVED FINAL ACCEPTANCE BY THE OWNER OR OWNER'S REPRESENTATIVE. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO: WATERING, MULCHING, FERTILIZING, SPRAYING (FUNGICIDE, PESTICIDE, ANTI-DESICANT), AS WELL AS RAISING PLANTS THAT HAVE SETTLED TOO DEEP OR REQUIRE STRAIGHTENING.
17. UPON COMPLETION AND ACCEPTANCE OF THE LANDSCAPING, THE LANDSCAPE MATERIALS SHALL BE GUARANTEED FOR TWO (2) YEARS. THE GUARANTEE SHALL BE INCLUSIVE OF ALL MATERIAL AND LABOR COSTS. AT THE END OF THE GUARANTEE PERIOD THE OWNERS REPRESENTATIVE WILL INSPECT ALL PLANT MATERIALS. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REQUIRED REPLACEMENTS WITH PLANT MATERIALS MEETING THE SPECIFICATIONS (E.G. SPECIES, SIZE AND CHARACTER).
18. ALL AREAS DISTURBED BY SITE GRADING AND/OR UTILITY INSTALLATION SHALL RECEIVE APPROVED TOPSOIL (BASED ON APPROVED SAMPLES SUBMITTED BY THE CONTRACTOR) AND SPREAD TO A DEPTH NOT LESS THAN SIX (6") INCHES AFTER COMPACTION. TOPSOIL PLACED FOR LAWNS SHALL BE FINE GRADED, SEEDED, MULCHED AND WATERED UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED. THIS IS EXCLUDING FOUNDATION PLANT BEDS, AND ENTRANCE AREAS.
19. LOCATIONS OF EXISTING BURIED UTILITIES SHOWN ON THE SITE PLAN ARE BASED UPON THE BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE TO CALL FOR A UTILITY STAKEOUT PRIOR TO COMMENCING PLANT INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, AND SITE APPURTENANCES WHICH OCCURS AS A RESULT OF LANDSCAPE INSTALLATION OPERATIONS.
20. EXISTING TREES INDICATED TO BE REMOVED SHALL OCCUR UNDER THE SITE CONTRACT FOR THIS PROJECT. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR NEW PLANTINGS OR RESTORATION OF THE DISTURBED AREA (LAWNS, PLANT BEDS, ISLANDS).
21. PRE-EMERGENT HERBICIDE SHALL BE USED UNDER MULCH IN ALL TREE AND PLANT BED AREAS.
22. ALL SHRUB BEDS ADJACENT TO LAWN AREAS SHALL HAVE A SPADED EDGE BORDER, UNLESS METAL EDGE, CONCRETE, OR OTHER BORDER IS SPECIFIED.

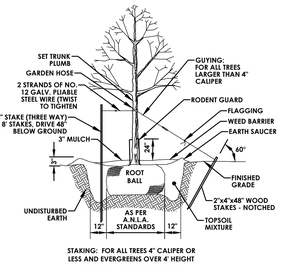
PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	MATURE HEIGHT
	AR	9	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	3-3.5"	B&B	50-80`
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**	**MATURE HEIGHT**
	SJ	8	SPIRAEA JAPONICA 'NEON FLASH'	NEON FLASH JAPANESE SPIREA	18-24"	#3	18-24"
	TB	4	THUJA OCCIDENTALIS 'BOBOZAM' TM	MR. BOWLING BALL ARBORVITAE	24-30"	#3	2-3`



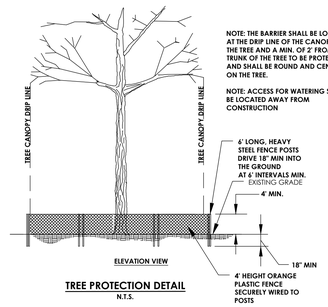
SHRUB PLANTING DETAIL

N.T.S.



TREE PLANTING DETAIL

N.T.S.



TREE PROTECTION DETAIL

N.T.S.

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

CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

STATE OF NEW YORK · SHMUEL G. KLEIN · LICENSED PROFESSIONAL ENGINEER · 100325

NO.	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
Construction Documents:	1/13/23

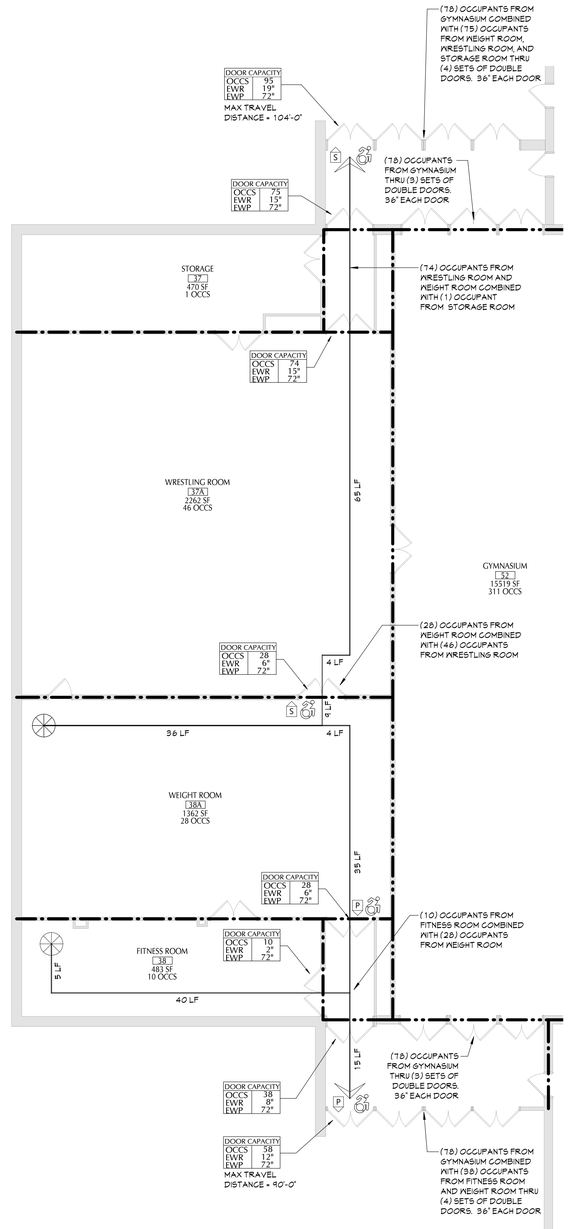
Sheet Title

SITE PLAN

Sheet No.

CSHS C101

CONSTRUCTION DOCUMENTS



1 FITNESS AREA - FIRST FLOOR LIFE SAFETY PLAN
LS100 1/8" = 1'-0"

LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- 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)
- DOOR CAPACITY OCCS = ## EWR = " EWP = ": REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)

ABBREVIATIONS

DC	DEFIBRILLATOR CABINET
EWP	EXIT WIDTH PROVIDED
EWR	EXIT WIDTH REQUIRED
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
OCCS	NUMBER OF OCCUPANTS IN SPACE

FIRE SEPARATION NOTES

- 1 HOUR RATED FIRE PARTITION
- 2 HOUR RATED FIRE PARTITION

CODE NARRATIVE:

1969 - ORIGINAL CONSTRUCTION:

CONSTRUCTION TYPE:	IIB
FIRST FLOOR AREA:	180,580 SF GROSS
SECOND FLOOR AREA:	57,266 SF GROSS
THIRD FLOOR AREA:	56,387 SF GROSS
CURRENT USE:	E - EDUCATION

1988 - ADDITION:

CONSTRUCTION TYPE:	IIB
FIRST FLOOR AREA:	183,014 SF GROSS
SECOND FLOOR AREA:	57,266 SF GROSS
THIRD FLOOR AREA:	56,387 SF GROSS
CURRENT USE:	E - EDUCATION

BUILDING AREA:
PERMITTED FOR TYPE (PER TABLE 506.2)

REQUIRED CORRIDOR FIRE-RESISTANCE RATING:
(PER TABLE 1020.1)

CODE NOTES

ALL NEW WORK TO BE PERFORMED SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. 2020 INTERNATIONAL BUILDING CODE
2. 2020 INTERNATIONAL EXISTING BUILDING CODE
3. NYS BUILDING CODE SUPPLEMENTS
4. ANSI A117.1-09
5. 1988 NYSED MANUAL OF PLANNING STANDARDS

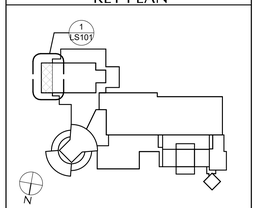
ALL EXISTING CONDITIONS AND NEW WORK CONDITIONS CONTAIN THE FOLLOWING MAXIMUM TRAVEL DISTANCES:

1. EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 200 FEET FOR UNSPRINKLERED BUILDINGS OF OCCUPANCY TYPE E
2. ANY POINT IN ANY GROUND FLOOR CORRIDOR MUST BE WITHIN 150 FEET ALONG THE LINE OF TRAVEL TO AN EXTERIOR DOORWAY. ANY POINT IN A CORRIDOR OTHER THAN A GROUND FLOOR CORRIDOR SHALL NOT EXCEED 120 FEET ALONG THE LINE OF TRAVEL TO THE STAIR ENCLOUSRE OF AN EXIT STAIRWAY.

ALL EXISTING CONDITIONS AND NEW WORK CONDITIONS GONTAIN THE FOLLOWING DEAD-END CORRIDOR INFORMATION:

1. DEAD-END CORRIDOR POCKETS SHALL NOT EXCEED A MAXIMUM DEPTH OF 1 1/2 TIMES THE WIDTH OF THE POCKET, OR 1 1/2 TIMES THE WIDTH OF THE CORRIDOR, WHICHEVER IS LESS. MAX DEAD- END DISTANCE IS 20'.

KEY PLAN



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CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

Project Title

THOMAS M. RITZENTHALER
REGISTERED ARCHITECT
023344
STATE OF NEW YORK

#	DATE	DESCRIPTION

Drawn By:	CSA
Checked By:	CSA
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
Construction Documents:	1/13/23

Sheet Title

FITNESS AREA - LIFE SAFETY PLAN

Sheet No.

CSHS LS100

CONSTRUCTION DOCUMENTS

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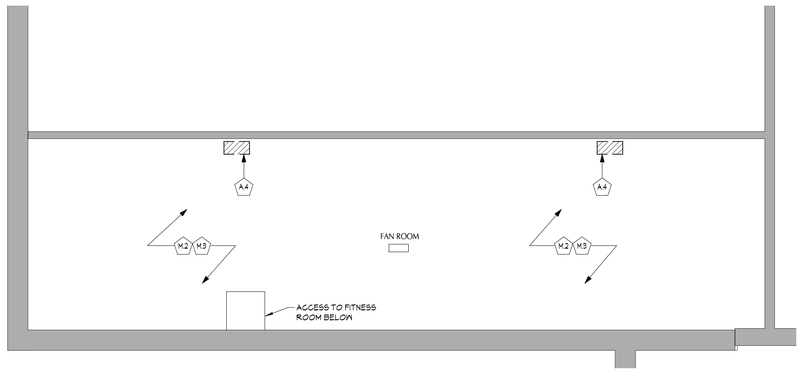
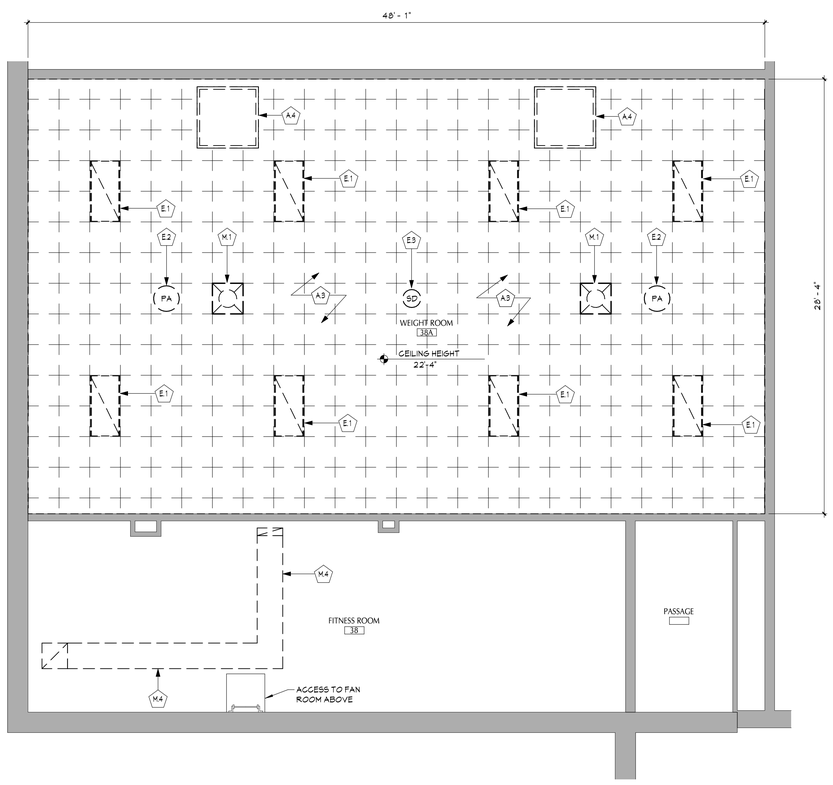
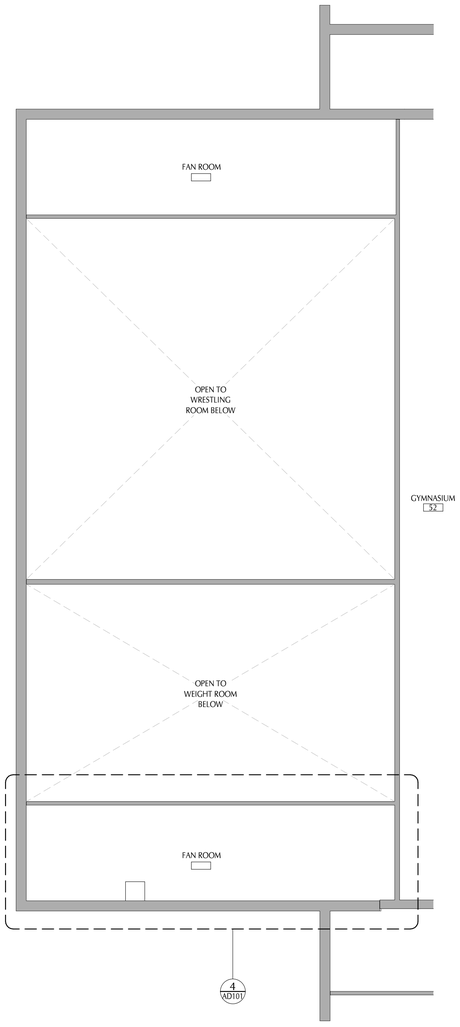


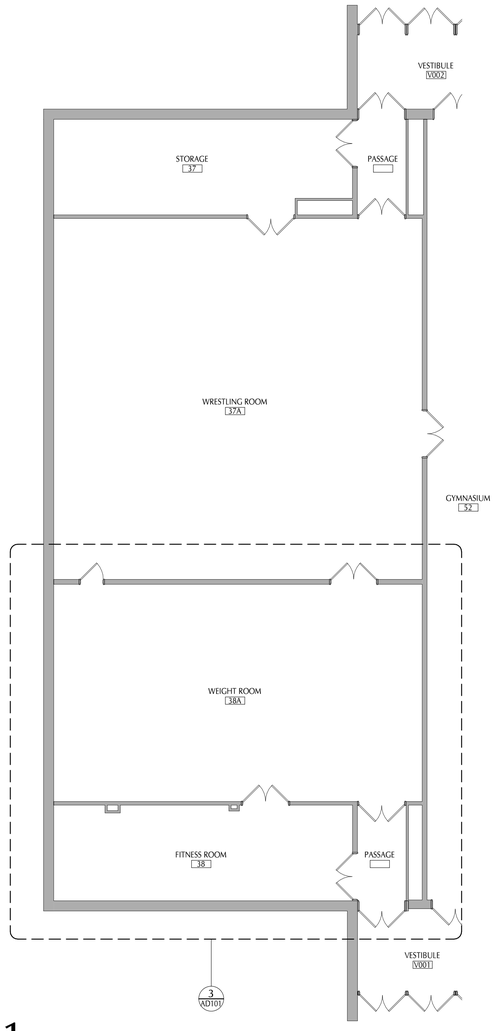
4 ENLARGED SECOND FLOOR DEMOLITION PLAN
AD101 1/4" = 1'-0"



3 ENLARGED FIRST FLOOR DEMOLITION RCP
AD101 1/4" = 1'-0"



2 FITNESS AREA - SECOND FLOOR DEMOLITION PLAN
AD101 1/8" = 1'-0"



1 FITNESS AREA - FIRST FLOOR DEMOLITION PLAN
AD101 1/8" = 1'-0"

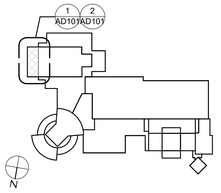
GENERAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES

KEY	DESCRIPTION
A.3	REMOVE EXISTING ACOUSTICAL PANEL CEILING IN ITS ENTIRETY. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
A.4	REMOVE EXISTING SKYLIGHT LENSES, FRAMING, TRIM, ETC. ATTACHED TO EXISTING CEILING AND SALVAGE FOR REINSTALLATION. DO NOT MODIFY SKYLIGHT OPENING AT ROOF LEVEL.
E.1	LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
E.2	SPEAKER. REFER TO ELECTRICAL DRAWINGS.
E.3	SMOKE DETECTOR. REFER TO ELECTRICAL DRAWINGS.
M.1	DIFFUSER. REFER TO MECHANICAL DRAWINGS.
M.2	HVAC UNIT. REFER TO MECHANICAL DRAWINGS.
M.3	HVAC EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
M.4	HVAC DUCTWORK. REFER TO MECHANICAL DRAWINGS.

KEY PLAN



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CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

Project Title

REGISTERED ARCHITECT
THOMAS M. FITZPATRICK
023344
STATE OF NEW YORK

NO.	DATE	DESCRIPTION

Drawn By:	CSA
Checked By:	CSA
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
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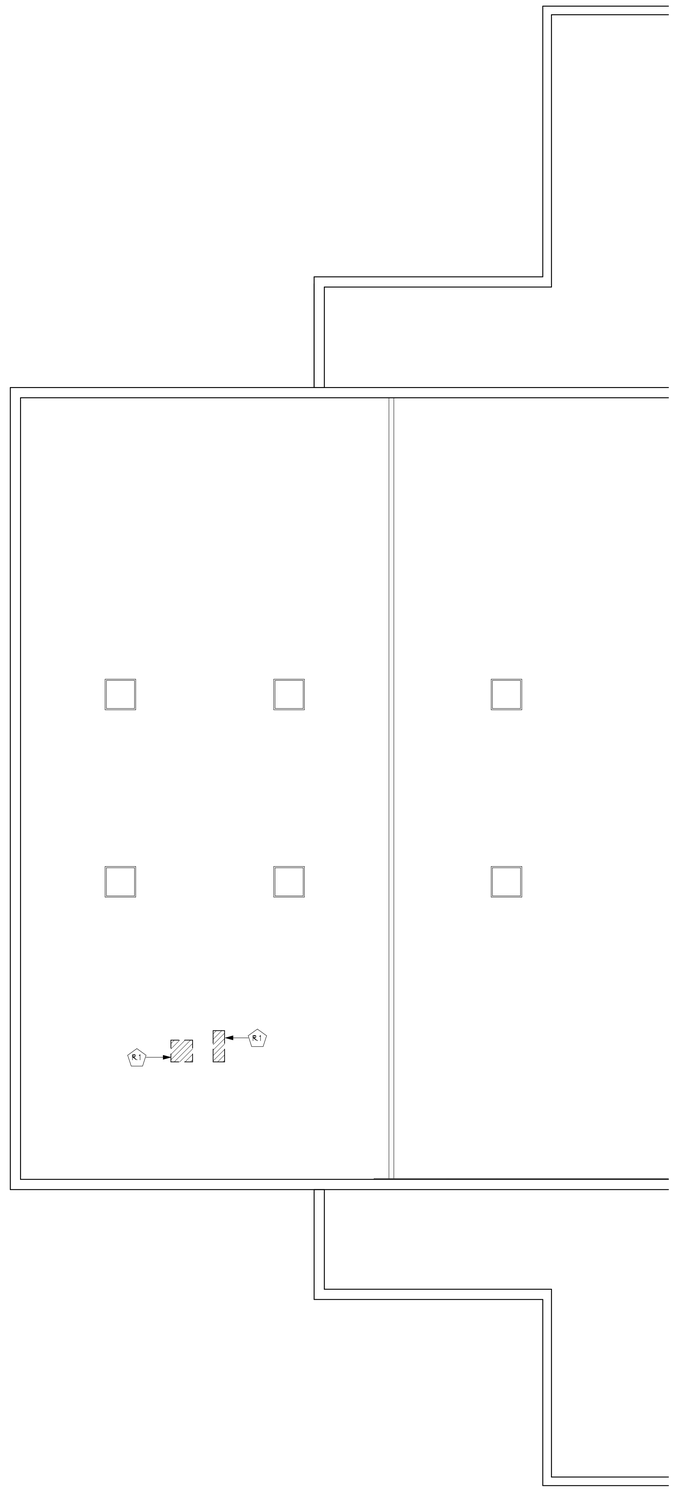
Sheet Title
FITNESS AREA - FIRST FLOOR DEMOLITION PLANS

Sheet No.
CSHS AD101

CONSTRUCTION DOCUMENTS

C:\Users\dmiller\OneDrive - CSArch\Documents\151-2201_SOUTH HS_dmiller303.rvt



1 FITNESS AREA - ROOF DEMOLITION PLAN
AD401 1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

ROOF SYSTEMS

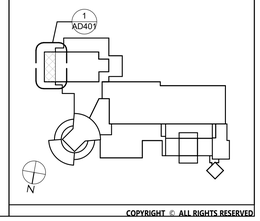
EXISTING ROOF SYSTEM:

1) EXISTING LIGHTWEIGHT CONCRETE ON METAL DECK
2) VAPOR RETARDER
3) RIGID INSULATION (FLAT - 5 1/2" THICKNESS)
4) RIDID INSULATION (TAPTED - THICKNESS VARIES)
5) EPDM ROOF MEMBRANE

DEMOLITION KEYNOTES

(x)	DESCRIPTION
R.1	SAW CUT AND REMOVE PORTION OF ROOF SYSTEM INCLUDING DECKING, INSULATION, AND MEMBRANE TO ACCOMMODATE NEW ROOF PENETRATION. COORDINATE PENETRATION LOCATION AND SIZE WITH MG.

KEY PLAN



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Project Title

CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

REGISTERED ARCHITECT
THOMAS M. RITZENTHALER
023344
STATE OF NEW YORK

NO.	DATE	DESCRIPTION

Drawn By:	CSA
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Proj. #:	50-01-01-06-0-018-028
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Sheet Title

FITNESS AREA - ROOF DEMOLITION PLAN

Sheet No.

CSHS AD401

CONSTRUCTION DOCUMENTS

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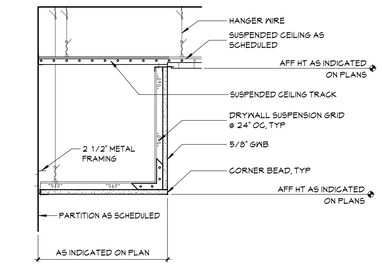
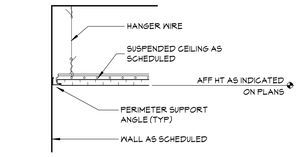
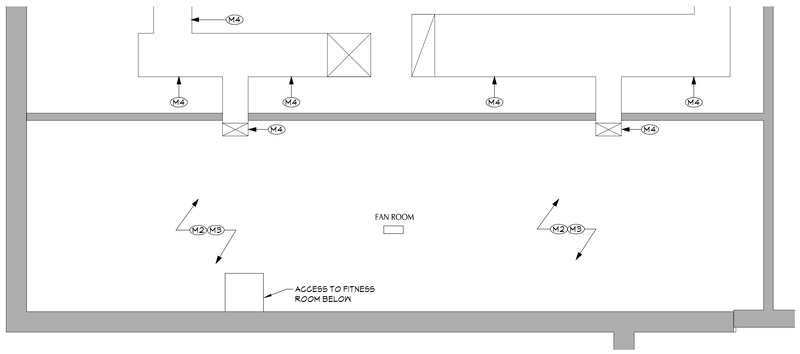


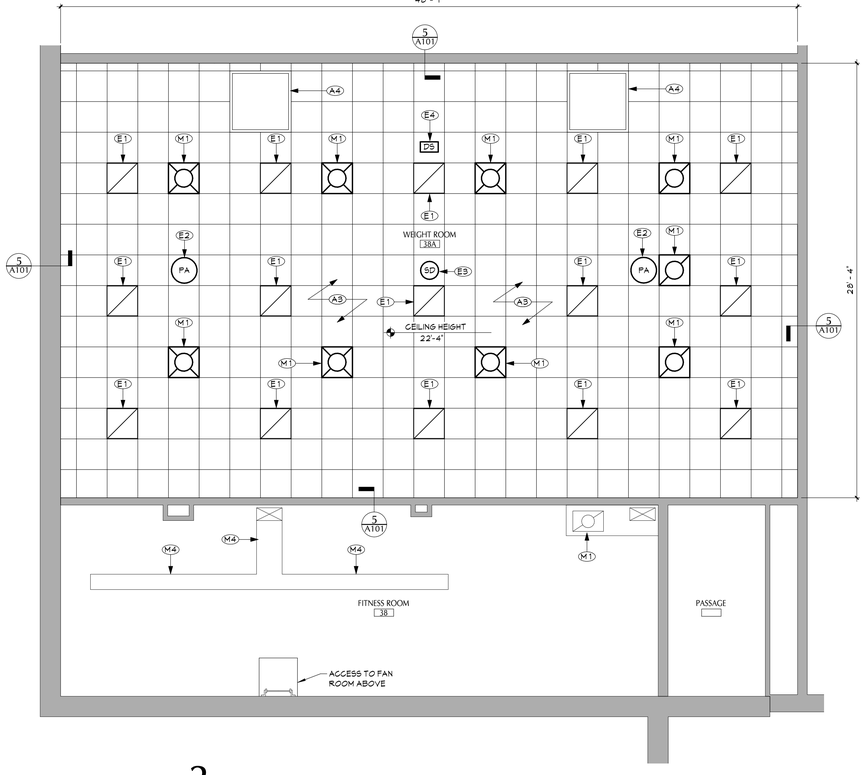
6 GYPSUM BOARD SOFFIT DETAIL
A101 1 1/2" = 1'-0"



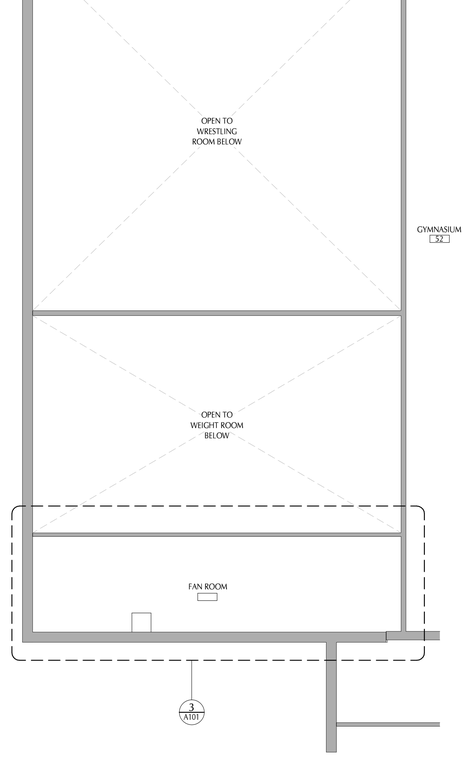
5 ACT CEILING DETAIL
A101 1 1/2" = 1'-0"



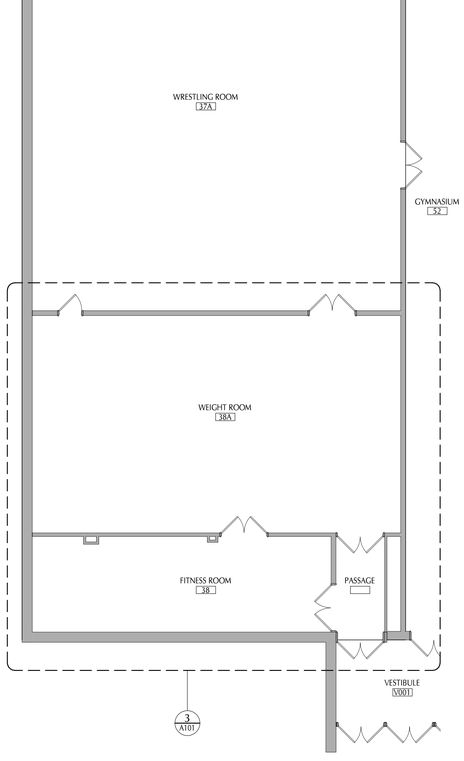
4 ENLARGED SECOND FLOOR NEW WORK PLAN
A101 1/4" = 1'-0"



3 ENLARGED FIRST FLOOR NEW WORK RCP
A101 1/4" = 1'-0"



2 FITNESS AREA - SECOND FLOOR NEW WORK PLAN
A101 1/8" = 1'-0"



1 FITNESS AREA - FIRST FLOOR NEW WORK PLAN
A101 1/8" = 1'-0"

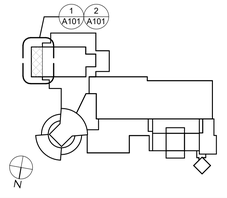
GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY.
3. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
4. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

NEW WORK KEYNOTES

(X)	DESCRIPTION
A3	PROVIDE NEW ACOUSTICAL PANEL CEILING. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
A4	REINSTALL EXISTING SKYLIGHT LENSES, FRAMING, TRIM, ETC. AND ATTACH TO NEW CEILING.
E1	LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
E2	SPEAKER. REFER TO ELECTRICAL DRAWINGS.
E3	SMOKE DETECTOR. REFER TO ELECTRICAL DRAWINGS.
E4	DAYLIGHT SENSOR. REFER TO ELECTRICAL DRAWINGS.
M1	DIFFUSER. REFER TO MECHANICAL DRAWINGS.
M2	HVAC UNIT. REFER TO MECHANICAL DRAWINGS.
M3	HVAC EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
M4	HVAC DUCTWORK. REFER TO MECHANICAL DRAWINGS.

KEY PLAN



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CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

Project Title

REGISTERED ARCHITECT THOMAS M. FITZPATRICK 023314 STATE OF NEW YORK

NO.	DATE	DESCRIPTION

Drawn By:	CSA
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Proj. #:	50-01-01-06-0-018-028
CSArch Proi. #:	151-2201
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Sheet Title
FITNESS AREA - FIRST FLOOR NEW WORK PLANS AND DETAILS

Sheet No.
CSHS A101

CONSTRUCTION DOCUMENTS

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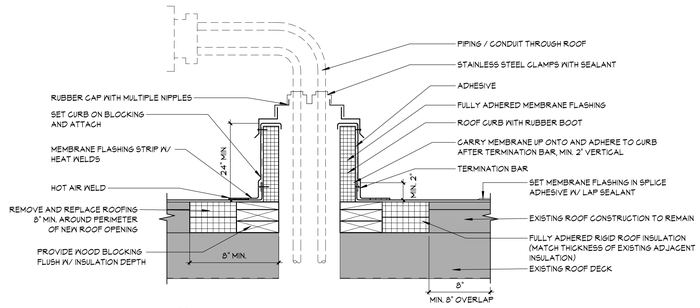
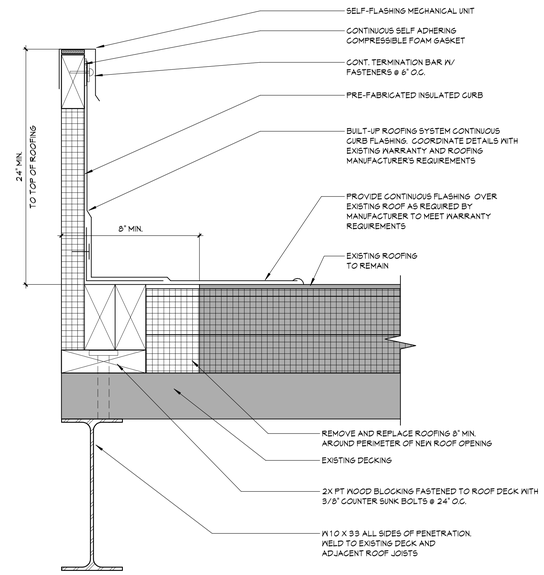


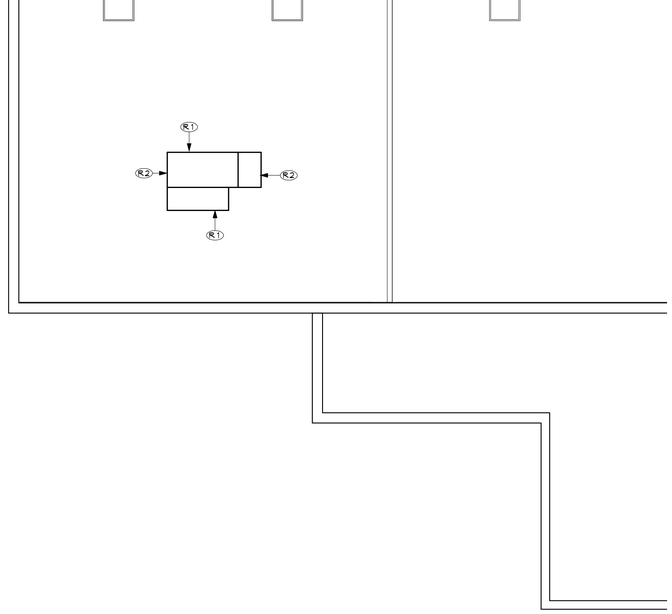
3 ROOF PIPE BOOT/CURB DETAIL

A401 1 1/2" = 1'-0"



2 ROOF EQUIPMENT CURB DETAIL

A401 3" = 1'-0"



1 FITNESS AREA - ROOF NEW WORK PLAN

A401 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY.
3. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
4. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

ROOF SYSTEMS

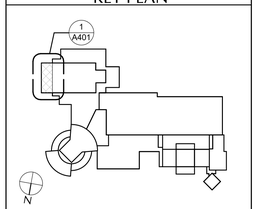
EXISTING ROOF SYSTEM:

1) EXISTING LIGHTWEIGHT CONCRETE ON METAL DECK
2) VAPOR RETARDER
3) RIGID INSULATION (FLAT - 5 1/2" THICKNESS)
4) RIDID INSULATION (TAPTED - THICKNESS VARIES)
5) EPDM ROOF MEMBRANE

NEW WORK KEYNOTES

X	DESCRIPTION
R1	INSTALL NEW ROOF CURB FOR ROOF TOP MECHANICAL EQUIPMENT. PROVIDE ROOF DECK SUPPORT STEEL AROUND ROOF OPENING. COORDINATE EQUIPMENT SIZE WITH MECHANICAL DRAWINGS.
R2	PROVIDE ROOF SYSTEM INFILL AND FLASHING AROUND ROOF CURB AS REQUIRED.

KEY PLAN



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Project Title

CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

REGISTERED ARCHITECT
THOMAS M. RITTERHOUSE
023344
STATE OF NEW YORK

#	DATE	DESCRIPTION

Drawn By:	CSA
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Proj. #:	50-01-01-06-0-018-026
CSArch Proj. #:	151-2201
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Sheet Title

FITNESS AREA - ROOF NEW WORK PLAN AND DETAILS

Sheet No.

CSHS
A401

CONSTRUCTION DOCUMENTS

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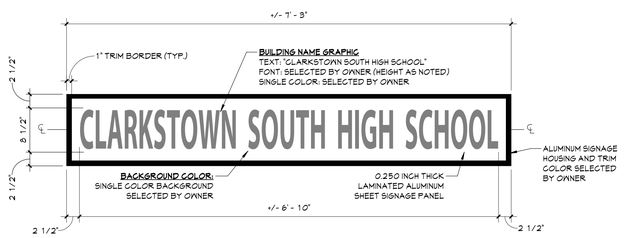
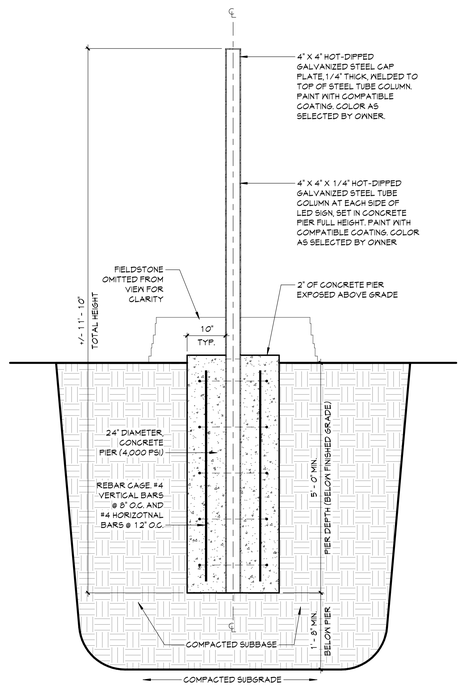


4 GRAPHIC SIGNAGE PANEL ELEVATION

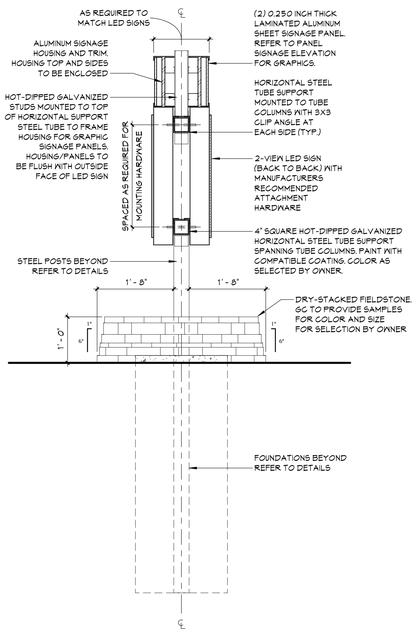
A751 1" = 1'-0"

NOTE:
TWO PANELS CONTAINING GRAPHICS DETAILED ABOVE TO BE PROVIDED. ONE AT EACH SIDE OF SIGN SYSTEM.



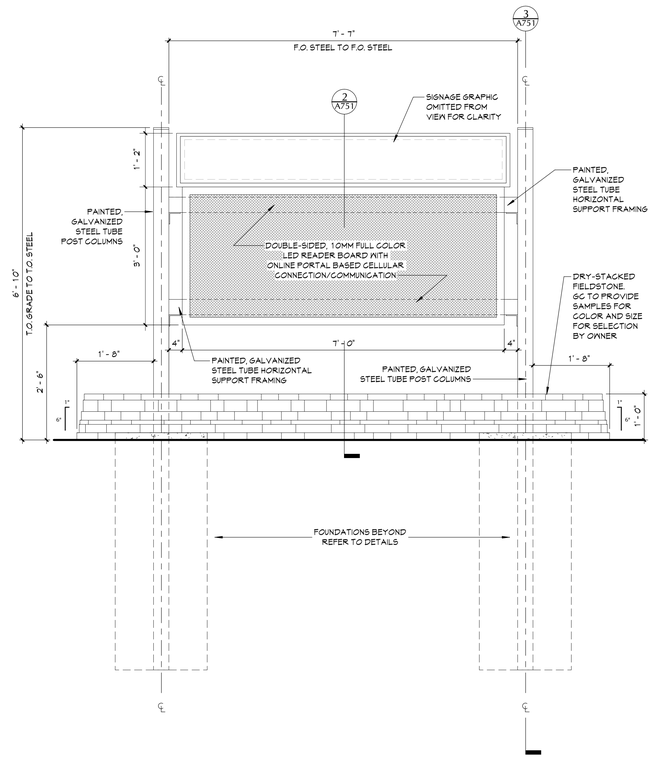
3 SECTION THROUGH LED SIGN PIER

A751 3/4" = 1'-0"



2 LED SIGN SECTION

A751 3/4" = 1'-0"



1 LED SIGN ELEVATION

A751 3/4" = 1'-0"

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CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

Project Title

REGISTERED ARCHITECT THOMAS M. FITZPATRICK 023344 STATE OF NEW YORK

#	DATE	DESCRIPTION

Drawn By:	CSA
Checked By:	CSA
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
Construction Documents:	1/13/23

Sheet Title

SITE SIGNAGE DETAILS

Sheet No.

CSHS
A751

CONSTRUCTION DOCUMENTS

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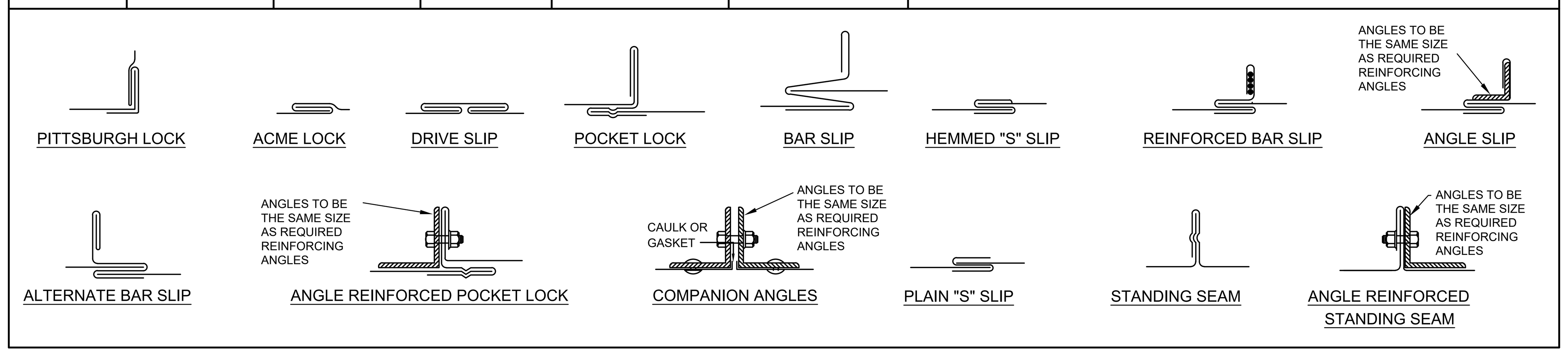
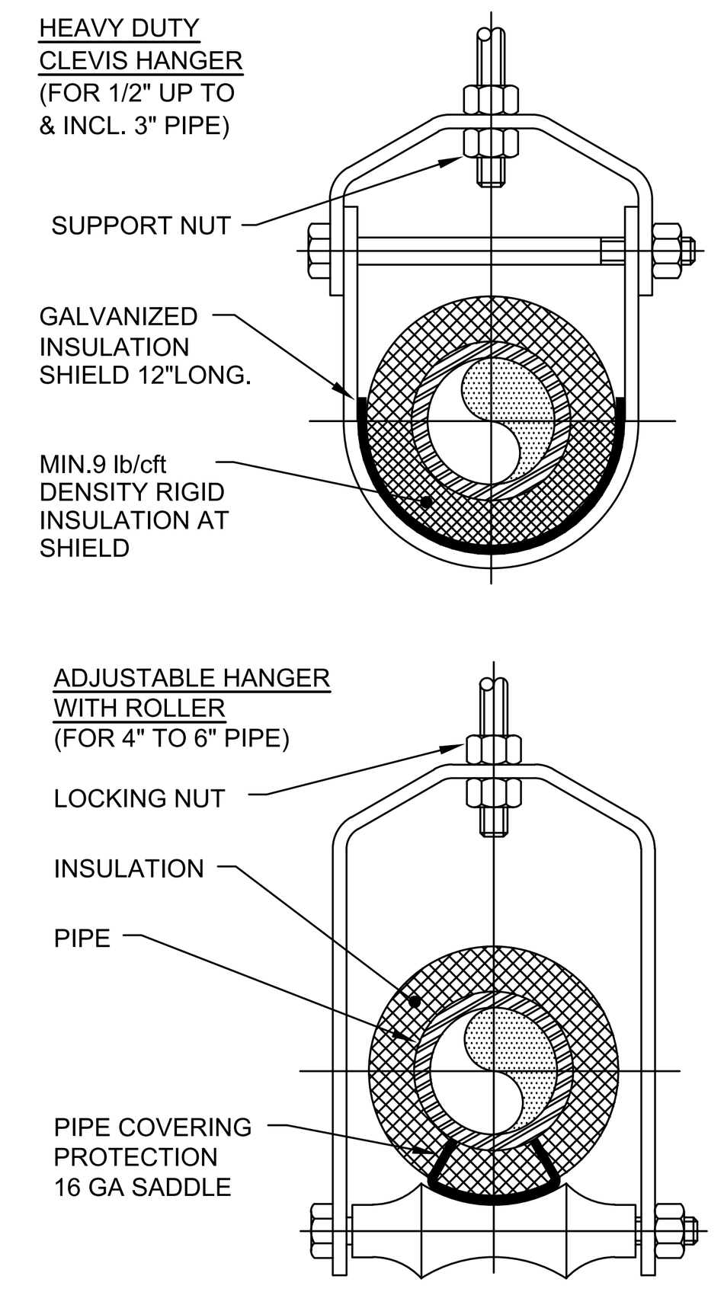
THICKNESS & REINFORCING SCHEDULE - * LOW PRESSURE DUCTWORK

* NOTE: LOW PRESSURE DUCTWORK SHALL BE DUCTWORK IN WHICH THE PRESSURE DOES NOT EXCEED 2" WATER GAUGE.

GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B & S GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020°)	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
13" THRU 18"	24	22(0.025°)	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
19" THRU 30"	24	22(0.025°)	PITTSBURGH OR ACME LOCK	HEMMED "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR 1" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"X1"X1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
31" THRU 42"	22	20(0.032°)	PITTSBURGH OR ACME LOCK	DRIVE SLIP 18" OR LESS BAR SLIP REIN-FORCED BAR SLIP OR POCKET LOCK	BAR SLIP OR REIN-FORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"X1"X1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
43" THRU 54"	22	20(0.032°)	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR RE-INFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR RE-INFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"X1"X1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
55" THRU 60"	20	18(0.040°)	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR RE-INFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR RE-INFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"X1"X1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
61" THRU 84"	20	18(0.040°)	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTER-NATE BAR SLIP, OR AN-GLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTER-NATE BAR SLIP, OR AN-GLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"X1 1/2"X1/8" ANGLES ON 2'-0" CENTERS. SIDES UNDER 60" NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"X 1 1/2"X1/8" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	16(0.051°) (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	1 1/2" COMPANOIN AN-GLES, OR ANGLE RE-INFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	1 1/2" COMPANOIN AN-GLES, OR ANGLE RE-INFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 84" WITH 1 1/2"X1 1/2"X3/16" ANGLES ON 2'-0" CENTERS. SIDES 61" THRU 84" REINFORCE WITH 1 1/2"X1 1/2"X1/8" ANGLES ON 2'-0" CENTERS. SIDES 60" OR LESS NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"X 1 1/2"X1/8" ANGLES ON 4'-0" CENTERS.
OVER 96"	18	16(0.051°) (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	2" COMPANOIN ANGLE, OR 2"X2"X1/4" ANGLE SLIP, OR 2"X2"X1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"X2"X1/4" ANGLE SLIP, OR 2"X2"X1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"X2"X1/4" ANGLES ON 2'-0" CENTERS REINFORCE ALL SIDES 85" THRU 96" WITH 1 1/2"X1 1/2"X3/16" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 61" THRU 84" WITH 1 1/2"X1 1/2"X1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"X1 1/2"X1/8" AN-GLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.

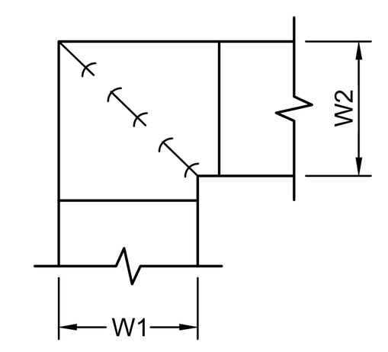




NOTES:
1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

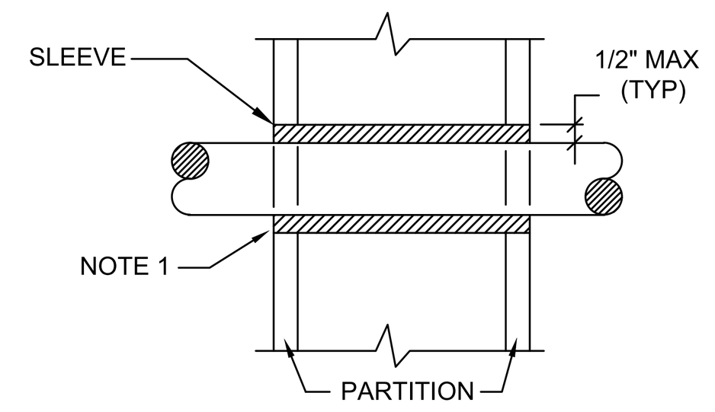
PIPE Ø (IN.)	MAX. SPACING BETWEEN HANGERS (FT.)			MIN. ROD SIZE (IN.)
	STEEL PIPE	COPPER PIPE	CPVC	
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8

1 / M101 — Pipe Hanger Support
N.T.S.



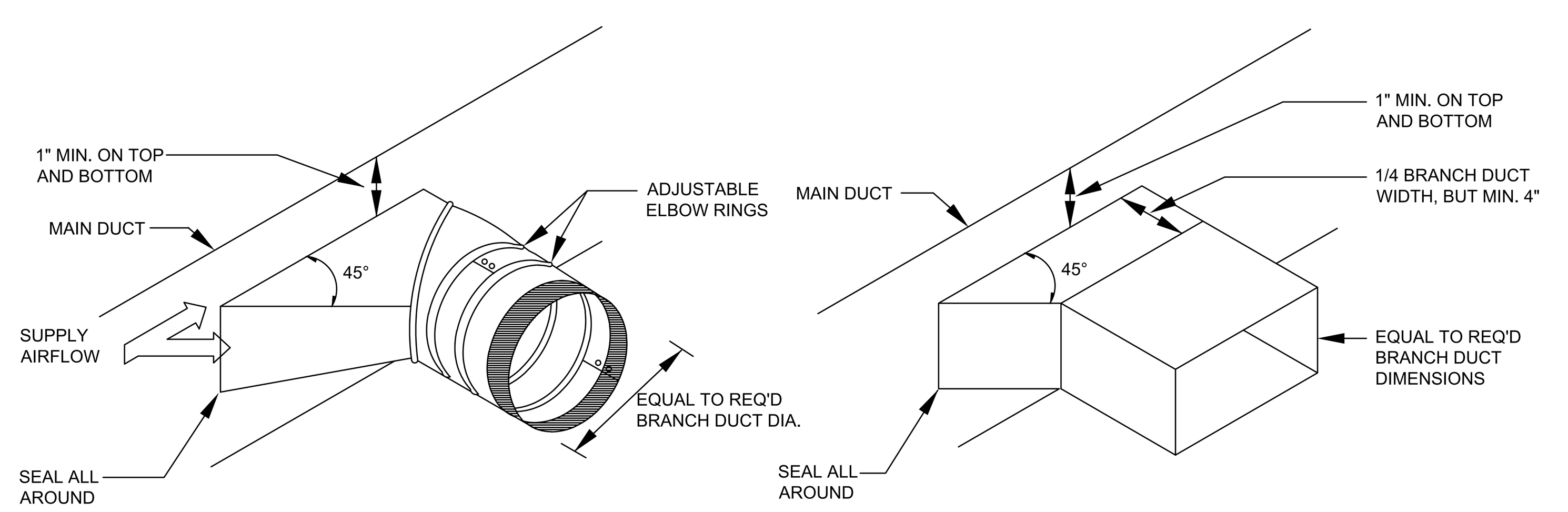
NOTE:
1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 IS NOT EQUAL TO W2, VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE VANES SHALL HAVE A 2" RADIUS, 1-1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

2 / M101 — Ductwork Squared Elbow Detail
N.T.S.

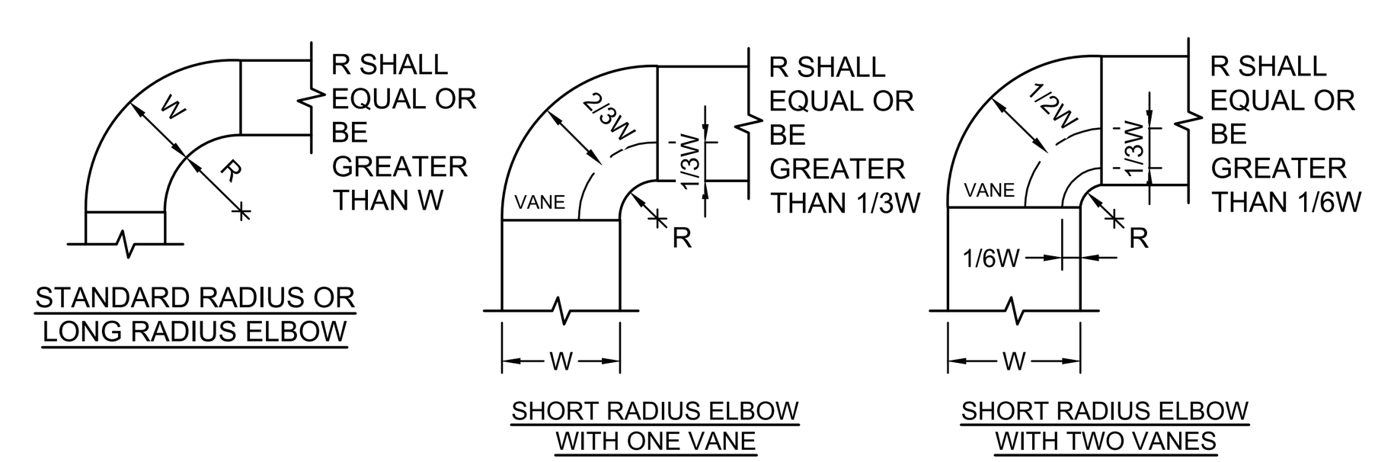


NOTES:
1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

3 / M101 — Pipe Penetrations Detail
N.T.S.

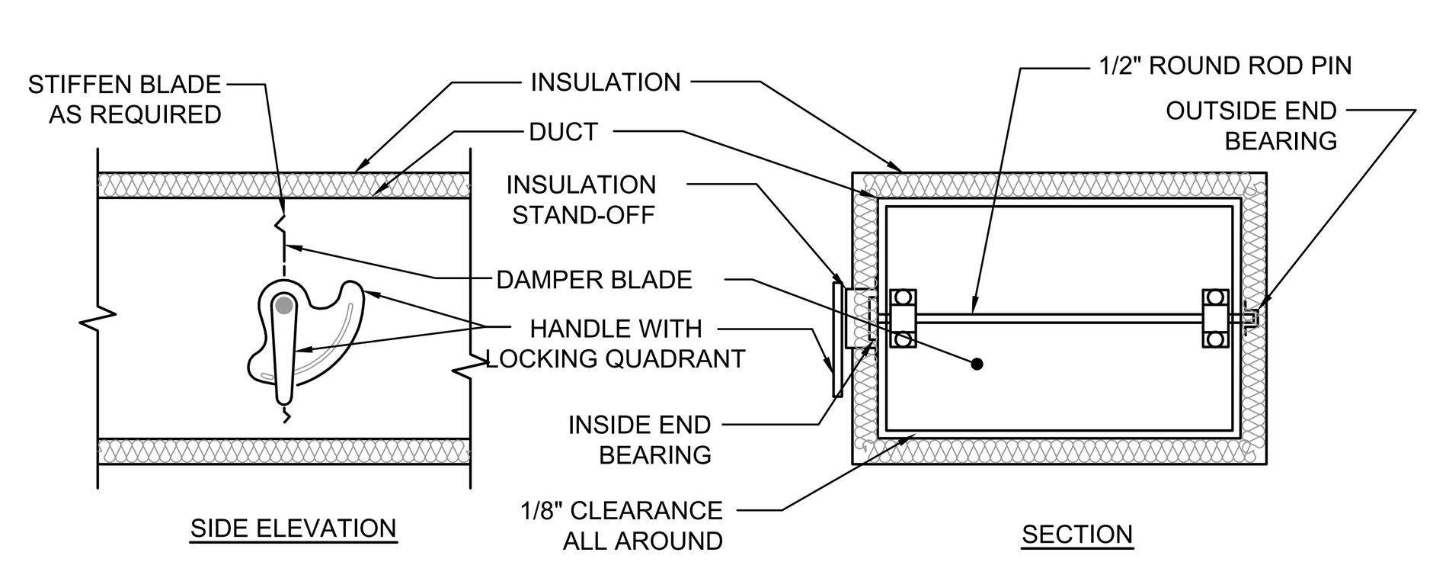


4 / M101 — Typical Branch Take-Off Fitting Detail
N.T.S.



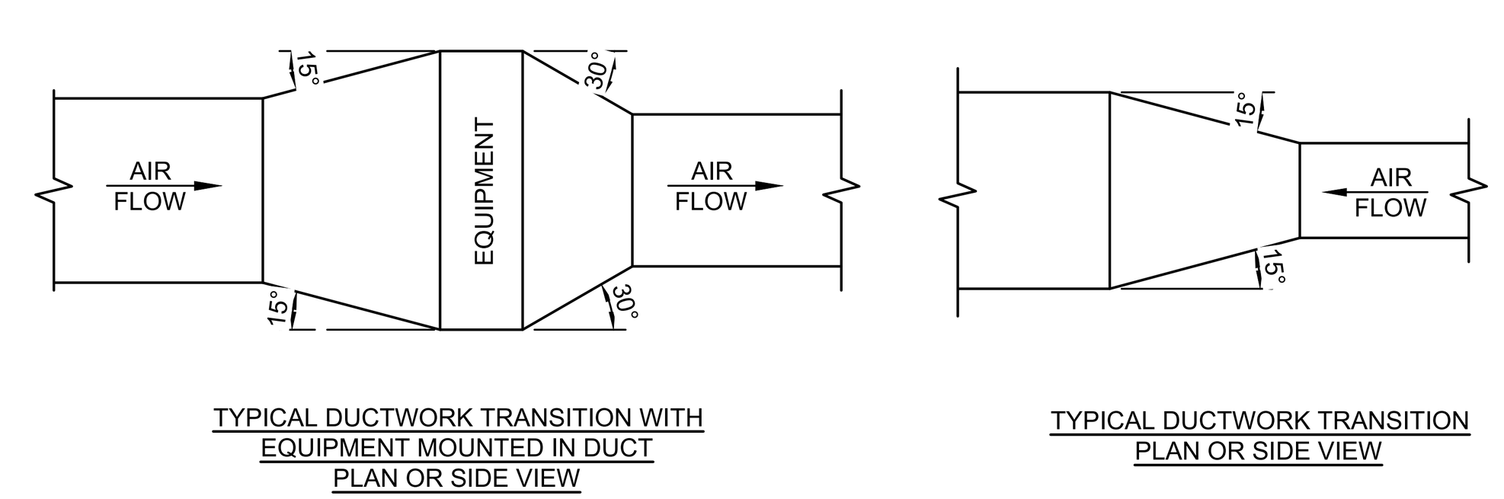
NOTE:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

5 / M101 — Ductwork Radius Elbow Detail
N.T.S.



NOTE:
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE-BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

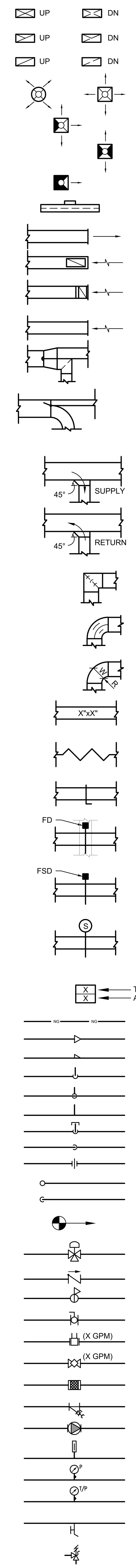
6 / M101 — Ductwork Volume Damper Detail
N.T.S.



NOTE:
UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

7 / M101 — Ductwork Transition Detail
N.T.S.

Mechanical Legend :



- SUPPLY DUCT (UP & DOWN)
- EXHAUST DUCT (UP & DOWN)
- RETURN DUCT (UP & DOWN)
- ROUND AND SQUARE 4-WAY CEILING DIFFUSERS
- SQUARE 3-WAY CEILING DIFFUSERS
- SQUARE 2-WAY CEILING DIFFUSERS
- SQUARE 1-WAY CEILING DIFFUSERS
- LINEAR SLOT DIFFUSER
- SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN CEILING REGISTER OR GRILLE
- EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
- VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
- MANUAL SPLITTER DAMPER
- STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- VANED ELBOW (SHORT RADIUS)
- STANDARD RADIUS ELBOW (LONG RADIUS); INSIDE RADIUS R TO BE EQUAL TO OR GREATER THAN W
- NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
- FLEXIBLE DUCTWORK (INSULATED)
- MANUAL VOLUME DAMPER
- FIRE DAMPER
- COMBINATION FIRE SMOKE DAMPER
- DUCT SMOKE DETECTOR
- TERMINAL UNIT TAG
- AIRFLOW (CUBIC FEET PER MINUTE)
- NATURAL GAS PIPING
- CONCENTRIC REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- PIPE UP
- PIPE DOWN
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- 3-WAY MODULATING CONTROL VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE (PRV)
- FULL PORT BALL VALVE
- MANUAL BALANCE VALVE (CIRC. SETTER)
- AUTOMATIC BALANCE VALVE (FLO-SETTER)
- FLEXIBLE PIPING CONNECTION
- WYE STRAINER W/ VALVE & HOSE CONN.
- INLINE PUMP
- THERMOMETER
- PRESSURE GAUGE
- TEMPERATURE & PRESSURE GAUGE
- DRAIN VALVE
- PRESSURE RELIEF VALVE

Mechanical Notes:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
8. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 MECHANICAL CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
9. ALL HYDRONIC HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH A MINIMUM OF R-3 INSULATION. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
10. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
11. ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR VENTS.
12. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYSTEM WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
13. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
14. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
15. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISERS AND AT HIGH POINTS OF THE PIPING SYSTEM.
16. INSTALL ALL HYDRONIC PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
17. THE ENTIRE HYDRONIC SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REPORT AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
18. ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL (EXCEPT WHERE OTHERWISE SPECIFIED) WITH GAUGES, BRACING AND CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
19. PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE OPPOSED BLADE DAMPER TYPE INSTALLED WITH AN OPERATOR AND LOCKING DEVICE. ALL DAMPERS LOCATED ABOVE HARD OR INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH REMOTE GEAR OPERATORS.
20. FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE DUCT PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR NOT SPECIFICALLY SHOWN. INSTALL DUCTWORK CASING ACCESS DOORS AND FRAMES AHEAD OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
21. INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
22. ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. THE CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES FLAT BLACK.
23. ALL SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES OR ABOVE CEILINGS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION. ALL DUCTWORK LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION. INSULATION SHALL BE FIBERGLASS DUCT WRAP WITH VAPOR SEAL SECURELY TAPED AROUND DUCT. IF DUCT LINING IS TO BE USED, ALL DUCT SIZES SHOWN SHALL BE CONSIDERED TO BE INSIDE CLEAR DIMENSIONS.
24. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
25. THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
26. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
27. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
28. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

Mechanical Equipment:

(T) WIRED THERMOSTAT COMPATIBLE WITH EXISTING BUILDING AUTOMATION SYSTEM; MOUNT 5'-0" A.F.F. IN LOCATIONS SHOWN ON PLANS

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

Project Title
CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

#	DATE	DESCRIPTION

Drawn By:	BJK
Checked By:	BJK
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
Construction Documents:	1/13/23

Sheet Title
MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

Sheet No.
CSHS M101

CONSTRUCTION DOCUMENTS

PACKAGED HVAC UNIT SCHEDULE

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AREA OF BUILDING SERVED	TOTAL SUPPLY AIRFLOW (CFM)	OUTSIDE AIR SUPPLIED (CFM)	SUPPLY FAN ESP (IN. H_2O)	EXHAUST FAN ESP (IN. H_2O)	COOLING CAPACITY @ 95°F OUTDOOR D.B.								RE-HEAT COIL			HEATING CAPACITY			AUXILIARY ELEC HTG CAP.				ENERGY RECOVERY				ELECTRICAL DATA												TOTAL WEIGHT (LB)	NOTES
								GROSS TOTAL CAPACITY (MBH)	GROSS SENSIBLE CAPACITY (MBH)	GROSS LATENT CAPACITY (MBH)	RATED EFFICIENCY		COIL E.A.T.		UNIT L.A.T.		CAPACITY (MBH)	UNIT L.A.T.		TOTAL CAPACITY @ 5°F (MBH)	E.A.T. DB (°F)	L.A.T. DB (°F)	TOTAL CAPACITY @ 0°F (MBH)	INPUT (kW)	E.A.T. DB (°F)	L.A.T. DB (°F)	SUMMER EFF.		WINTER EFF.		SUPPLY FAN MOTOR			EXH. FAN MOTOR			UNIT POWER							
											EER	COP @ 47°F	DB (°F)	WB (°F)	DB (°F)	WB (°F)		DB (°F)	WB (°F)								ENTH.	SENS.	ENTH.	SENS.	EFF.	HP	RPM	EFF.	HP	RPM	VOLT	PHASE	Hz.	MCA	MOCP		
RTU-1	AAON	RN-015-3-0-H609-12A; VECD-D0B-DSF-FGA-0HEAHLD-00-D0A0000VB	FITNESS & WEIGHT ROOM	4,000	1,000	0.75	0.50	163.8	120.3	43.4	10.2	3.08	76.2	62.8	49.7	48.4	95	70	56.9	135.2	65.7	85.3	68.3	20	65.3	81.1	76.4%	74.1%	76.2%	74.9%	67.2%	5	1760	59.4%	2	1760	460	3	60	46	50	2,269	NOTES 1 THRU 12

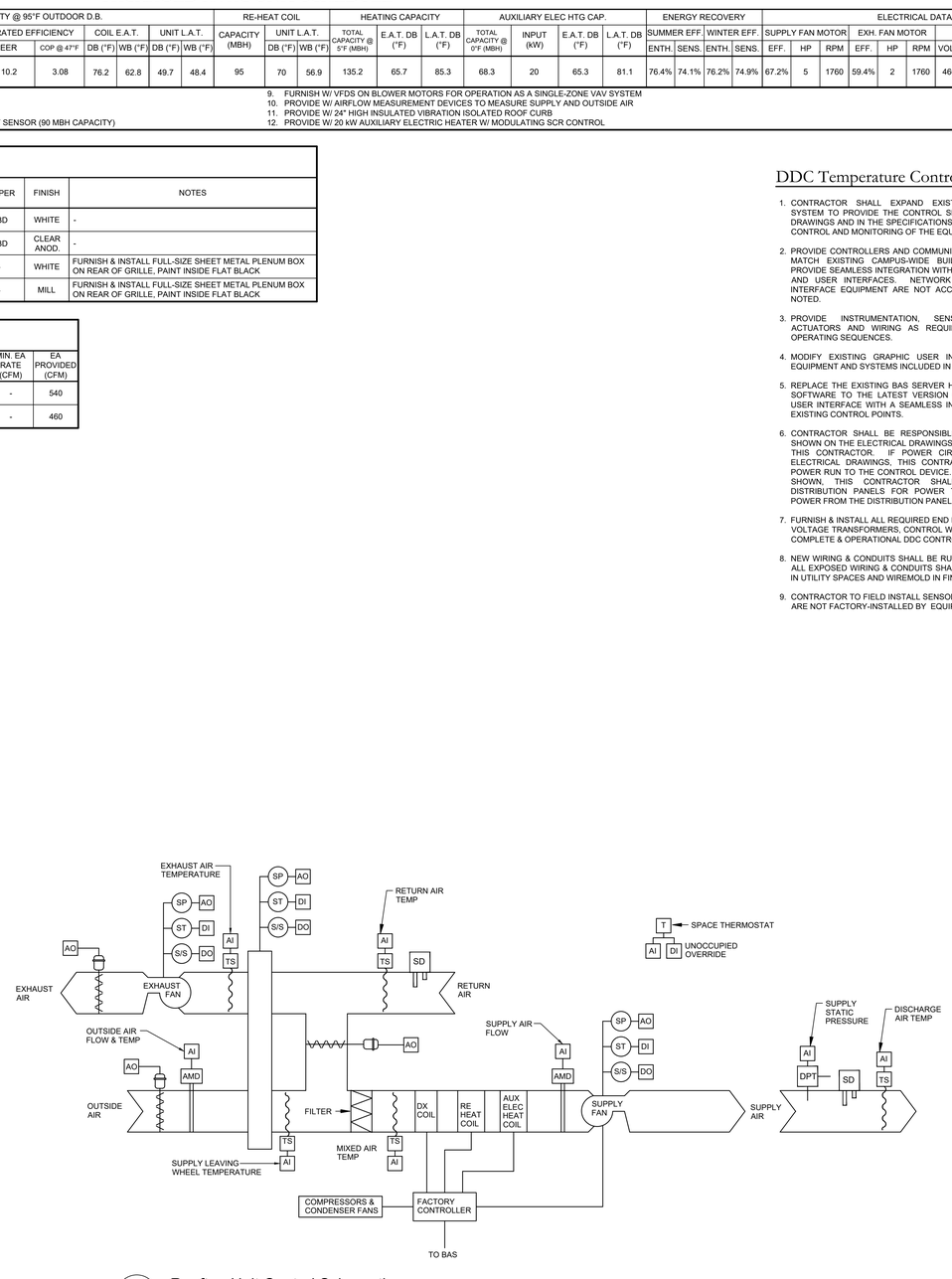
1. ELECTRICAL CONNECTION TO BE SINGLE POINT
2. FURNISH & INSTALL WITH DISCONNECT SWITCH & FIELD POWERED CONVENIENCE RECEPTACLE
3. FURNISH & INSTALL CONDENSATE DRAIN WITH 2" DEEP VENTED TRAP
4. FURNISH & INSTALL WITH DIFFERENTIAL ENTHALPY CONTROL ECONOMIZER AND POWERED EXHAUST
5. FURNISH & INSTALL 2" MERV 8 & 4" MERV 13 FILTERS
6. FURNISH W/ LOW AMBIENT COOLING CAPABILITY
7. FURNISH W/ ENERGY RECOVERY WHEEL W/ BYPASS DAMPER
8. FURNISH W/ MODULATING HOT GAS REHEAT W/ DUCT HUMIDITY SENSOR (90 MBH CAPACITY)
9. FURNISH W/ VFDS ON BLOWER MOTORS FOR OPERATION AS A SINGLE-ZONE VAV SYSTEM
10. PROVIDE W/ AIRFLOW MEASUREMENT DEVICES TO MEASURE SUPPLY AND OUTSIDE AIR
11. PROVIDE W/ 24" HIGH INSULATED VIBRATION ISOLATED ROOF CURB
12. PROVIDE W/ 20 kW AUXILIARY ELECTRIC HEATER W/ MODULATING SCR CONTROL

AIR GRILLE/DIFFUSER SCHEDULE

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	AIRFLOW (CFM)		MAX AIR PRESS. DROP (IN. W.C.)	MOUNTING	PANEL/FRAME SIZE (IN.)	NECK SIZE (IN.)	MAX NC	DAMPER	FINISH	NOTES
				MIN.	MAX.								
D-1	KRUEGER	PLQ-10-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	301	450	0.10	LAY-IN	24"x24"	10"Ø	20	OBD	WHITE	-
D-2	KRUEGER	5DMGDR-H-10-6-10-01-81	DUCT MOUNTED SUPPLY GRILLE	0	200	0.10	DUCT MTD.	12"x8"	10"x6"	20	OBD	CLEAR ANOD.	-
R-1	KRUEGER	S80P-20x20-F23-24x24-00-00-00-44	PERFORATED FACE RETURN GRILLE	0	1,600	0.10	LAY-IN	24"x24"	20"x20"	25	-	WHITE	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE, PAINT INSIDE FLAT BLACK
R-2	KRUEGER	S80H-30x18-F22-NONE-00-00-00-01	35° DEFLECTION RETURN GRILLE	0	1,300	0.10	DUCT MTD.	32"x20"	30"x18"	25	-	MILL	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE, PAINT INSIDE FLAT BLACK

VENTILATION SCHEDULE

SYSTEM	SPACE SERVED	SPACE TYPE	SPACE AREA (SQ. FT.)	OCCUPANTS PER 1000 SQ. FT.	# OF OCCUPANTS (NOTE 1)	CFM PER PERSON	CFM PER SQ. FT.	CALCULATED VENTILATION RATE (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ADJUSTED VENTILATION RATE (CFM)	PROVIDED VENTILATION RATE (CFM)	EA CFM PER FIXTURE	EA CFM PER SQ. FT.	MIN. EA RATE (CFM)	EA PROVIDED (CFM)
RTU-1	WEIGHT ROOM	WEIGHT RM	1362	10	14	20	0.06	362	0.8	537	540	-	-	-	540
	FITNESS ROOM	AEROBICS RM	488	40	20	20	0.06	429	0.8	452	460	-	-	-	460



1 M102 Rooftop Unit Control Schematic
N.T.S.

DDC Temperature Control Notes:

1. CONTRACTOR SHALL EXPAND EXISTING BUILDING AUTOMATION SYSTEM TO PROVIDE THE CONTROL SEQUENCES SPECIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS. THE SYSTEM SHALL PROVIDE CONTROL AND MONITORING OF THE EQUIPMENT INDICATED.
2. PROVIDE CONTROLLERS AND COMMUNICATIONS INFRASTRUCTURE TO MATCH EXISTING CAMPUS-WIDE BUILDING AUTOMATION SYSTEM. PROVIDE SEAMLESS INTEGRATION WITH EXISTING CONTROL NETWORK AND USER INTERFACES. NETWORK GATEWAYS AND PROTOCOL INTERFACE EQUIPMENT ARE NOT ACCEPTABLE UNLESS OTHERWISE NOTED.
3. PROVIDE INSTRUMENTATION, SENSORS, VALVES, DAMPERS, ACTUATORS AND WIRING AS REQUIRED TO PROVIDE SPECIFIED OPERATING SEQUENCES.
4. MODIFY EXISTING GRAPHIC USER INTERFACES TO INCLUDE ALL EQUIPMENT AND SYSTEMS INCLUDED IN THIS PROJECT.
5. REPLACE THE EXISTING BAS SERVER HARDWARE AND UPGRADE THE SOFTWARE TO THE LATEST VERSION OF WEB-ENABLED GRAPHICAL USER INTERFACE WITH A SEAMLESS INTEGRATION OF THE NEW AND EXISTING CONTROL POINTS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER THAT IS NOT SHOWN ON THE ELECTRICAL DRAWINGS, TO CONTROLS FURNISHED BY THIS CONTRACTOR. IF POWER CIRCUITS ARE SHOWN ON THE ELECTRICAL DRAWINGS, THIS CONTRACTOR SHALL CONTINUE THE POWER RUN TO THE CONTROL DEVICE. IF POWER CIRCUITS ARE NOT SHOWN, THIS CONTRACTOR SHALL PROVIDE BREAKERS AT DISTRIBUTION PANELS FOR POWER TO CONTROLS AND PROVIDE POWER FROM THE DISTRIBUTION PANEL TO THE CONTROL DEVICES.
7. FURNISH & INSTALL ALL REQUIRED END DEVICES, POWER SUPPLY, LOW VOLTAGE TRANSFORMERS, CONTROL WIRING & CONDUITS, ETC. FOR A COMPLETE & OPERATIONAL DDC CONTROL SYSTEM.
8. NEW WIRING & CONDUITS SHALL BE RUN CONCEALED ABOVE CEILING. ALL EXPOSED WIRING & CONDUITS SHALL BE RUN CONCEALED IN EMT IN UTILITY SPACES AND WIREMOLD IN FINISHED AREAS.
9. CONTRACTOR TO FIELD INSTALL SENSORS, CONTROLLERS, ETC. WHICH ARE NOT FACTORY-INSTALLED BY EQUIPMENT MANUFACTURERS.

DDC Temperature Control Legend:

AI	ANALOG INPUT
AO	ANALOG OUTPUT
AQ	AQUASTAT (SPDT)
AMD	AIR FLOW MEASUREMENT DEVICE (ANALOG)
FS	FLOW SWITCH (DIGITAL)
A	CONTROL ACTUATOR CONTROL DAMPER OR VALVE
DPS	DIFFERENTIAL PRESSIRE SWITCH (SPDT)
DPT	DIFFERENTIAL PRESSIRE TRANSDUCER (ANALOG)
IAQ	INDOOR AIR QUALITY
MS	MAGNETIC STARTER
VFD	VARIABLE FREQUENCY DRIVE
R	CONTROL RELAY (24VAC-SPDT)
CT	CURRENT TRANSDUCER (ANALOG)
CS	CURRENT SWITCH (DIGITAL)
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
ES	END SWITCH (SPST)
RH	RELATIVE HUMIDITY SENSOR
CO	CARBON-MONOXIDE SENSOR
CO2	CARBON-DIOXIDE SENSOR
SW	WALL-MOUNTED SWITCH
TS	TEMPERATURE SENSOR (PROBE/IMMERSION)
TS	TEMPERATURE SENSOR (AVERAGING)
LLS	LOW-LIMIT TEMPERATURE SWITCH (SPDT)
SD	SMOKE DETECTOR (DUCT)
TC	THERMOSTAT SWITCH (SPDT)
XFMR	120/24VAC TRANSFORMER

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Project Title
CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

	DATE	DESCRIPTION

Drawn By:	BJK
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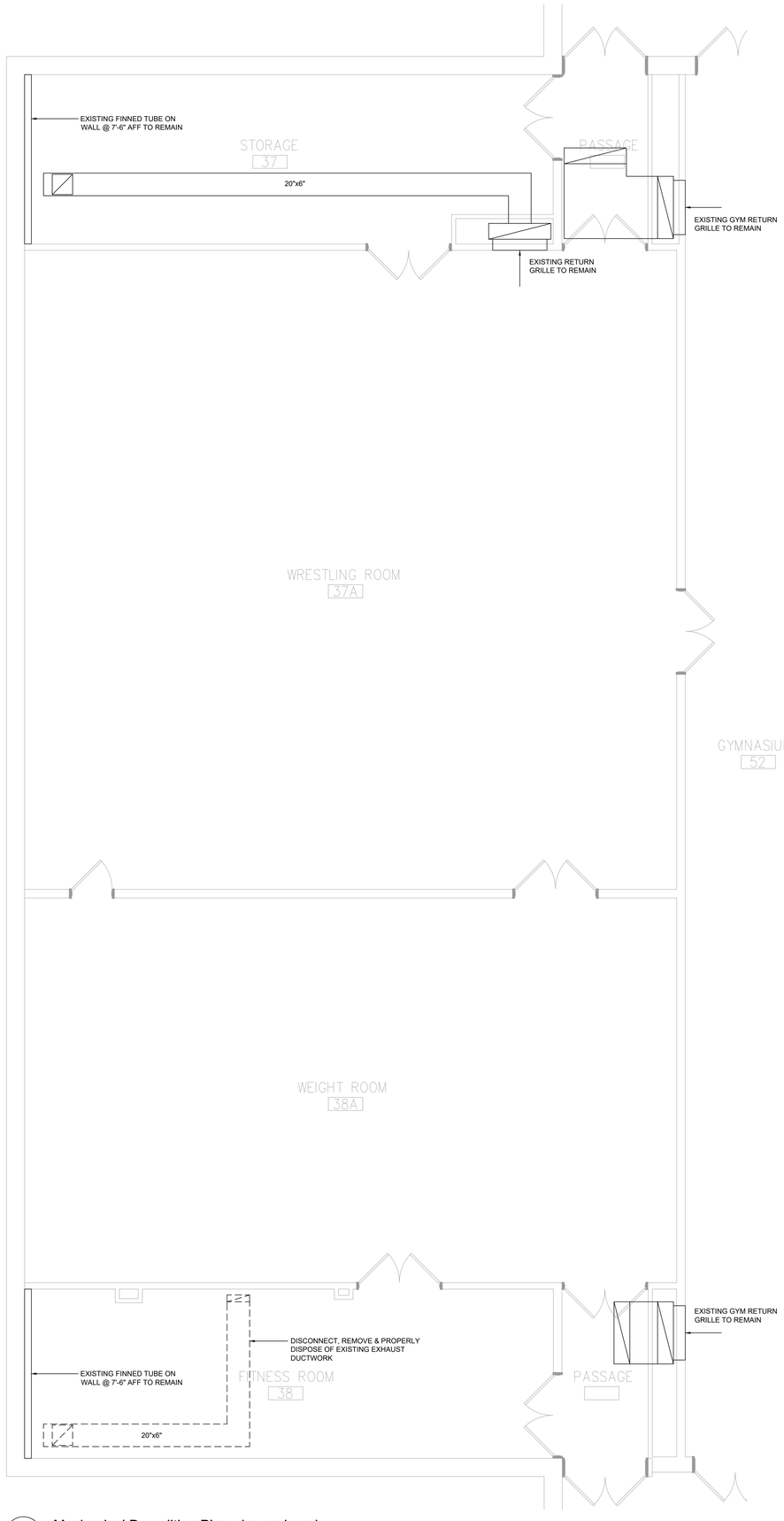
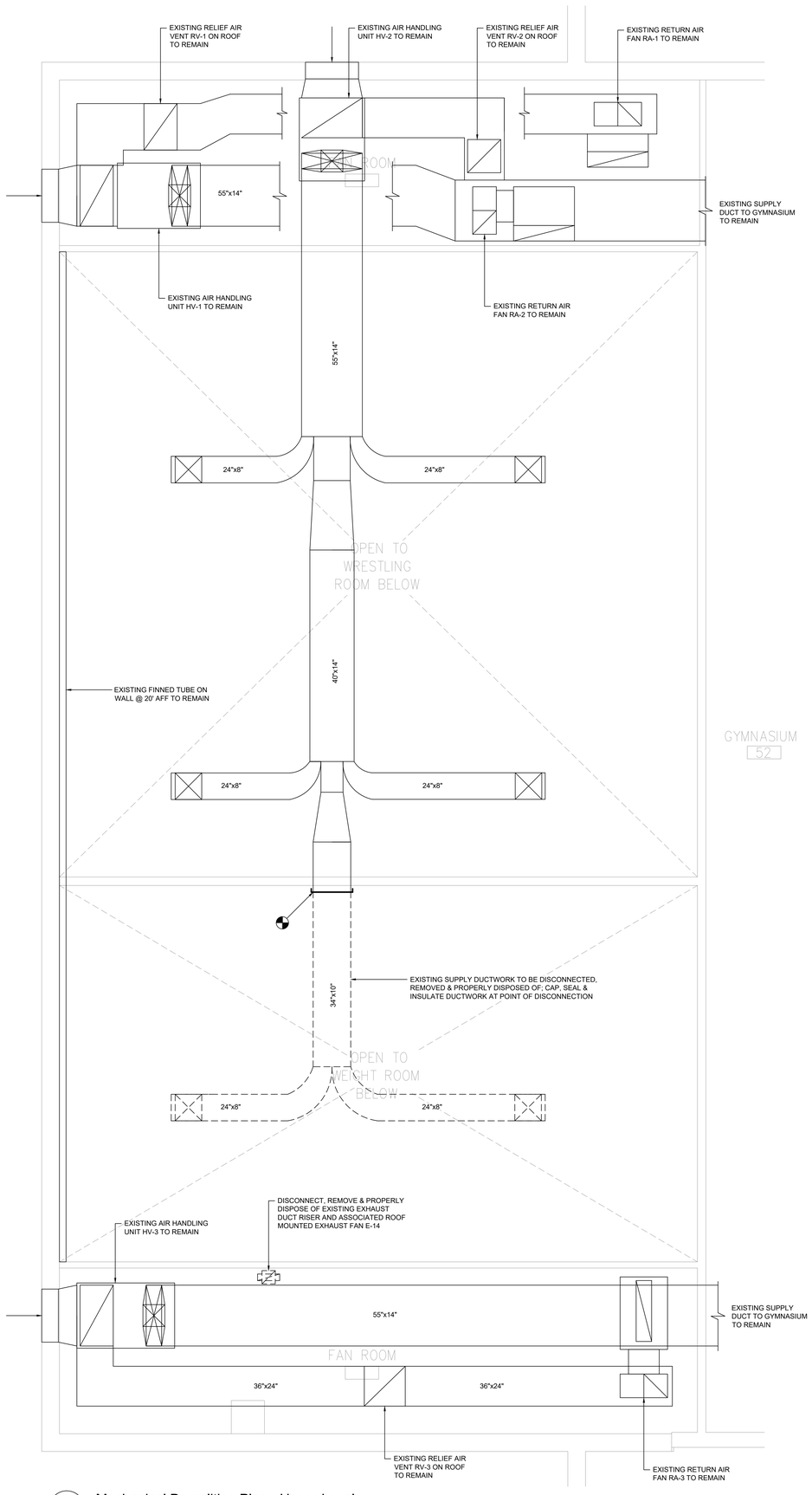
Sheet Title
MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

Sheet No.
CSHS M102

CONSTRUCTION DOCUMENTS



1 MD201 Mechanical Demolition Plan - Lower Level
Scale: 1/4" = 1'-0"



2 MD201 Mechanical Demolition Plan - Upper Level
Scale: 1/4" = 1'-0"

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Project Title
CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

STATE OF NEW YORK MATTHEW GEORGE BLAKE 090683 LICENSED PROFESSIONAL ENGINEER

DATE	DESCRIPTION

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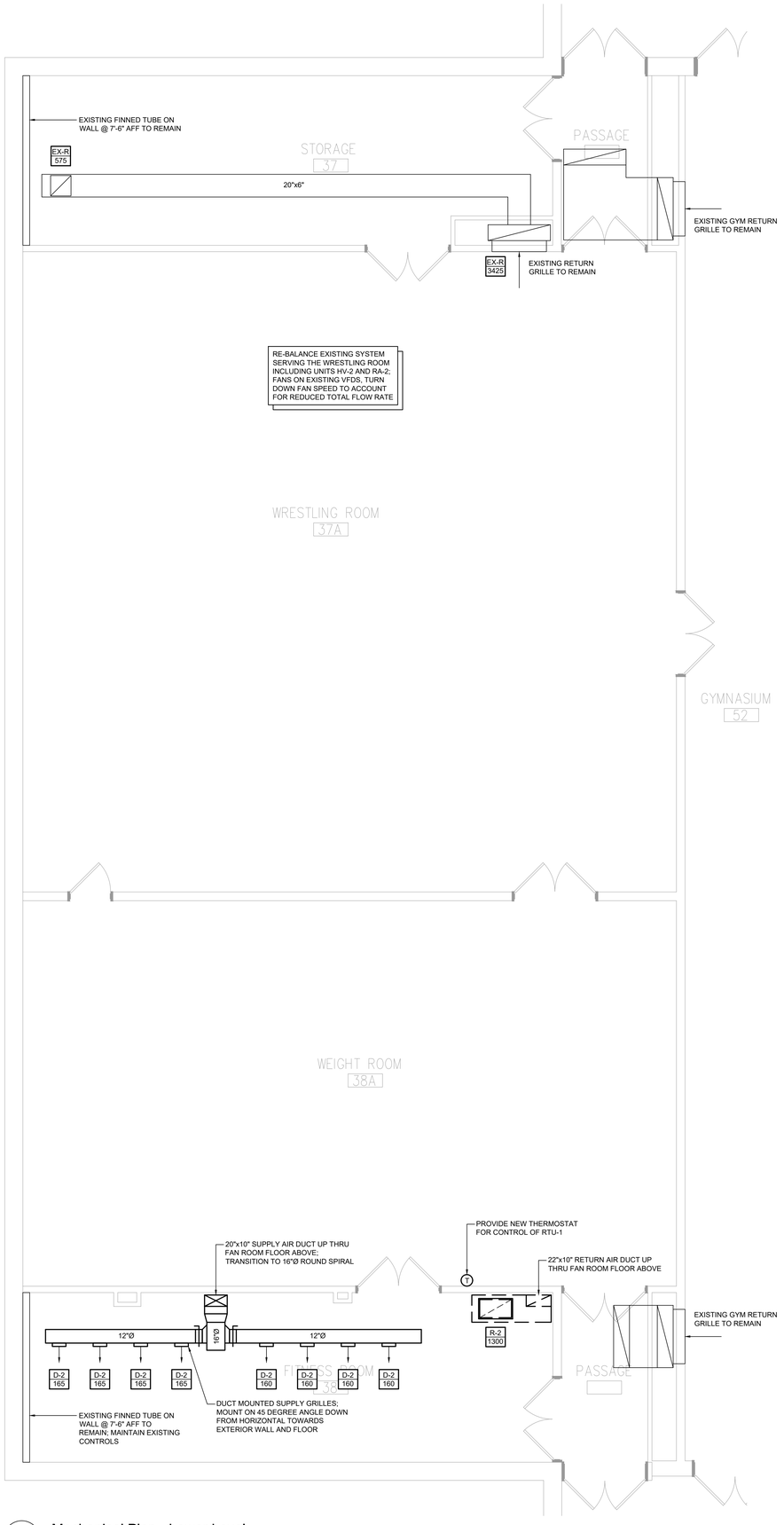
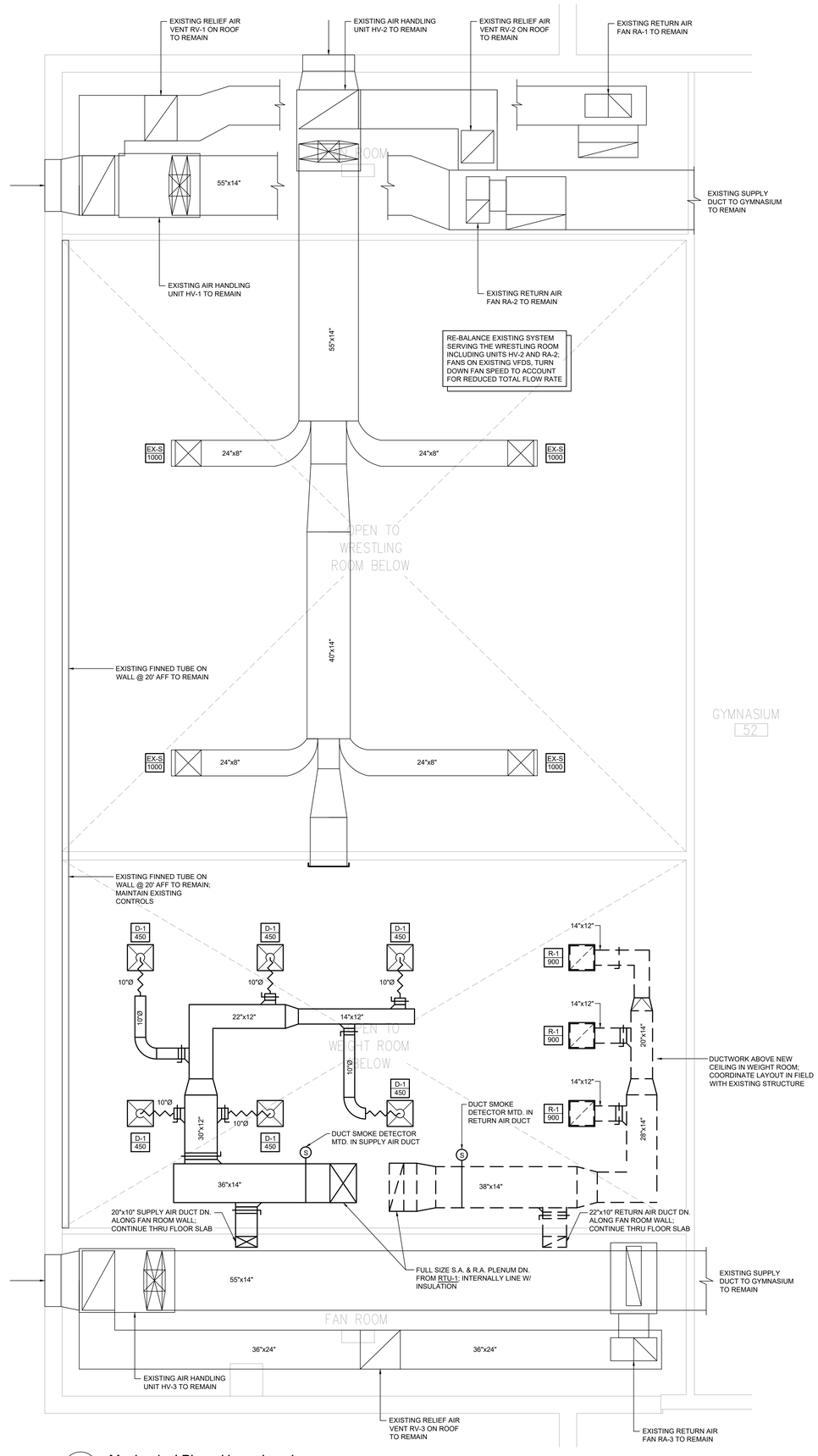
Sheet Title
MECHANICAL DEMOLITION PLANS

Sheet No.
CSHS MD201

CONSTRUCTION DOCUMENTS



1 M201 Mechanical Plan - Lower Level
Scale: 1/4" = 1'-0"



2 M201 Mechanical Plan - Upper Level
Scale: 1/4" = 1'-0"

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CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

Project Title

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 090683 · LICENSED PROFESSIONAL ENGINEER

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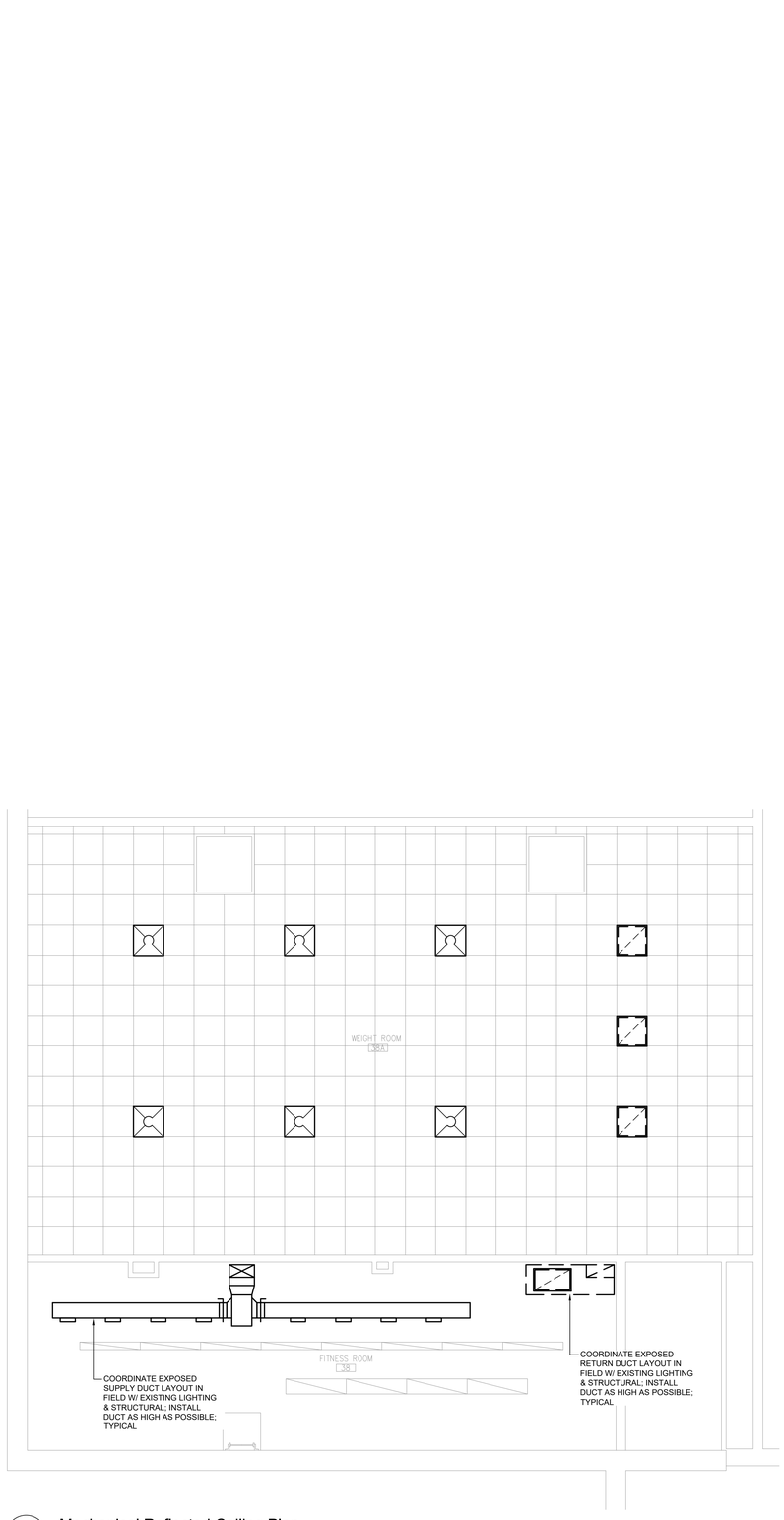
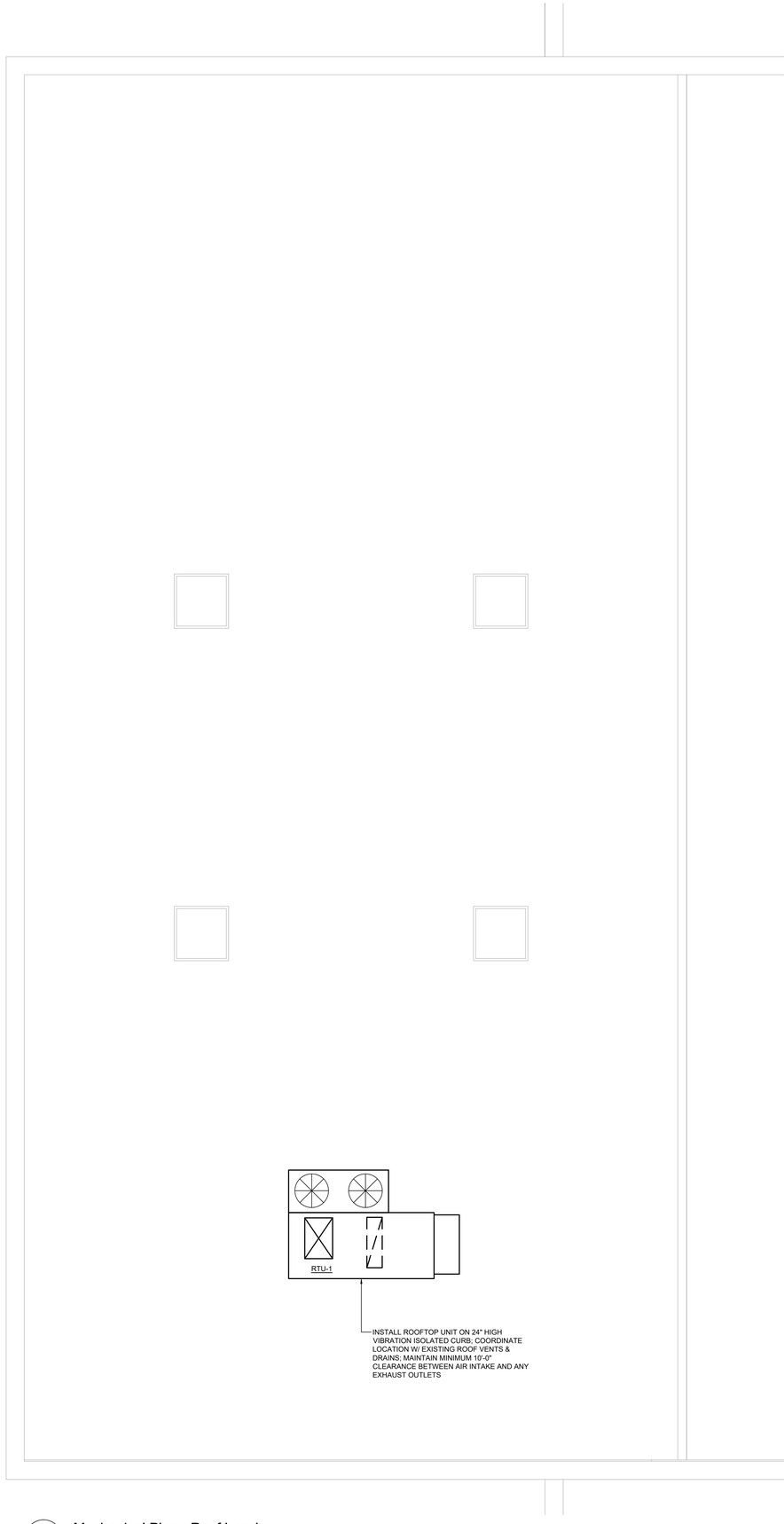
Sheet Title
MECHANICAL PLANS

Sheet No.
CSHS M201

CONSTRUCTION DOCUMENTS



1 M202 Mechanical Reflected Ceiling Plan
Scale: 1/4" = 1'-0"



2 M202 Mechanical Plan - Roof Level
Scale: 1/4" = 1'-0"

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Sheet Title
MECHANICAL REFLECTED CEILING AND ROOF PLANS

Sheet No.
CSHS M202

CONSTRUCTION DOCUMENTS

120/208V 3Ø 4W+G — BUS RATING: 225A — MLO

CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD
EXISTING LOAD	EXISTING	20	1				2			
			3				4	20	EXISTING	EXISTING LOAD
			5				6			
EXISTING LOAD	EXISTING	20	7				8			
			9				10	20	EXISTING	EXISTING LOAD
			11				12			
EXISTING LOAD	EXISTING	20	13				14			
			15				16	20	EXISTING	EXISTING LOAD
			17				18			
EXISTING LOAD	EXISTING	20	19				20			
			21				22	20	EXISTING	EXISTING LOAD
			23				24			
EXISTING LOAD	EXISTING	20	25				26			
			27				28	20	EXISTING	EXISTING LOAD
			29				30			
EXISTING LOAD	EXISTING	20	31				32			
			33				34	50	(3) #8 CU & (1) #10 GND.	RTU-1
			35				36			
SPACE	-	-	37				38	-	-	SPACE
SPACE	-	-	39				40	-	-	SPACE
SPACE	-	-	41				42	-	-	SPACE
EXISTING ZINSCO 277/480V 225A PANEL				-	-	-	- kVA TOTAL			

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY, CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

1 E101 — Existing Panelboard P1A-D
Scale: None

120/208V 3Ø 4W+G — BUS RATING: 225A — MLO

CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD
EXISTING LOAD	EXISTING	20	1				2	20	EXISTING	EXISTING LOAD
EXISTING LOAD	EXISTING	20	3				4	20	EXISTING	EXISTING LOAD
EXISTING LOAD	EXISTING	20	5				6	20	EXISTING	EXISTING LOAD
EXISTING LOAD	EXISTING	20	7				8	20	EXISTING	EXISTING LOAD
EXISTING LOAD	EXISTING	20	9				10	20	EXISTING	EXISTING LOAD
EXISTING LOAD	EXISTING	20	11				12	20	EXISTING	EXISTING LOAD
EXISTING LOAD	EXISTING	20	13				14	20	EXISTING	EXISTING LOAD
SPACE	-	-	15				16	20	(2) #12 CU & (1) #12 GND.	RTU-1 RECEPTACLE
SPACE	-	-	17				18	-	-	SPACE
SPACE	-	-	19				20	-	-	SPACE
EXISTING ZINSCO 120/208V 100A PANEL				-	-	-	- kVA TOTAL			

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY, CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

2 E101 — Existing Panelboard P1A-B
Scale: None

LIGHTING FIXTURE SCHEDULE

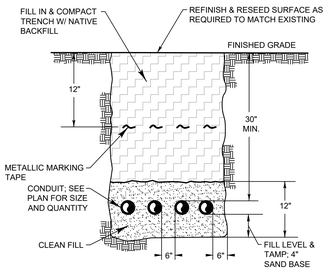
TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	MOUNTING	SIZE	NOTES
A	A	HE WILLIAMS RECESSED DIRECT/INDIRECT DIG-S22-L48/840-AD-DIM-UNV	LED	120	1	37.9	37.9	RECESSED	2'x2'	4000K COLOR TEMPERATURE

ELECTRICAL LEGEND:

- MOTOR
- EARTH GROUND
- JUNCTION BOX
- PB — PULL BOX
- FUSE WITH RATING
- MOLDED CASE CIRCUIT BREAKER
- DISCONNECT SWITCH, FUSED
- DISCONNECT SWITCH, UNFUSED
- STARTER, COMBINATION WITH DISCONNECT SWITCH
- STARTER OR MOTOR CONTROLLER
- M — METER
- 20A 120V DUPLEX CEILING MOUNTED RECEPTACLE
- 20A 120V DUPLEX WALL MOUNTED RECEPTACLE; 18" A.F.F. UNLESS OTHERWISE NOTED
- 20A 120V DUPLEX WALL MOUNTED RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
- 20A 120V QUADRAPLEX RECEPTACLE
- WALL MOUNTED SPECIAL PURPOSE RECEPTACLE
- USB — 20A 120V WALL MOUNTED USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL
- F — FLOOR BOX WITH STAINLESS COVER TYPICAL OF LEW EECTRIC #OB-1-SP OR ACCEPTABLE EQUAL; PUSH BUTTON OPEN; FULLY IP66 RATED WATER PROOF (WHEN IN CLOSED POSITION); W/ 20A 125V E60120 GFCI RECEPTACLE (UNLESS OTHERWISE NOTED)
- W — WALL PHONE OUTLET MTD. 48" A.F.F.; 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
- WALL BOX FOR TELEVISION CONNECTION; 1-1/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
- TELEPHONE/DATA COMMUNICATION BOX W/ (2) 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD; NO FACE PLATE
- BRANCH CIRCUIT HOMERUN; LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS; ONE SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
- $2 — SWITCH
  BLANK = SINGLE POLE; 2 = DOUBLE POLE
  3 = THREE-WAY; 4 = FOUR-WAY
  D = DIMMER; K = KEY OPERATED
  P = WITH PILOT LIGHT; PB= PUSH BUTTON
  T = TIMER OPERATED; WP= WEATHER PROOF
  X = EXPLOSION PROOF; OC= OCCUPANCY SENSOR
- OS — DUAL TECHNOLOGY OCCUPANCY SENSOR
- DS — DAYLIGHT SENSOR
- HORN/STROBE DEVICE, ONE ASSEMBLY; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
- STROBE DEVICE; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
- MANUAL PULL STATION; MTD. 48" A.F.F.
- WP — WATER FLOW SWITCH
- TS — VALVE TAMPER SWITCH
- X — DETECTOR; LETTER INDICATES AS FOLLOWS:
  BLANK = SMOKE DETECTOR
  P = PHOTOELECTRIC SMOKE
  M = MULTIPLE STATION SMOKE ALARM
  D = PHOTOELECTRIC DUCT SMOKE DETECTOR
  FSD = DUCT SMOKE DETECTOR FOR FIRE SMOKE DAMPER
- H — R — RATE OF RISE HEAT DETECTOR, 135°F
- CO — CARBON MONOXIDE DETECTOR; MTD. 60" A.F.F.
- FACP — ADDRESSABLE FIRE ALARM CONTROL PANEL
- FANP — FIRE ALARM ANNUNCIATOR PANEL
- RTS — REMOTE TEST SWITCH & LED FOR DUCT SMOKE DETECTORS
- R — FIRE ALARM RELAY

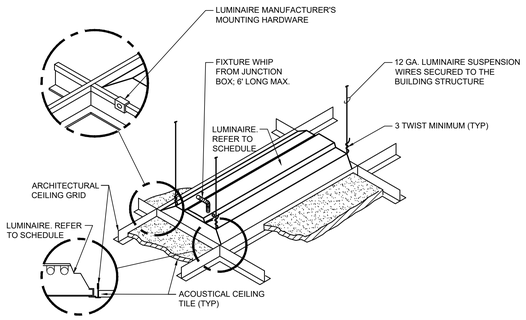
ELECTRICAL NOTES:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
8. EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
9. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2017 NATIONAL ELECTRIC CODE, 2020 BUILDING CODE OF NEW YORK STATE, 2020 FIRE CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
10. ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED FULLY LAMPED AND OPERABLE. THE CONTRACTOR SHALL TURN OVER TO THE OWNER SPARE LAMPS OF EVERY TYPE ON THE PROJECT IN AN AMOUNT NOT LESS THAN 20% OF THE TOTAL NUMBER OF EACH TYPE (MINIMUM 1 PER TYPE).
11. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL UTILITY COMPANY AND/OR THE TELEPHONE COMPANY. ALL WORK INVOLVING THE UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
12. ALL CONDUCTORS SHALL BE COPPER, SHALL NOT BE LESS THAN #12 AWG, AND SHALL NOT EXCEED 70 FEET FROM PANEL BOARD TO FURTHEST CONNECTION UNLESS OTHERWISE NOTED ON PLANS.
13. LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
14. CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH & INSTALL ALL SMALL DETAILS AND INCIDENTAL WORK NOT SHOWN OR SPECIFIED, BUT WHICH CAN BE REASONABLY INFERRED AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OF HIGH QUALITY MEETING ALL APPLICABLE CODES AND REGULATIONS.
15. FOR EACH NEW OR MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT ALL CIRCUITING. ADDITIONALLY, THE CONTRACTOR SHALL LABEL (WITH A PERMANENT MARKER OR LABEL) EACH RECEPTACLE ON THE INSIDE OF EACH FACE PLATE WITH PANEL AND CIRCUIT NUMBER DESIGNATION.
16. MINIMUM REQUIREMENT FOR EQUIPMENT GROUNDING SHALL BE GOVERNED BY THE NEC. ALL GROUNDS, BONDING, ETC. SHALL MEET THESE REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS.
17. ALL CONDUIT AND CABLE SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
18. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, WIRING, DEVICES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
19. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.



NOTE:
TRENCHES MAY ALSO BE STACKED INTO ROWS; MAINTAIN 6" CLEARANCE BETWEEN CONDUITS.

3 E101 — Typical Conduit Trench Detail
N.T.S.



GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

4 E101 — Luminaire Mounting Detail - Lay-In Ceiling
Scale: None

WIRE COLOR CODING TABLE

PHASE	WIRES	VOLTAGE	L1	L2	L3	NEUTRAL	GROUND
1	2 (1)	120	BLACK	-	-	WHITE	-
1	2 (1)	208	BLACK	RED	-	-	-
1	3	120	BLACK	-	-	WHITE	GREEN (2)
1	3	208	BLACK	RED	-	-	GREEN (2)
3	4	208	BLACK	RED	BLUE	-	GREEN (2)
3	5	208	BLACK	RED	BLUE	WHITE	GREEN (2)
1	3	277	BROWN	-	-	GRAY	GREEN (2)
1	3	480	BROWN	ORANGE	-	-	GREEN (2)
3	4	480	BROWN	ORANGE	YELLOW	-	GREEN (2)
3	5	480	BROWN	ORANGE	YELLOW	GRAY	GREEN (2)

NOTES:
1. FOR DOUBLE INSULATED EQUIPMENT ONLY.
2. GREEN/YELLOW MAY BE USED:
   - GREEN/YELLOW SHALL BE GREEN WITH ONE OR MORE YELLOW STRIPES.
   - GREEN = 50 TO 70%, YELLOW = 50 TO 30%.
   - GREEN/YELLOW IS THE ONLY COLOR INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR.
   - GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.

DEVICE MOUNTING HEIGHTS

POWER RECEPTACLES (INTERIOR)	18" A.F.F.
POWER RECEPTACLES (EXTERIOR)	36" A.F.G.
POWER RECEPTACLES (@ COUNTER)	44" A.F.F.
LIGHT SWITCHES	44" A.F.F. TO TOP OF DEVICE
DISCONNECT SWITCHES	SEE NEC 404.8(A)
TELEPHONE/DATA RECEPTACLES	18" A.F.F.
TELEPHONE/DATA RECEPTACLES (@ COUNTER)	44" A.F.F.
WALL TELEPHONE RECEPTACLES	48" A.F.F. TO TOP OF DEVICE
FIRE ALARM PULL STATIONS	42" A.F.F. MIN./44" A.F.F. MAX.
FIRE ALARM AUDIO/VISUAL DEVICES	80" A.F.F. MIN./96" A.F.F. MAX.
EXIT LIGHTS (WALL MOUNTED)	12" ABOVE DOOR
EMERGENCY LIGHTS (WALL MOUNTED)	90" A.F.F.
TV & A/V OUTLETS	18" A.F.F.

NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED

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CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

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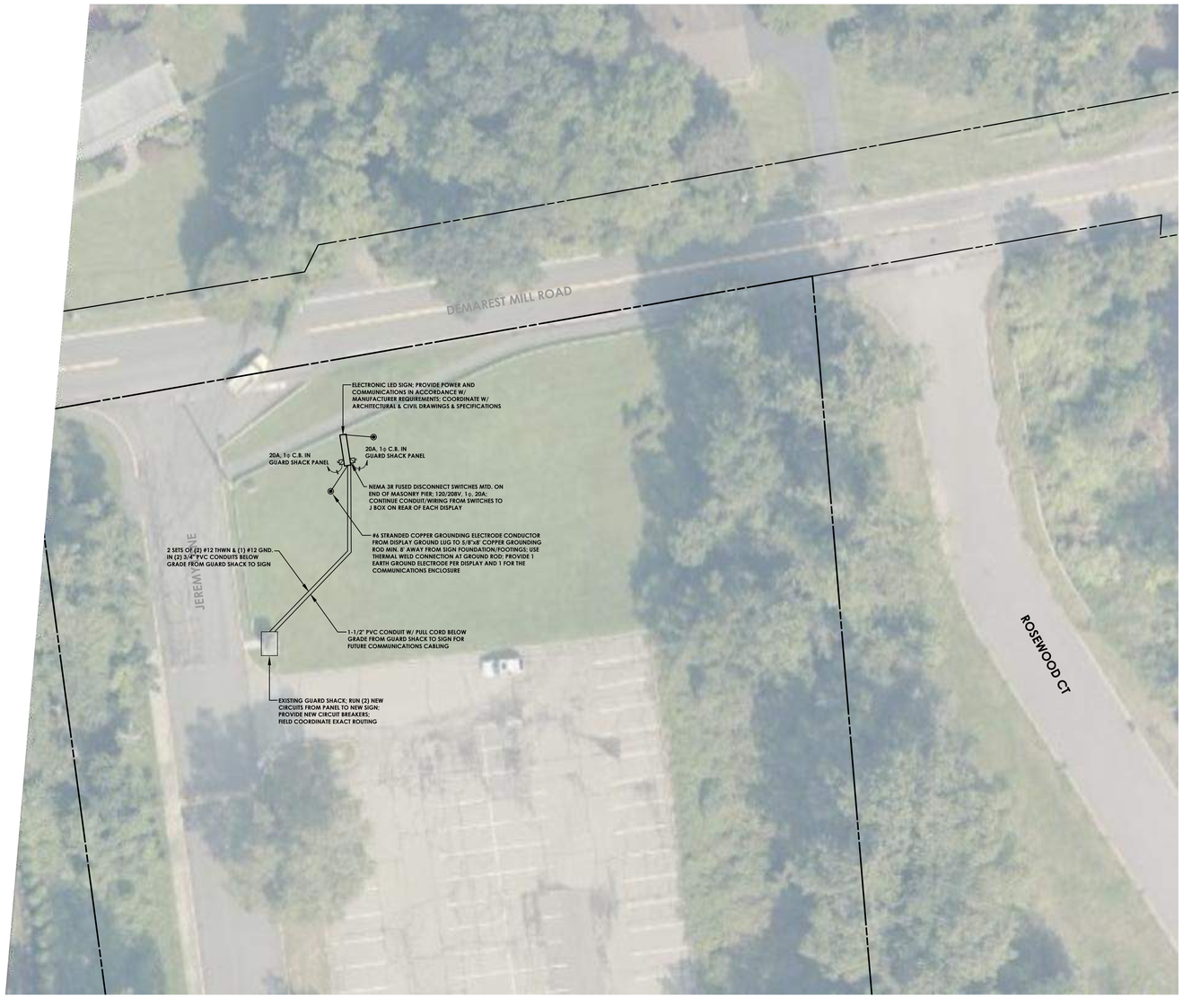
ELECTRICAL NOTES, LEGEND, SCHEDULES & DETAILS

Sheet No.
CSHS E101

CONSTRUCTION DOCUMENTS



1 / ES111 Electrical Site Plan
Scale: 1" = 20'-0"

HORIZONTAL SCALE
20 0 10 20 40
SCALE: 1"=20'

N

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CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

STATE OF NEW YORK
BRYAN GEORGE BLAKE
089059
LICENSED PROFESSIONAL ENGINEER

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Sheet Title
ELECTRICAL SITE PLAN

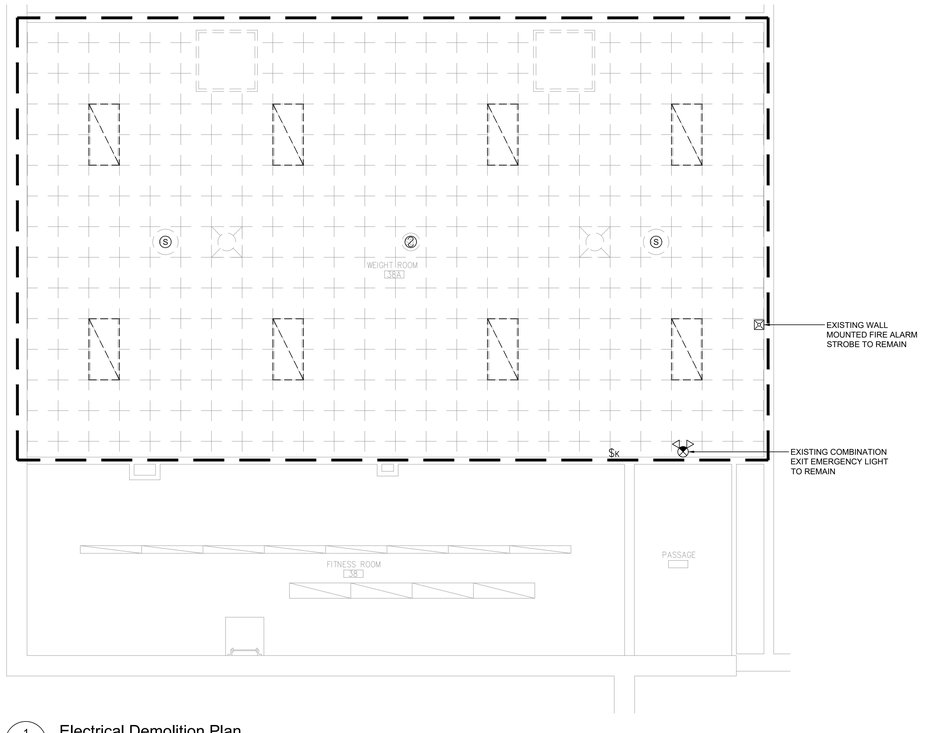
Sheet No.
CSHS ES111

CONSTRUCTION DOCUMENTS

CALL BEFORE YOU DIG!
NEW YORK INDUSTRIAL CODE REQUIRES 2 WORKING DAYS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
Dig Safely New York
CALL 811 OR 1-800-962-7962

ELECTRICAL DEMOLITION NOTES:
AREAS INDICATED WITHIN DASHED LINES ARE TO HAVE EXISTING CEILINGS REMOVED. ELECTRICAL CONTRACTOR TO REMOVE ALL ELECTRICAL DEVICES WITHIN THESE CEILINGS. APPROXIMATE DEVICE LOCATIONS INDICATED FOR REFERENCE. CONTRACTOR TO FIELD VERIFY EXACT QUANTITY AND LOCATIONS.

- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING LIGHT FIXTURES AND ASSOCIATED COMPONENTS INCLUDING HANGERS AND WIRING/CONDUIT. REMOVE WIRING BACK TO SWITCH.
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING LIGHT SWITCHES AND COVER PLATES. MAINTAIN EXISTING BOX, CONDUIT AND CIRCUIT FOR RECONNECTION TO REPLACEMENT SWITCH, EXCEPT IN WALLS BEING REMOVED.
- DISCONNECT & REMOVE ALL CEILING DEVICES INCLUDING FIRE ALARM, WIRELESS ACCESS POINTS, SPEAKERS, CAMERAS, ETC. AND STORE. MAINTAIN EXISTING WIRING FOR REINSTALLATION.



1 / ED201 Electrical Demolition Plan
Scale: 1/4" = 1'-0"

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

Consultant
BLAKE ENGINEERING PLLC
MEP/FP CONSULTING ENGINEERS
445 HAMILTON AVENUE, SUITE 1102, WHITE PLAINS, NEW YORK 10601

Project Title
CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

STATE OF NEW YORK
MATTHEW GEORGE BLAKE
090683
LICENSED PROFESSIONAL ENGINEER

	DATE	DESCRIPTION
1		

Drawn By:	BJK
Checked By:	BJK
Proj. #:	50-01-01-06-0-018-028
CSArch Proj. #:	151-2201
Construction Documents:	1/13/23

Sheet Title
ELECTRICAL DEMOLITION PLANS

Sheet No.
CSHS ED201

CONSTRUCTION DOCUMENTS

ELECTRICAL NOTES:
AREAS INDICATED WITHIN DASHED LINES HAVE NEW CEILINGS.

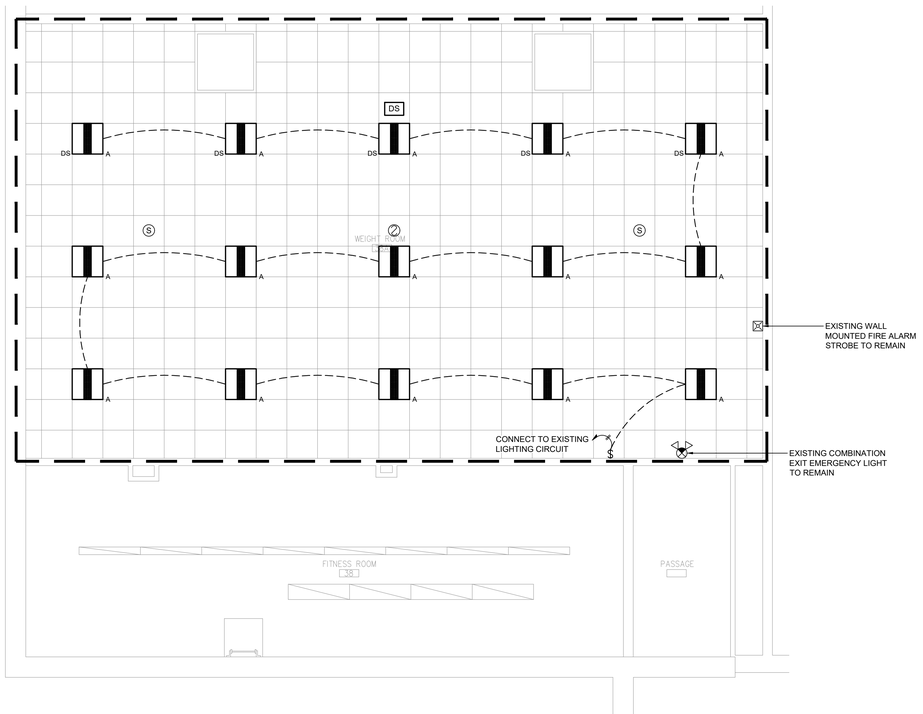
- REINSTALL ALL STORED CEILING DEVICES INCLUDING FIRE ALARM, WIRELESS ACCESS POINTS, SPEAKERS, CAMERAS, PROJECTORS, ETC. CONNECT TO EXISTING WIRING, EXTEND AS NECESSARY TO COMPLETE INSTALLATION.
- PROVIDE NEW SWITCHES AND LIGHTING AS INDICATED. CONNECT TO EXISTING LIGHTING CIRCUITS IN EACH SPACE.

LIGHTING CONTROL SEQUENCE OF OPERATION:
WEIGHT ROOM

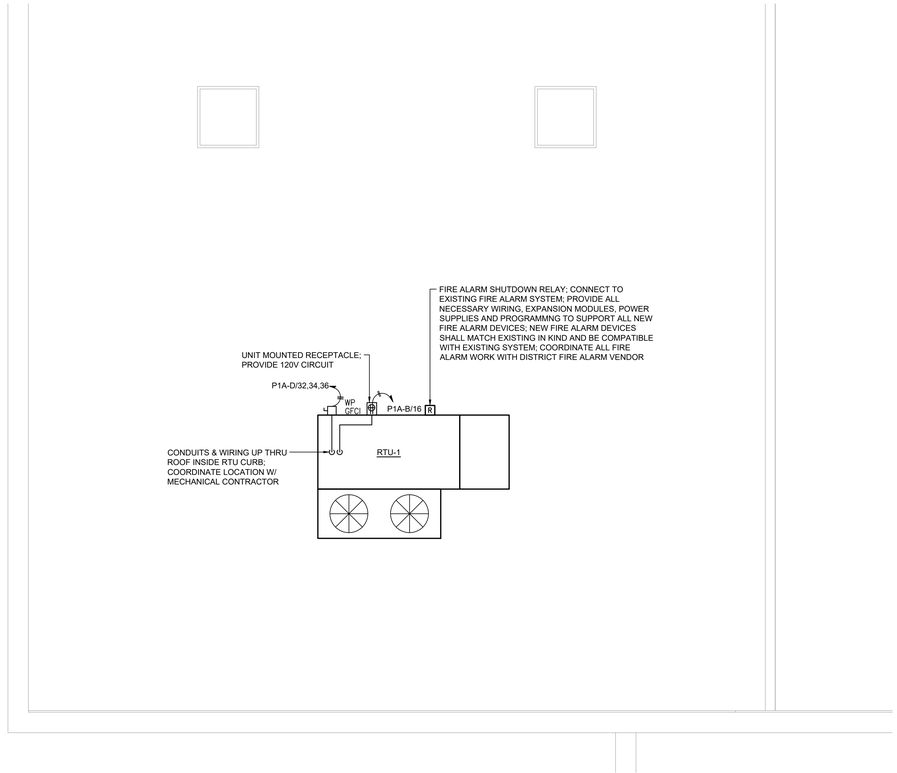
VACANCY SENSOR(S) TO BE USED FOR AUTO-OFF OF ALL FIXTURES AFTER 30 MIN. TIME DELAY.

DAYLIGHT SENSOR(S) TO ACTUATE PRESET DIMMING LEVEL FOR LIGHT FIXTURES DESIGNATED "DS" ON PLANS BASED ON DAYLIGHT AVAILABLE IN SPACE, WITH DIM-TO-OFF FUNCTIONALITY.

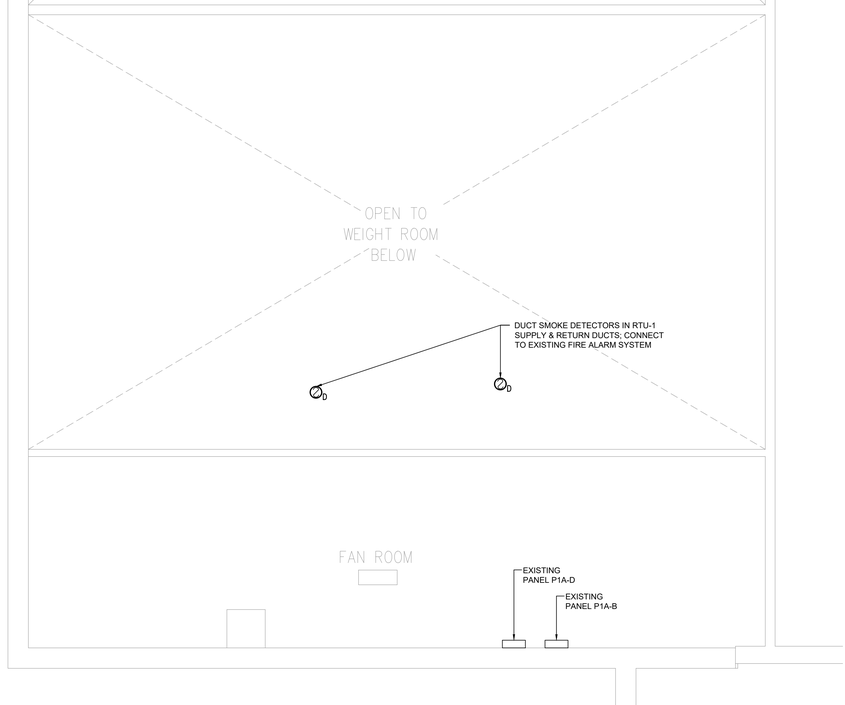
3 BUTTON WALL STATION:
BUTTON 1: ON/OFF CONTROL OF ASSOCIATED FIXTURES
BUTTON 2: DIM UP OF ASSOCIATED FIXTURES
BUTTON 3: DIM DOWN OF ASSOCIATED FIXTURES



1 E201 **Electrical Lighting Plan**
Scale: 1/4" = 1'-0"



2 E201 **Electrical Plan - Roof**
Scale: 1/4" = 1'-0"



3 E201 **Electrical Plan - Fan Room**
Scale: 1/4" = 1'-0"

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Consultant
BLAKE ENGINEERING PLLC
MEP/FP CONSULTING & ENGINEERING DESIGN

CLARKSTOWN CENTRAL SCHOOL DISTRICT
CLARKSTOWN SOUTH HIGH SCHOOL
CAPITAL PROJECT PHASE 5

Project Title

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 076689 · LICENSED PROFESSIONAL ENGINEER

	DATE	DESCRIPTION

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