

EASTCHESTER UNION FREE SCHOOL DISTRICT 2021-2022 MS GYMS AND ROOF REPLACEMENTS

MIDDLE SCHOOL 550 White Plains Rd, Eastchester, NY 10709

SED 2021-2022 MS GYMS AND ROOF REPLACEMENTS CONTROL NO. MEMASI PROJECT NO.

102-2101

M = M / SI

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.

ISSUED FOR BID:



AREA MAP - MIDDLE SCHOOL



DRAWING

GENERAL DRAWINGS
MS G001 SYMBOLS, ABBREVIATIONS

ARCHITECTURAL DEMOLITION
MS AD102 DEMOLITION PLAN - ROOF AREAS
MS AD801 DEMOLITION PLAN - RCP-FIRST FLOOR

ARCHITECTURAL DRAWINGS

MS A102 ROOF PLAN

MS A201 EXTERIOR ELEVATIONS

MS A501 ROOF DETAILS

MS A502 DETAILS

MS A801 RCP - FIRST FLOOR

ABBREVIATIONS ARCHITECTURAL LEGEND MATERIAL INDICATIONS ABBREVIATION DESCRIPTION ADDENDUM EARTH ADMINISTRATIVE ABOVE FINISHED FLOOR **GRANULAR FILL** ALTERNATE APPROXIMATE ARCHITECT / ARCHITECTURAL BRICK AUDIO VISUAL CONCRETE MASONRY UNIT BUILDING BOTTOM OF BASEMENT CONCRETE CONTROL / CONSTRUCTION JOINT GROUT CENTERLINE CLG / CLNG CEILING CLEAR ROUGH WOOD BLOCKING CONCRETE MASONRY UNIT COLUMN SHIM CONCRETE CONFERENCE CONTINUOUS FINISH WOOD COORDINATE CORRIDOR PLYWOOD DEMOLITION DETAIL SHEATHING DIAMETER DOWN RIGID INSULATION DRAWING **EDUCATION** BATT INSULATION EXTERIOR INSULATION FINISH SYSTEM ELECTRIC / ELECTRICAL SPRAY FOAM INSULATION ETHYLENE PROPYLENE DIENE MONOMER **EQUIPMENT EPS INSULATION** EXISTING **EXPANSION JOINT** STEEL EXTERIOR **DIMENSIONING CONVENTIONS** FINISH FLOOR **FIXTURE** FACE OF STUD OR CMU FLOOR FIRE-RETARDENT-TREATED MATERIAL FOOTING ◆ COLUMN CENTER LINE GAUGE GALLON GALVANIZE(D) GENERAL CONTRACT(OR) **SYMBOLS** GYPSUM WALL BOARD GYPSUM WALL BOARD SOFFIT ROOM NAME CLASSROOM* HANDICAPPED ACCESSIBLE - ROOM NUMBER HOLLOW METAL HORIZONTAL AREA OF ROOM HOUR HEIGHT DOOR NUMBER, REFER TO A900 DRAWINGS A100 HEATING HEATING/VENTILATING/AIR CONDITIONING WINDOW TAG, REFER TO A900 DRAWINGS INSIDE DIMENSION INCH / INCHES BORROWED LIGHT NUMBER, REFER TO A900 INTERIOR DRAWINGS STOREFRONT / CURTAINWALL NUMBER, **JANITOR** JANITOR'S CLOSET REFER TO A900 DRAWINGS JOIST COLUMN GRID DESIGNATION JOINT PARTITION TAG, REFER TO A700 DRAWINGS POUND LINEAR ADDITIONAL NOTES FOR PARTITION LEVEL REVISION NUMBER MANUAL MASONRY MAXIMUM KEY NOTE, NEW WORK MEDIUM DENSITY FIBERBOARD MECHANICAL MEZZANINE KEY NOTE, DEMOLITION WORK MANUFACTURE(R) MIDDLE **ELEVATION TAG** MINIMUM MISCELLANEOUS MASONRY OPENING METAL HANDICAPPED ACCESSIBLE **ELEMENT OR FIXTURE** NOT APPLICABLE NOT IN CONTRACT NOMINAL NOT TO SCALE INTERIOR FINISH TAG, REFER TO AF100 DRAWINGS OVERALL ON CENTER OUTSIDE DIAMETER CHANGE IN FINISH MATERIAL OVERHEAD OPTIONAL OPPOSITE OUNCE DETAIL INDICATOR LEGEND PERIMETER PLASTIC LAMINATE SECTION INDICATOR PLUMBING - SECTION NUMBER PLASTER PLYWOOD PANEL PAINT(ED) DRAWING SHEET NUMBER — POLYISOCYANURATE SECTION IS DRAWN ON PRESSURE PRESERVATIVE TREATED — DIRECTION OF VIEW PREPARATORY PARTITION POLYVINYL CHLORIDE DETAIL INDICATOR (SECTION) SECTION NUMBER RUBBER / RUBBER WALL BASE REQUIRED ROOM DRAWING SHEET NUMBER — ROUND SECTION IS DRAWN ON DIRECTION OF VIEW **ROUGH OPENING** SCHEDULED SECTION ENLARGED DETAIL INDICATOR SQUARE FEET SIMILAR SPECIFICATION - DETAIL NUMBER SQUARE STAINLESS STEEL DRAWING AREA SOUND TRANSMISSION CLASS REQUIRING DETAIL STANDARD STEEL STORAGE - DRAWING SHEET NUMBER STRUCTURAL / STRUCTURE DETAIL IS DRAWN ON SUSPENDED SUSPENDED ACOUSTICAL CEILING TOP AND BOTTOM **DETAIL TITLE** TONGUE AND GROOVE TECHNOLOGY DETAIL TYPE / NAME — DETAIL TYPE / NAME TEMPORARY TEMPERED TOP OF MASONRY TOP OF STEEL UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE SCALE VERTICAL VESTIBULE VERIFY IN FIELD **EXTERIOR ELEVATION INDICATOR** WITH WITHOUT WOOD WOOD PRESSURE-TREATED MATERIAL - ELEVATION NUMBER DIRECTION OF VIEW WEIGHT DRAWING SHEET NUMBER YARD DETAIL IS DRAWN ON INTERIOR ELEVATION INDICATOR BLANK ARROW INDICATES ELEVATIONS NOT DETAILED — ELEVATION NUMBER DRAWING SHEET NUMBER DETAIL IS DRAWN ON

- DIRECTION OF VIEWS

ADD

ADMIN

APPROX

ARCH

BLDG

BSMT

CLR

CMU COL CONC CONF CONT

COORD

CORR

DEMO DET

DIA

DWG

EIFS **ELECT**

EPDM

EQ EQUIP

EXST

FIN FL

FIXT

FTG

GAL GALV

GC GND GWB

HORIZ

HR

HTG

LIN

MAN

MAS

MAX

MDF MECH

MEZZ MFR

MID

MIN

MISC

MO

MTL

NIC NOM

NTS

OPP

PERIM

PLAM PLBG

PLAS PLYWD

PNL

PPT

PVC

RAD

REQD

RM

RND

RO

SCH

SECT

SIM

SPEC

STD STL STOR

STRUCT

TECH

TEMP

TMPD

TOM

TOS

VERT

VEST

W/O WD WPT

PR PREP

FLR

BOT OR B/

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 U.O.N. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH. **GENERAL NOTES** 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 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 WALLS ON COLUMN LINES ARE CENTERED, UNO 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. ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION ALL WOOD BLOCKING WITHIN ROOFING SYSTEM AND WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED. PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS. FOR ALL MATERIAL TESTING, REFER TO SPECIFICATION DIVISION 014100 & 014529 10. ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2021-2022 MS GYMS AND ROOF **REPLACEMENTS** MIDDLE SCHOOL

 $M \equiv M \wedge SI$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519

STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 1000 PARK BOULEVARD, #209 MASSAPEQUA PARK, NY 11762 631.724.7888

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905 203.352.1717

MEMASIDESIGN.COM

HAZARDOUS MATERIALS CONSULTANT NEW YORK ENVIRONMENTAL 88 HARBOR ROAD PORT WASHINGTON, NY 11050 516.944.9500

ISSUE DATE KEY PLAN

SEAL

SYMBOLS, ABBREVIATIONS, AND MISC

102-2101

MS G001

PROJECT NO.

MEMASI PROJECT NO.

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SHEET NOTES **KEY NOTES** A. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION D3 REMOVE ROOF EDGE, TYPICAL AT ENTIRE ROOF PERIMETER UNLESS NOTED OTHERWISE B. PATCH AND REPLACE EXISTING HOLES IN WALLS (DUE TO D7 REMOVE EXPANSION JOINT COVER AND ASSOCIATED REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION FLASHING TO ALLOW FOR NEW WORK. D8 REMOVE REGLET FLASHING IN ITS ENTIRETY. C. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL D9 REMOVE GRAVEL, BUILT UP ROOFING, INSULATION AND ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO "POREX" ROOF DECK. EXISTING JOISTS AND BEAMS BELOW TO EXISTING WALLS. U.O.N. D10 VACCUM GRAVEL AND PREPARE EXISTING ROOFING D. REFER TO ASBESTOS DOCUMENTS AND SPECS FOR ADDITIONAL MEMBRANE FOR NEW RETROFIT ROOFING INSTALLATION. REMOVAL INFORMATION D11 REMOVE ROOF DRAIN. E. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, U.O.N D14 REMOVE MECHANICAL EQUIPMENT & CURB TO ALLOW FOR NEW WORK. CONTRACTOR TO UTILIZE LICENSED ELECTRICAL F. PROVIDE TEMPORARY SHORING AT ALL AREAS OF MASONRY AND MECHANICAL SUBCONTRACTOR TO PERFORM DISCONNECT/REMOVALS. ROOF NN D15 REMOVE COUNTER FLASHING, EXISTING THROUGH WALL N.I.C. G. CURB SIZES SHOWN REFLECT PENETRATING DUCT SIZE. FLASHING TO REMAIN. CURB SIZE MAY VARY, COORDINATE ACTUAL SIZE OF CURBS IN FIELD. M1 EXISTING MECHANICAL PIPE ABOVE ROOFING TO REMAIN. PROTECT DURING INSTALLATION OF NEW WORK. M2 EXISTING MECHANICAL EQUIPMENT TO REMAIN. PROTECT DURING INSTALLATION OF NEW WORK. <u>LEGEND</u> DETAIL EXPANSION JOINT 4 NOT IN CONTRACT ROOF CC 6,000 SF ┌ ┴ ¬ L __ J _______ _____ 2,140 SF [D3]— L,_ _ _ _ _ _ _ ROOF LL N.I.C. ROOF KK ᆫᅮ┚ ᆫᆕᆚ ROOF X N.I.C. ROOF W N.I.C. DEMOLITION PLAN - ROOF

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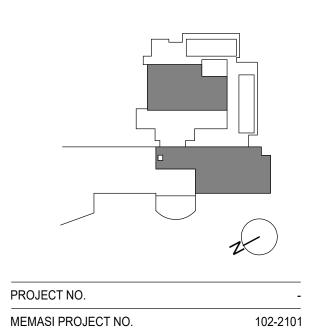
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KEY PLAN



DEMOLITION PLAN - ROOF AREAS

MS AD102

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SHEET NOTES

- A. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION
- (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION

B. PATCH AND REPLACE EXISTING HOLES IN WALLS AND ROOFS

- C. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS. U.O.N.
- D. REFER TO ASBESTOS DOCUMENTS AND SPECS FOR ADDITIONAL REMOVAL INFORMATION
- E. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, U.O.N F. PROVIDE TEMPORARY SHORING AT ALL AREAS OF MASONRY
- NOT IN CONTRACT

KEY NOTES

- C1 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT
- C2 REMOVE EXISTING PLASTER CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL FRAMING AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT
- REMOVALS. C3 RELOCATE EXISTING SPEAKERS TO ADJACENT EXTERIOR
- D2 REMOVE WINDOW SYSTEM IN ITS ENTIRETY. PREPARE ROUGH OPENING FOR NEW KALWALL SYSTEM.
- D16 EXISTING GYM FLOORING TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- DURING CONSTRUCTION. D18 EXISTING GRATES AT WINDOW OPENING TO BE REMOVED,
- REFINISHED, AND REINSTALLED
- AND CASE TO BE REMOVED, AND TURNED OVER TO THE DISTRICT FOR STORAGE.

- D17 EXISTING WALL PADDING TO REMAIN AND BE PROTECTED
- D19 EXISTING CEILING MOUNTED PROJECTOR, MOUNTING ARM,
- D22 REMOVE ABANDONED CONDUIT, MOUNTING HARDWARE, AND ABANDONED ATHLETIC EQUIPMENT MOUNTING APURTANENCE.

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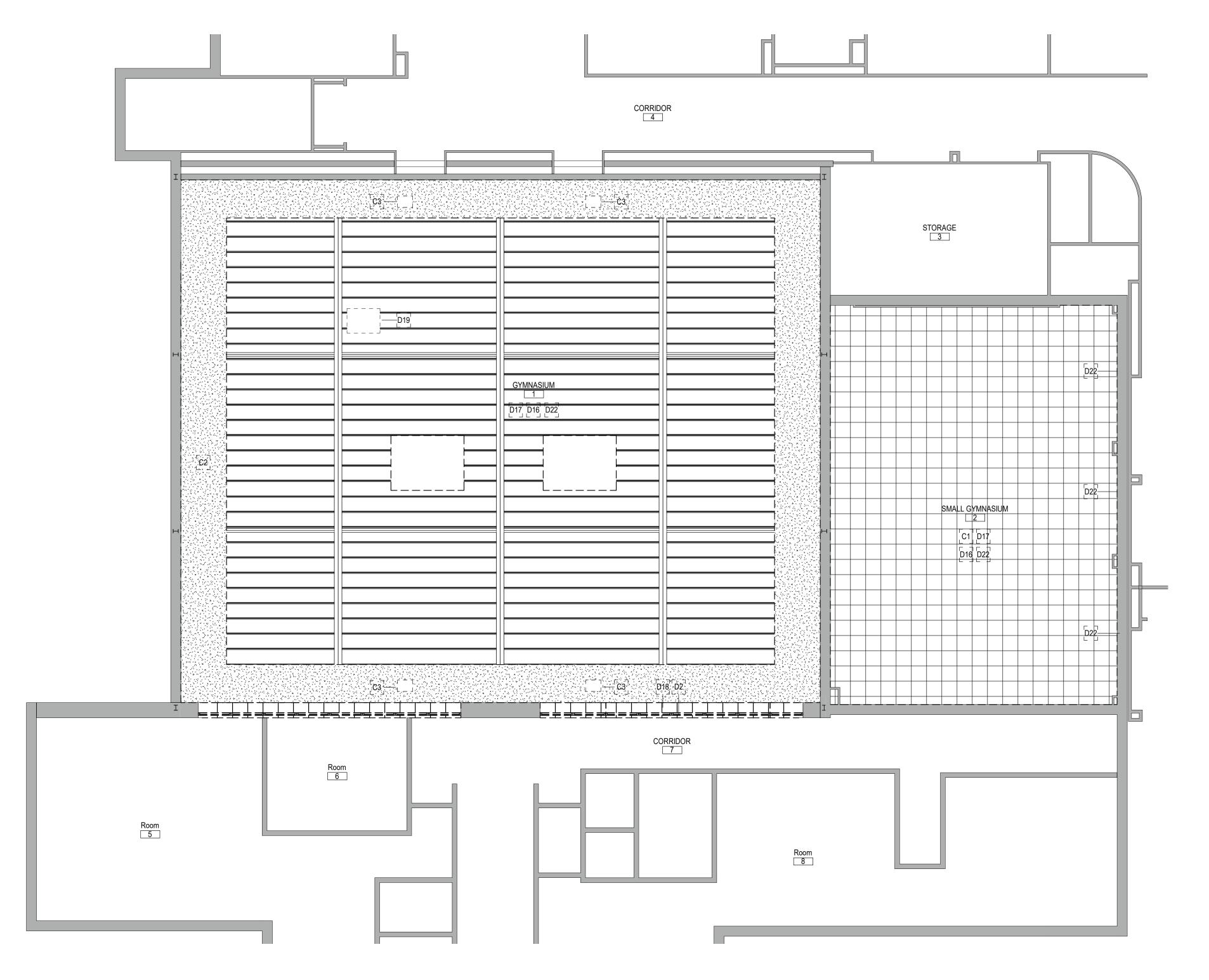
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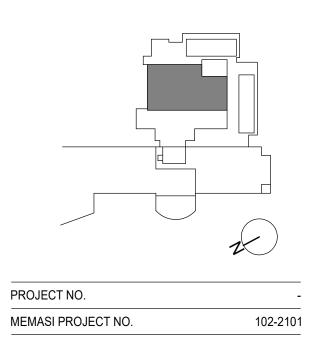
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KEY PLAN



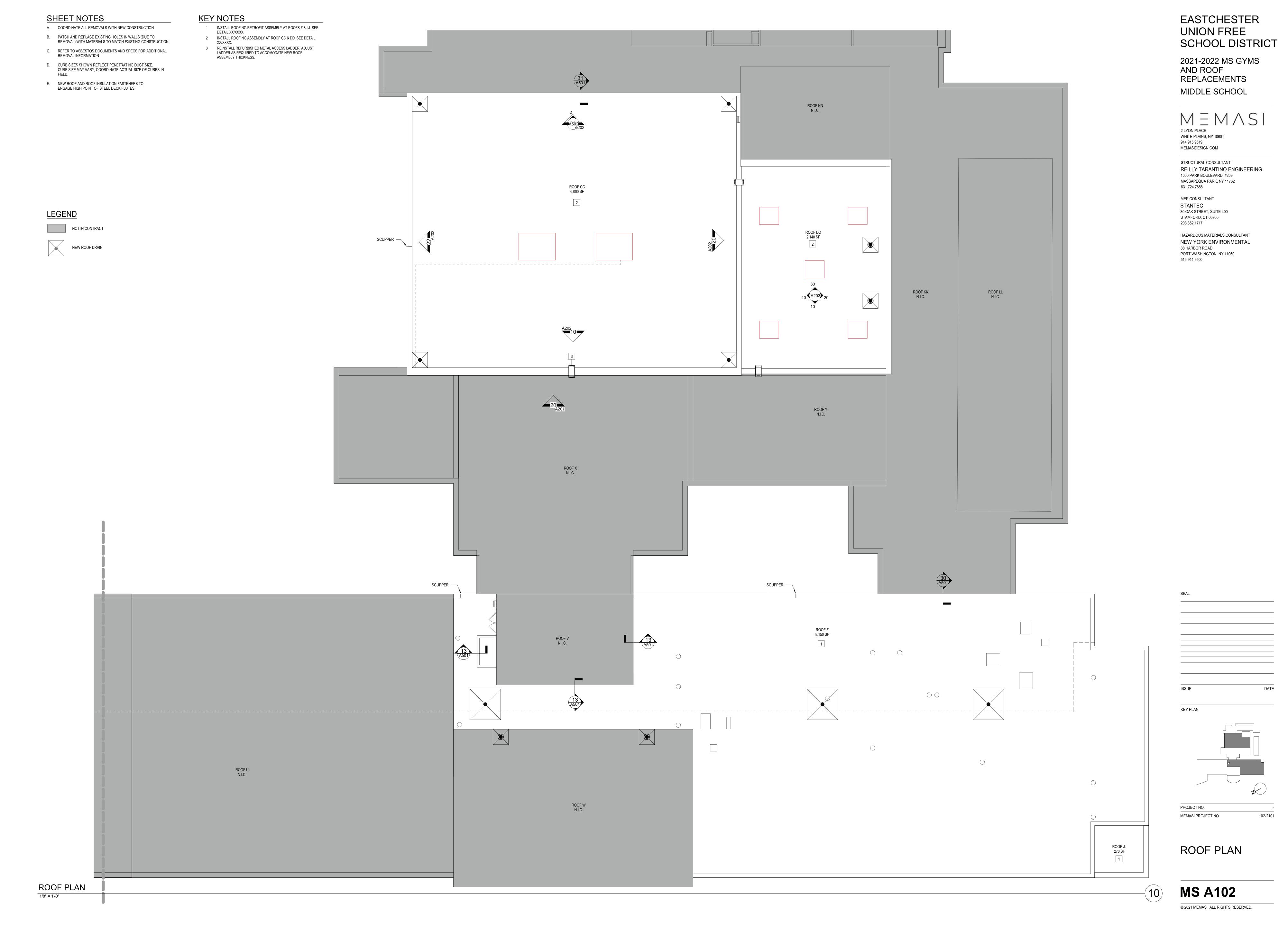
DEMOLITION PLAN -**RCP-FIRST** FLOOR

MS AD801

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DEMOLITION PLAN - FIRST FLOOR

1/8" = 1'-0"



SHEET NOTES

FIRST FLOOR

- A. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION
- B. PATCH AND REPLACE EXISTING HOLES IN WALLS AND ROOFS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION
- C. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS. U.O.N.
- D. REFER TO ASBESTOS DOCUMENTS AND SPECS FOR ADDITIONAL REMOVAL INFORMATION
- E. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, U.O.N F. PROVIDE TEMPORARY SHORING AT ALL AREAS OF MASONRY

KEY NOTES

- 10 PATCH AND REPAIR EXISTING MASONRY WALL, APPROXIMATELY 5 SF AT EACH LOCATION
- APURTANENCE WERE REMOVED. 12 INFILL EXISTING WALL AT EXISTING STEAM CABINET UNIT HEATER REMOVAL LOCATIONS AND PROVIDE FULL HEIGHT WALL PADS TO MATCH ADJACENT WALL PADS. SEE DETAIL

11 REPAIR MASONRY WALL WHERE EQUIPMENT MOUNTING

- C3 RELOCATE EXISTING SPEAKERS TO ADJACENT EXTERIOR
- E2 PROVIDE POWER AND DATA TO REINSTALLED CEILING MOUNTED PROJECTOR.

9 SCRAPE, PATCH, PREP, AND PAINT EXISTING WALLS FROM TOP OF EXISTING WALL PADS TO UNDERSIDE OF DECK, INCLUDING EXISTING CONDUIT. PROTECT EXISTING DEVICES, WALL PADS,

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2021-2022 MS GYMS AND ROOF REPLACEMENTS

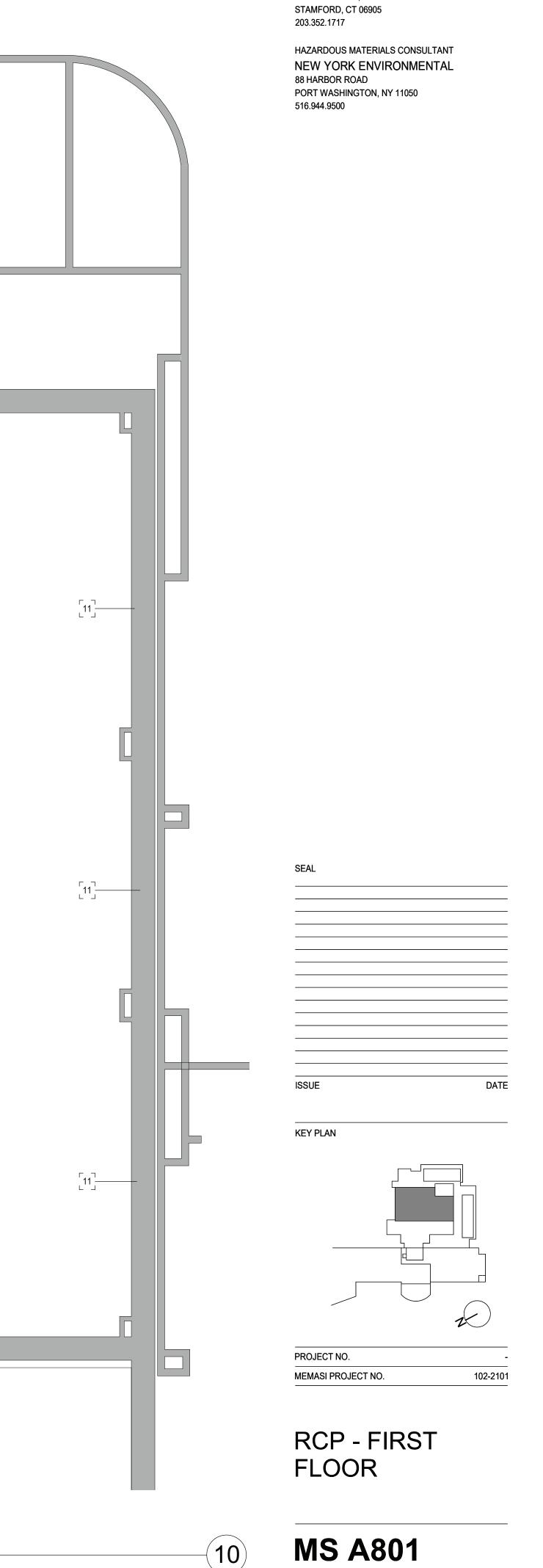
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STANTEC 30 OAK STREET, SUITE 400



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STORAGE 3

KEY NOTES

4'-0" SUMP

ALL NEW INSULATION

NEW ROOF DRAIN STRAINER/COVER

BASE PLY STRIP FLASHING OVER PRIMED LEAD

BEYOND SUMP, NEW TAPERED

NEW ROOF DRAIN DETAIL

—— 6" CONCEALED SPLICE PLATE @ EACH JOINT

— EXISTING STONE COPING CAP TO REMAIN

FASTENED TO PLYWOOD @ 8" O.C.

FASTEN @ 8" O.C.

6" EPDM CONTINUOUS STRIP ADHERED OVER TRANSITION BETWEEN EPDM AND COUNTERFLASHING

COPING CAP AT MASONRY WALL

---- 0.60 EPDM FLASHING FULLY ADHERED OVER 4" FLANGE -

EXTEND PLIES OVER BLOCKING AT TOP OF PARAPET AND

- SURFACE MOUNTED COUNTERFLASHING WITH 4" FLANGE

- FURR OUT WITH PLYWOOD TO ALIGN WITH STONE COPING

CONDITION AND MASONRY TYPE (BRICK OR CMU) TO BE

— COVER BOARD

— FIBER CANT STRIP

- EXISTING ROOF DECK

— INSULATION

— CAP FLASHING 9" MIN ON FIELD

— BASE FLASHING PLY 6" MIN ON FIELD

- MODIFIED MEMBRANE WITH COATING

- REPOINT & REPAIR EXIST. MASONRY PARAPET. EXIST.

CONFIRMED AFTER REMOVAL OF EXIST. METAL PANEL.

FLASHING SHEET IN COLD APPLIED ADHESIVE

30"X30" LEAD FLASHING SHEET INSTALLED IN

BED OF MASTIC AND TURNED DOWN INTO DRAIN BOWL OVER THE FIELD BASE PLY

MODIFIED MINERAL CAP SHEET -

FIELD BASE PLY

COVER BOARD -

ALL NEW TAPERED RIGID

INSULATION STARTING AT 1"

THICKNESS ABOVE EXIST. ASSEMBLY (ROOFS P, Q & R)

INSULATION @ SUMP

EXIST. ROOF DECK -

NEW DRAIN BODY

CONNECTION HUB

EXIST. DRAIN LEADER

1 1/2" = 1'-0"

1 1/2" = 1'-0"

4'-0" SUMP

ALL NEW INSULATION

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2021-2022 MS GYMS AND ROOF **REPLACEMENTS**

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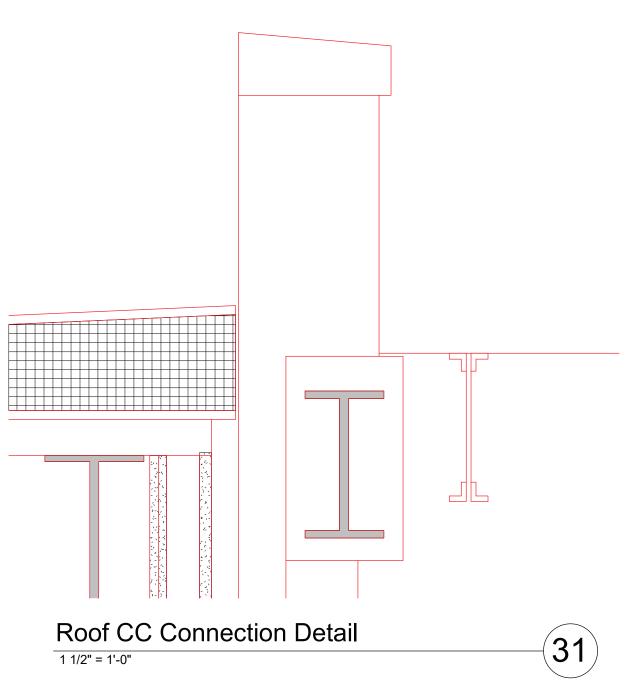
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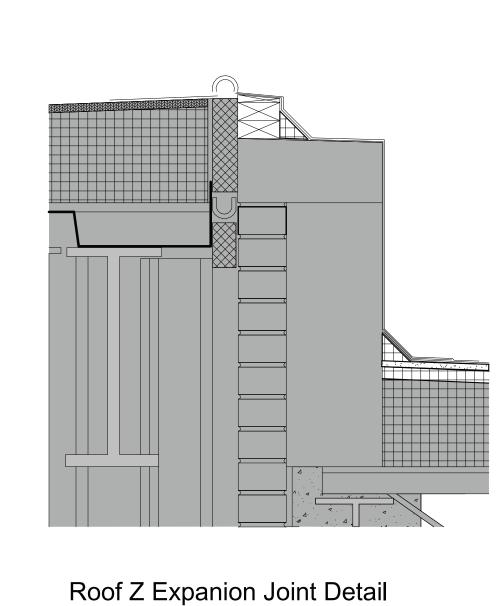
ROLL DOWN FLASHING

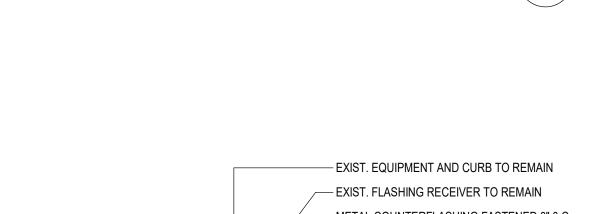
1" MIN INTO PIPE

- CONT. SEALANT

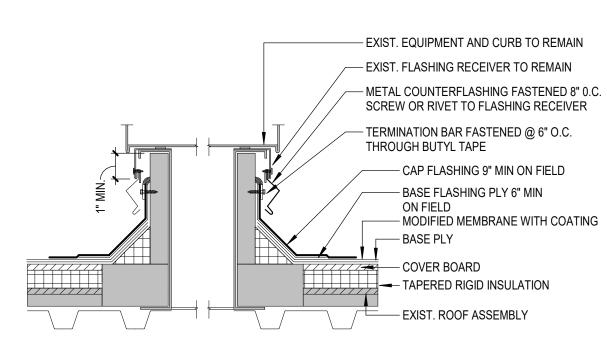
MASTIC

SET METAL FLANGE IN





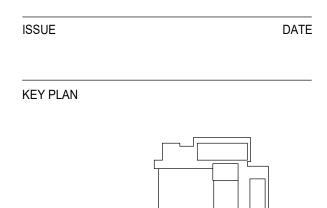
30

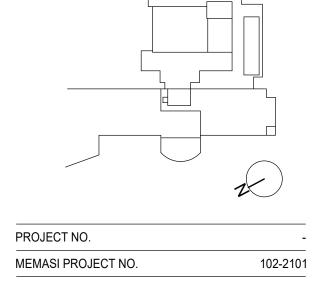


CURB AT EXISTING MECH. UNIT

1 1/2" = 1'-0"

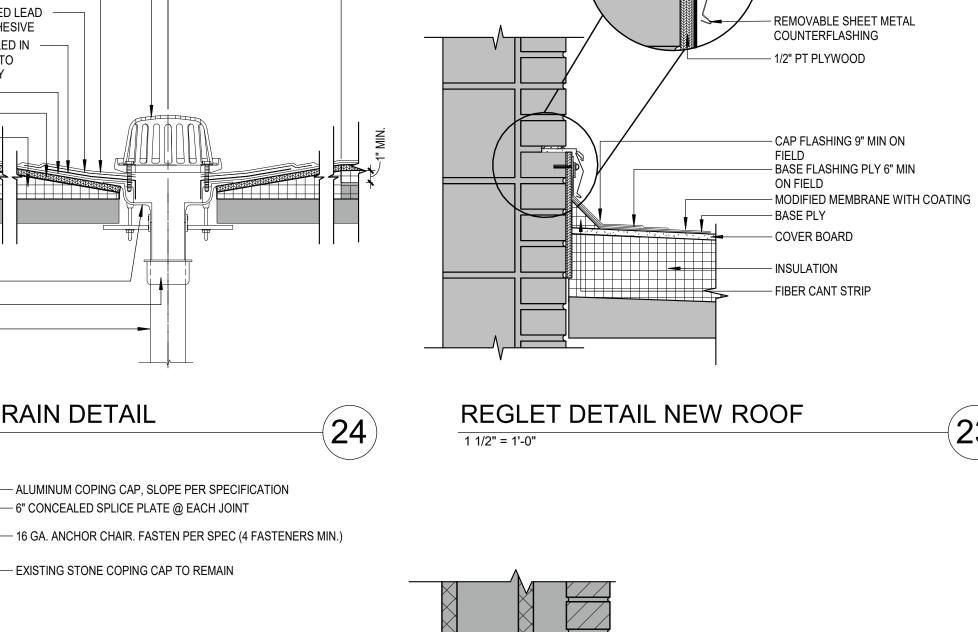






ROOF DETAILS

MS A501



- CONT. LEAD WEDGE - SEALANT SET IN MORTAR

- SHEET METAL REGLET

THROUGH BUTYL TAPE

- EXISTING WEEP VENT

FLASHING TO REMAIN

- BASE PLY

- COVER BOARD

- EXISTING METAL THRU-WALL

- TERMINATION BAR FASTENED @

NEW METAL COUNTER-FLASHING

- CAP FLASHING PLY 9" MIN ON FIELD

- BASE FLASHING PLY 6" MIN ON FIELD

- MODIFIED MEMBRANE WITH COATING

6" O.C. THROUGH BUTYL TAPE

- TAPERED RIGID INSULATION

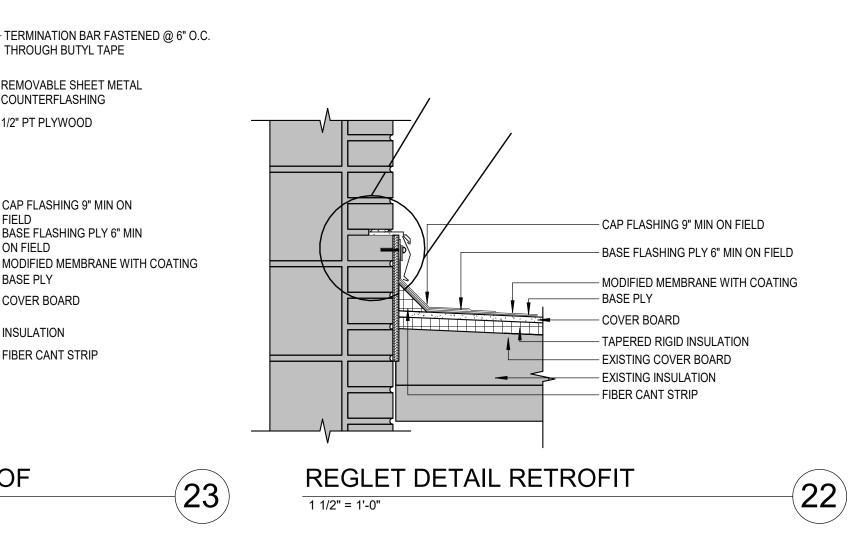
- EXISTING COVER BOARD

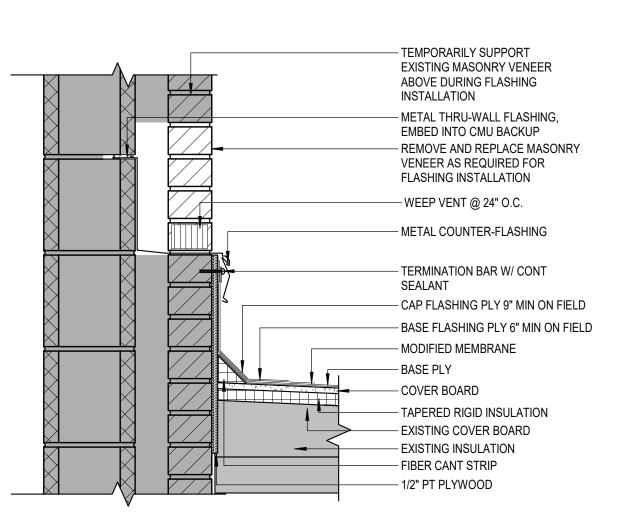
- EXISTING INSULATION

- FIBER CANT STRIP

- 1/2" PT PLYWOOD

CAVITY WALL BASE FLASHING DETAIL (13)





BASE FLASHING DETAIL through wall



EXISTING ROOF VENT PIPE PENETRATION

CAP FLASHING PLY 9" MIN. ON FIELD -

BASE FLASHING PLY 6" MIN. ON FIELD

MODIFIED BASE PLY.

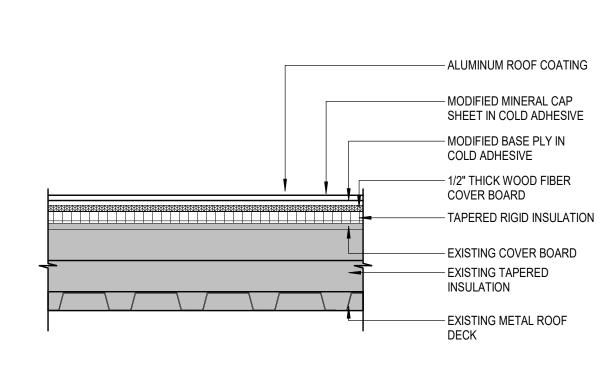
EXISTING DECKING -

1 1/2" = 1'-0"

(COLD ADHESIVE)

EXISTING ROOF

INSULATION



"Z" ROOFING COMPOSITION

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SHEET NOTES KEY NOTES

PROVIDE NEW FULL HEIGHT WALL PADS ACROSS THE FULL WIDTH OF THE STEAM UNIT HEATER OPENING

PROVIDE NEW FULL HEIGHT WALL PADS AT STEAM UNIT HEATER REMOVAL LOCATIONS TO MATCH ADJACTENT WALL PADS. TYPICAL ALL FOUR LOCATIONS. GC TO VERIFY WALL PAD QUANTITY AND DIMENSIONS IN THE FIELD

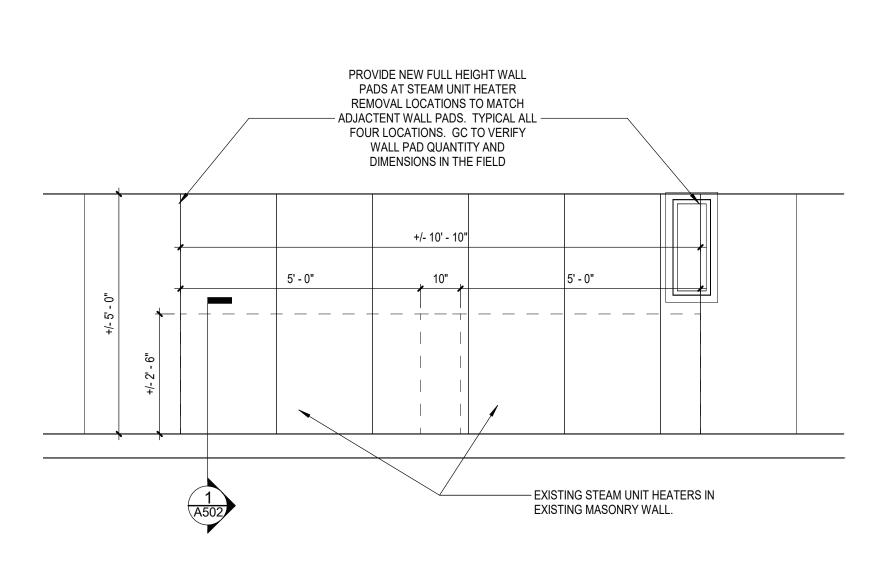
1/2* FIRE TREATED PLYWOOD

2 1/2* 16 GAUGE MTL STUDS 16* O.C.

NOTE: EXISTING STEAM UNIT HEATERS AND COVERS TO BE REMOVED AND STEAM PIPING TO BE TERMINATED AND CAPPED BY MECHANCAL CONTRACTOR.

THRESHOLD DETAIL

1 1/2" = 1'-0"



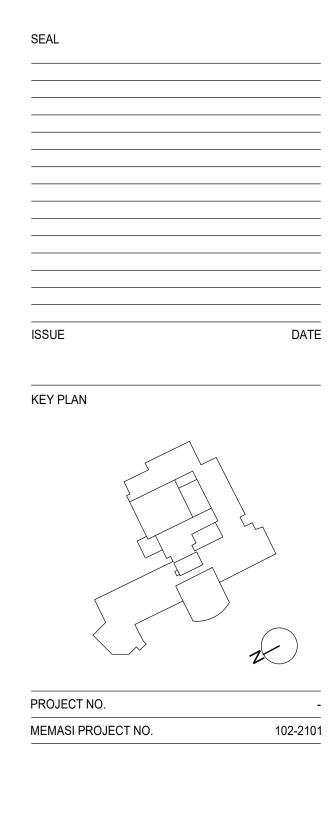
TYPICAL ELEVATION AT STEAM UNIT HEATER REMOVAL

1/2" = 1'-0"

EASTCHESTER
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DETAILS

MS A502

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