Additions and Renovations to

Littlebrook Elementary School

39 Magnolia Ln, Princeton, NJ 08540

Princeton Public Schools

25 Valley Rd, Princeton, NJ 08540

EST 1918
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NJDCA Electronic Release Stamp

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Addition and Renovations to Littlebrook Elementary School

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Drawn By
SB

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AS NOTED

Drawing Name
TITLE SHEET & DRAWING INDEX

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
G001

ABBREVIATIONS

AACB	Acrylic acoustical ceiling board
A/C	Air conditioning
AB	Anchor bolt
ACB	Acoustical ceiling board
AD	Area drain
ADJ	Adjacent
ADJT	Adjustable
AFF	Above finished floor
AGG	Aggregate
AL	Aluminum
ALT	Alternating
ALT. BID	Alternate bid
ANC	Anchor, Anchorage
ANOD	Anodized
AP	Access panel
APX	Approximate
ARCH	Architect
BB.	Bottom of bank
BD	Board
BIT	Bituminous
BF	Barrier Free
BLDG	Building
BLK	Block
BLKG	Blocking
BM	Bench mark
BOT	Bottom
BRG	Bearing
BRK	Brick
BRZ	Bronze
BS	Both sides
BUR	Built up roof
CAB	Cabinet
CB	Catch basin
CEM	Carpet Entry Mat
CEM PLAS	Cement plaster
CEP	CMU epoxy painted
CFL	Counter flashing
CFMF	Cold-Formed Metal Framing
CHT	Ceiling height
CI	Cast iron
CJ	Control joint
CL	Centerline / closet
CLG	Ceiling
CLR	Clear
CMU	Concrete masonry unit
COL	Column
CONC	Concrete
COND	Condition
CONST	Construction
CONT	Continuous
CONTR	Contractor
COOL	Cooling
CP	CMU Painted
CPR	Copper
CPT	Carpet
CRS	Course
CSMU	Calcium silicate masonry unit
CST	Cast stone
CT	Ceramic tile
CTP	Clear tempered plate glass
CTR	Counter
CWP	Clear wire plate
D	Drain (s)
DBL	Double
DF	Drinking fountain
DIM	Dimension
DIAM	Diameter
DK	Deck
DMB	Dry marker board
DN	Down
DR	Door
DS	Downspout
DW	Dumbwaiter
E	East
EA	Each
EB	Exibition Board
EC	Electrical contractor
EF	Exhaust fan
EIFS	Exterior insulated finish system
EJ, EXP JT	Expansion joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator
EMER	Emergency
ENC	Enclosure
ENTR	Entrance
EOP	Edge of paving
EP	Epoxy paint
EPDM	Ethylene propylene diene monomers
EQ	Equal
EQP	Equipment
ERF	Epoxy Resinous Flooring
ETR	Existing To Remain
ETR-R	Existing To Remain - Refinished
ETZ	Epoxy Terrazzo
EWC	Electric water cooler
EXB	Expansion bolt
EXG	Existing
EXP	Exposed
EXT	Exterior
FA	Fire alarm
FB	Face brick
FBRK	Fire brick
FD	Floor drain
FE	Fire extinguisher
FEC	Fire extinguisher cabinet
FES	Flared end section
FF	Finish floor
FFE	Finished floor elevation
FGL	Fiberglass
FIN	Finish
FIX	Fixture
FLG	Flashing
FLR	Floor
FND	Foundation
FR	Frame
FRP	Fiberglass reinforced polyester
FP	Fire proof
FRT	Fire retardant
FS	Floor sink
FT	Feet
FTG	Footing
FUR	Furring
GA	Gauge
GB	Grab bar
GC	General contractor
GCMU	Glazed concrete masonry unit
GD	Grade, grading
GEP	Gypsum wall board epoxy painted
GF	Ground face
GL	Glass, Glazing
GLB	Glass block
GP	Gypsum wall board painted
GPDW	Gypsum drywall
GR	Grade
GRD.F.BLK	Ground face block
GSFT	Glazed structural facing tile
GST	Glazed structural tile
GT	Grout
GV	Galvanized
GVL	Gravel
GWB	Gypsum Wall Board
HB	Hose bib
HD	Head
HDW	Hardware
HM	Hollow metal
HOR	Horizontal
HP	Highpoint
HR	Hour
HTR	Heater
HVC	Heating & ventilation contractor
ID	Inside diameter
INL	Inlet
INS	Insulate (d), (ion)
INT	Interior
INV	Invert
JC	Janitor's closet
JT	Joint
KCPL	Keene's cement plaster
KIT	Kitchen
KPL	Kickplate
L	Length
LAB	Laboratory
LAM	Laminate (d)
LAV	Lavitory
LDR	Leader
LF	Lineal foot/Linear feet
LH	Left-hand
LL	Liveload
LOC	Location
LPT	Low point
LTL	Lintel
LW	Lightweight
LWC	Lightweight concrete
MAS	Masonry
MAT	Material
MAX	Maximum
MC	Mechanical contractor
MECH	Mechanical
MED	Medium
MET	Metal
MFR	Manufacturer
MH	Manhole
MIN	Minimum
MISC	Miscellaneous
MMB	Membrane
MO	Masonry opening
MOV	Movable
MR	Mop receptor
MT	Marble threshold
MTD	Mounted
MTFR	Metal furring
MULL	Mullion
N	North
NIC	Not in contract
NO	Number
NOM	Nominal
NRC	Noise reduction coefficient
NTS	Not to scale
OA	Overall
OC	On center
OD	Outside diameter
OH	Overhead
OP	Opaque
OPG	Opening
OPP	Opposite
PAR	Parallel
PBD	Particleboard
PC	Plumbing contractor
PCC	Precast concrete
PERI	Perimeter
PG	Plate glass
PK	Parking
PL	Plate
P LAM	Plastic laminate
PLAS	Plaster
PNL	Panel
PNT	Paint (ed)
PR	Pair
PTT	Precast Terrazzo Tile
PRTT	Precast Resilient Terrazzo Tile
PSF	Pounds per square foot
PSI	Pounds per square inch
PTD	Paper towel dispenser
PTN	Partition
PTR	Paper towel receptor
PVC	Polyvinyl chloride
PVMT	Pavement
PWD	Plywood
QT	Quarry tile
QTY	Quantity
R	Riser
RA	Return air
RAD	Radius
RBT	Rubber tile
RCP	Reinforced concrete pipe
RD	Roof drain
RE	Reinforce (d), (ing)
REF	Reference (s)
REFL	Reflected
REG	Register
REM	Remove
REQ	Required
RES	Resilient
RET	Return
RFG	Roofing
RFH	Roof hatch
RH	Right hand
RM	Room
RO	Rough opening
ROW	Right of way
RRT	Radial rubber tile
RUB	Rubber, base
RV	Radon vent
RWC	Rain water conductor
S	South
SBS	Styrene butadiene styrene
SEC	Security
SC	Solid core
SCH	Schedule
SCT	Structural clay tile
SD	Storm drain
SFGL	Safety glass
SHM	Security hollow metal
SHTH	Sheathing
SIM	Similar
SKL	Skylight
SL	Sleeve
SNT	Sealant
SOG	Slab on grade
SP	Soundproof
SPAC'G	Spacing
SPEC	Specification
SPF, BLK	Split face block
SPK	Speaker
SQ	Square
SQ. FT.	Square foot / feet
SST	Stainless steel
STD	Standard
STG	Seating
STR	Structural
SUS	Suspended
SWF	Security Window Film
SYN	Synthetic
SYS	System
T	Tread
TB.	Top of bank
TC	Terra cotta
TEL	Telephone
T&G	Tongue and groove
TG.	Top of grate
TGR	Top of grade
THK	Thick
THR	Threshold
TKS	Tackstrip
TLT, TOIL	Toilet
TOC	Top of curb
TOM	Top of masonry
TOP	Top of plank
TOS	Top of steel
TPD	Toilet paper dispenser
TPG	Tempered plate glass
TPTN	Toilet partition
TV	Television
TYP	Typical
TZ	Terrazzo
UC	Undercut
UL	Underwriter's laboratory
UNO	Unless Noted Otherwise
UR	Urinal
VAT	Vinyl Asbestos Tile
VB	Vapor Barrier
VCT	Vinyl Composition Tile
VERT	Vertical
VEST	Vestibule
VET	Vinyl Enhanced Tile
VIF	Verify In Field
VIN	Vinyl
VNR	Veneer
VTR	Vent Thru Roof
W	West
W/	With
W/O	Without
WB	Wood base
WC	Water Closet
WD	Wood
WDW	Window
WG	Wire Glass
WH	Wall hung
WIN	Window
WM	Wire mesh
WP	Waterproofing / Work point
WPT	Work point
WR	Water repellent
WS	Waterstop
WSCT	Wainscot
WTW	Wall to wall
WWF	Welded Wire Fabric

GENERAL NOTES

1. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (10) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME AT NO CHANGE IN CONTRACT PRICE.

2. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.

3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.

4. DO NOT SCALE THE DRAWINGS.

5. DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.

6. MATERIALS LISTED ON THE FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED, REFER TO PLANS, DETAILS, INTERIOR ELEVATION, CEILING PLANS, AND NOTES FOR THOSE MATERIALS NOT INDICATED ON THE SCHEDULE BUT ARE STILL REQUIRED IN THE ROOM.

7. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD, HOLLOW METAL, HARDWOODS, MISC. METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT. EXCLUDED FROM THIS IS BRICK.

8. ALL OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS (CMU) ARE TO BE BULLNOSED UNLESS NOTED OTHERWISE.

9. CALL BEFORE YOU DIG. BEFORE DIGGING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF ALL SERVICE LINES.

10. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION.

11. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.

12. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.

13. THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE.

14. IN ACCORDANCE WITH NJAC 5:23-6.6(i), ALL MATERIALS AND METHODS USED SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN N.J.A.C. 5:23-6.8, MATERIALS AND METHODS.

15. WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED IN ACCORDANCE WITH THE FIRE AND/OR SMOKE PROTECTED ASSEMBLY MARKING DETAIL. REFER TO G003 FOR DETAIL.

GENERAL NOTES ON DEMOLITION:

A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.

B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADE SUBCONTRACTOR. ALL EQUIPMENT, DEVICES, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE SUBCONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.

C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.

E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.

F. IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.

G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.

H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.

I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.

J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.

K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE PARTIAL DEMOLITION OF WALLS AT THE POINTS WHERE NEW STEEL CONNECTS TO EXISTING BEAMS OR COLUMNS, THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.

L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.

M. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING - SEE SPECIFICATION.

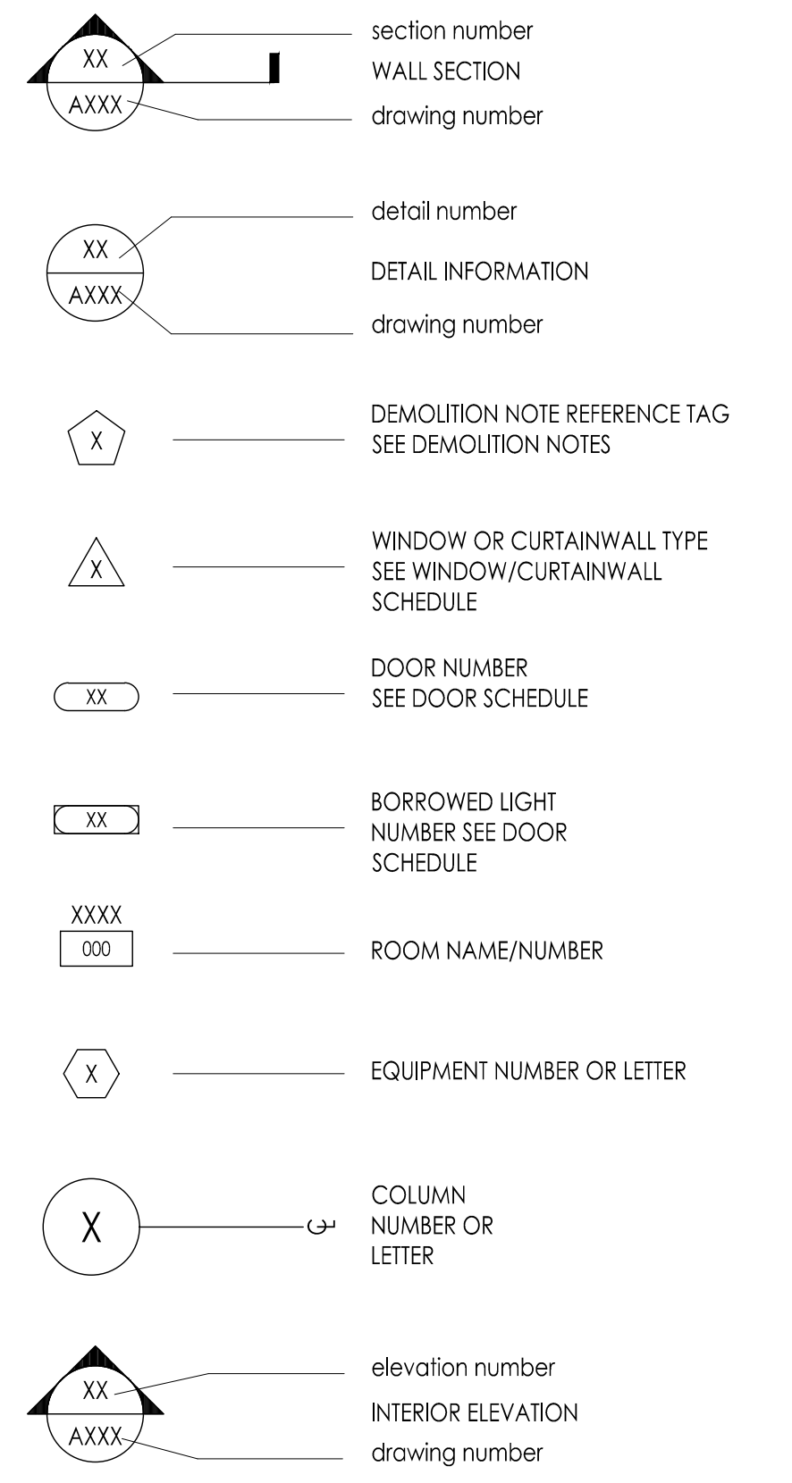
N. THE CONTRACTOR SHALL INSPECT ALL EXISTING ROOF DRAIN PIPING AND CONNECTIONS IN THE WORK AREA TO DETERMINE THAT PROPER "LEAK-PROOF" CONNECTIONS EXIST. IF ANY LEAKS EXIST (IE. DAMAGED PIPES, INSULATION, CLOGS, ETC.), THEN THE CONTRACTOR SHALL CORRECT ANY AND ALL DEFICIENCIES THAT MAY EXIST.

O. IN ROOMS WHERE EXISTING FLOOR FINISH AND BASE ARE INDICATED TO BE REMOVED, IF ASBESTOS TILE IS ENCOUNTERED, STOP REMOVAL AND NOTIFY OWNER IMMEDIATELY. ASBESTOS TILE SHALL BE REMOVED DOWN TO THE EXISTING CONCRETE SLAB AND THE SURFACE PREPARED FOR NEW FINISH BY OTHERS PRIOR TO CONTINUING WITH RENOVATION WORK. AFTER ASBESTOS ABATEMENT, THE GENERAL CONTRACTOR SHALL CLEAN SLAB TO REMOVE ADHESIVES AND INFILL WITH SELF-DRYING FINISHING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES) OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. APPLY NEW FINISH AND BASE - SEE ROOM FINISH SCHEDULE.

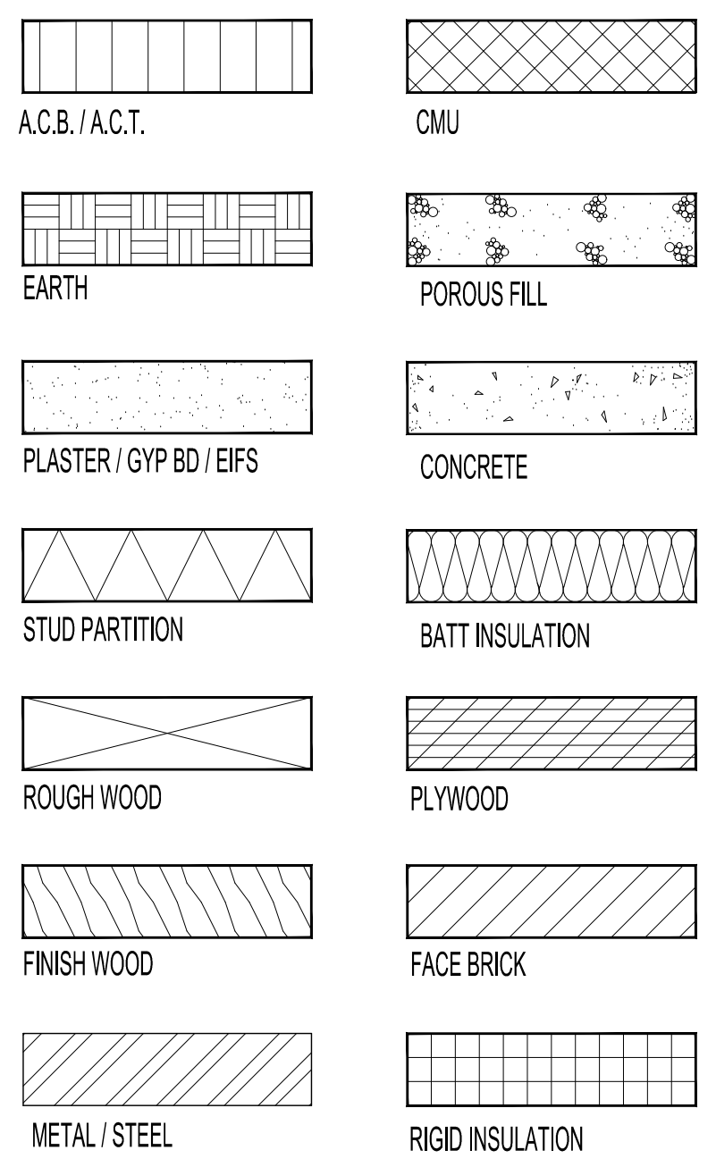
P. IF DURING THE DEMOLITION, RENOVATION AND ALTERATION WORK IN THE EXISTING BUILDING, STRUCTURAL ELEMENTS ARE UNCOVERED AND ARE FOUND TO BE UNSOUND OR OTHERWISE STRUCTURALLY DEFICIENT, THE GENERAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD OF THE CONDITION SO THAT APPROPRIATE MEASURES TO REINFORCE, SUPPORT OR REPLACE THE UNSOUND ELEMENTS CAN BE DESIGNED AND IMPLEMENTED.

Q. CONTRACTOR SHALL MAINTAIN ALL EXISTING FIRE-RATED CONSTRUCTION ASSEMBLIES, INCLUDING PROTECTED OPENINGS (DOORS, ETC.) DURING DEMOLITION AND ALTERATION WORK IN ORDER TO MAINTAIN EXISTING LIFE SAFETY AND EGRESS. CONTRACTOR IS RESPONSIBLE FOR ALL SEQUENCING AND SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES UNTIL NEW WORK IS READY FOR INSTALLATION. CONTRACTOR SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES BEYOND THAT WHICH CAN BE REPLACED IN A SINGLE DAY.

SYMBOL LIST



MATERIAL LEGEND



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FVHDPC.COM

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

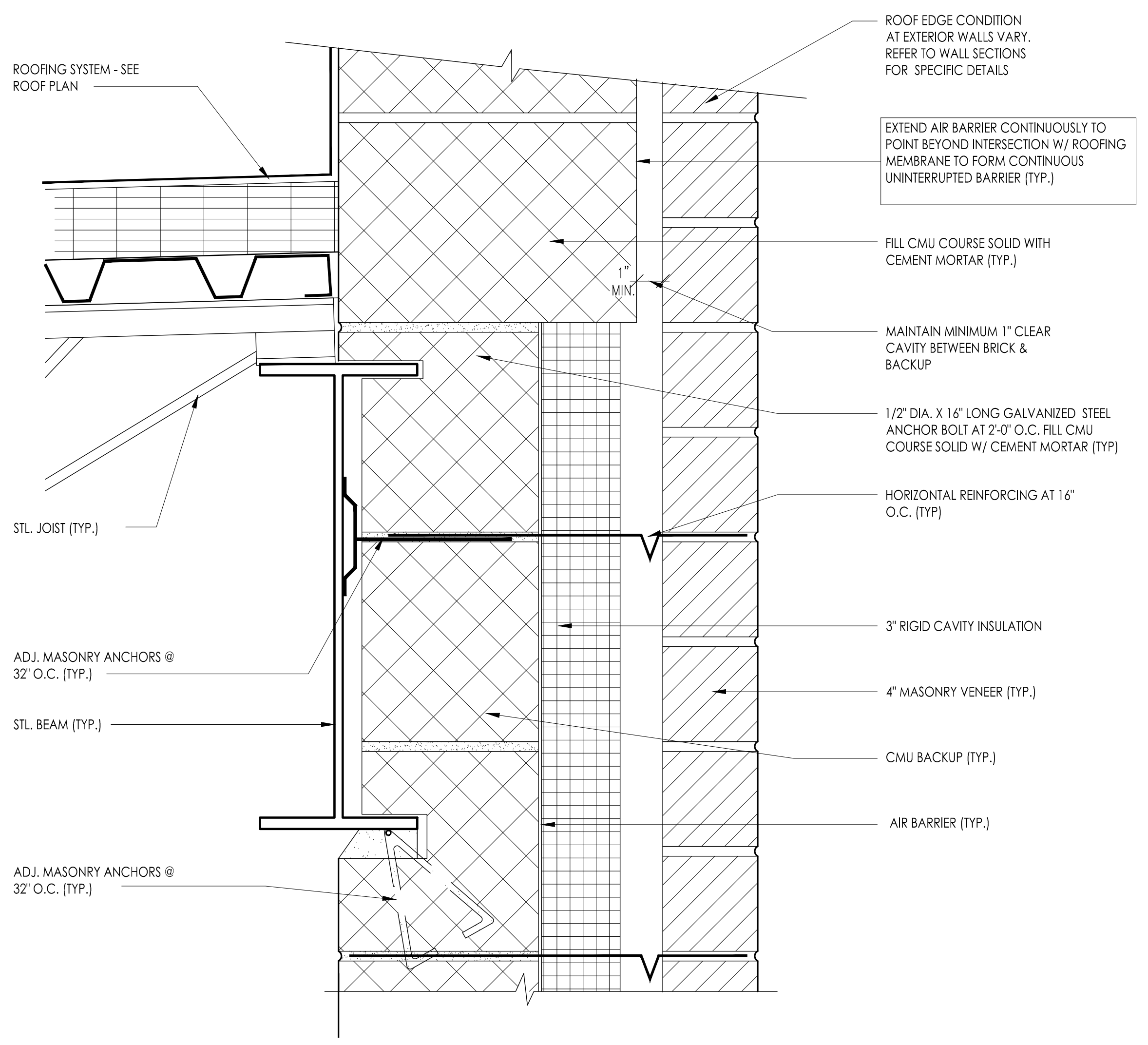
Scale
AS NOTED

Drawing Name
ABBREVIATION LIST, LEGENDS & GENERAL CONSTRUCTION NOTES

Revisions

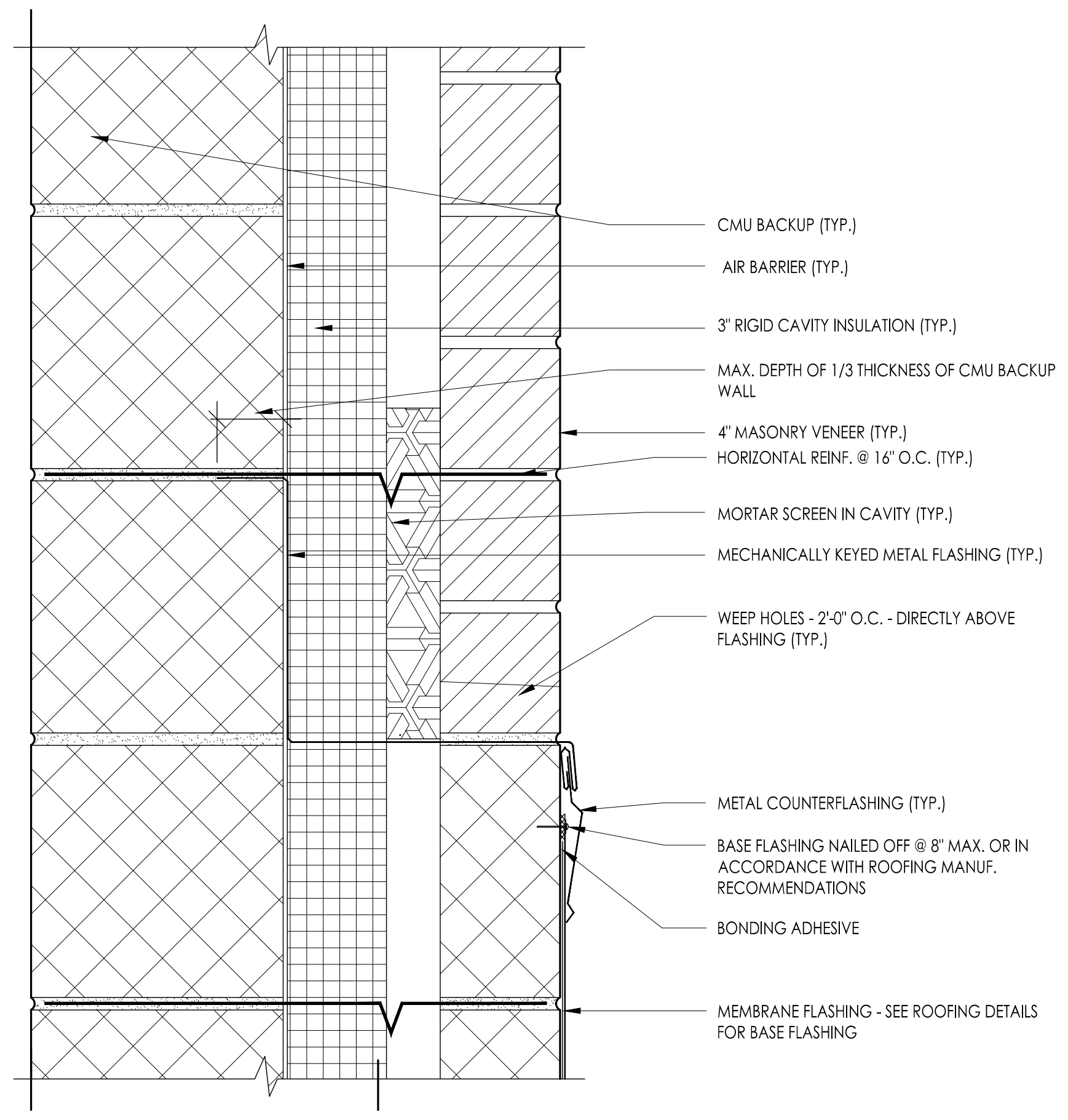
No.	Date	Description
△	10.10.25	NJ DCA SUBMISSION
△	12.10.25	NJ DCA REVISIONS
△	12.10.25	DESIGN REVISIONS
△	01.02.26	NJ DCA REVISIONS
△	01.02.26	DESIGN REVISIONS
△	01.23.26	NJ DCA REVISIONS

Drawing Number
G002


ROOFING SYSTEM - SEE ROOF PLAN
ROOF EDGE CONDITION AT EXTERIOR WALLS VARY. REFER TO WALL SECTIONS FOR SPECIFIC DETAILS
EXTEND AIR BARRIER CONTINUOUSLY TO POINT BEYOND INTERSECTION W/ ROOFING MEMBRANE TO FORM CONTINUOUS UNINTERRUPTED BARRIER (TYP.)
FILL CMU COURSE SOLID WITH CEMENT MORTAR (TYP.)
1" MIN.
MAINTAIN MINIMUM 1" CLEAR CAVITY BETWEEN BRICK & BACKUP
1/2" DIA. X 16" LONG GALVANIZED STEEL ANCHOR BOLT AT 2'-0" O.C. FILL CMU COURSE SOLID W/ CEMENT MORTAR (TYP)
HORIZONTAL REINFORCING AT 16" O.C. (TYP)
STL. JOIST (TYP.)
3" RIGID CAVITY INSULATION
ADJ. MASONRY ANCHORS @ 32" O.C. (TYP.)
4" MASONRY VENEER (TYP.)
STL. BEAM (TYP.)
CMU BACKUP (TYP.)
AIR BARRIER (TYP.)
ADJ. MASONRY ANCHORS @ 32" O.C. (TYP.)

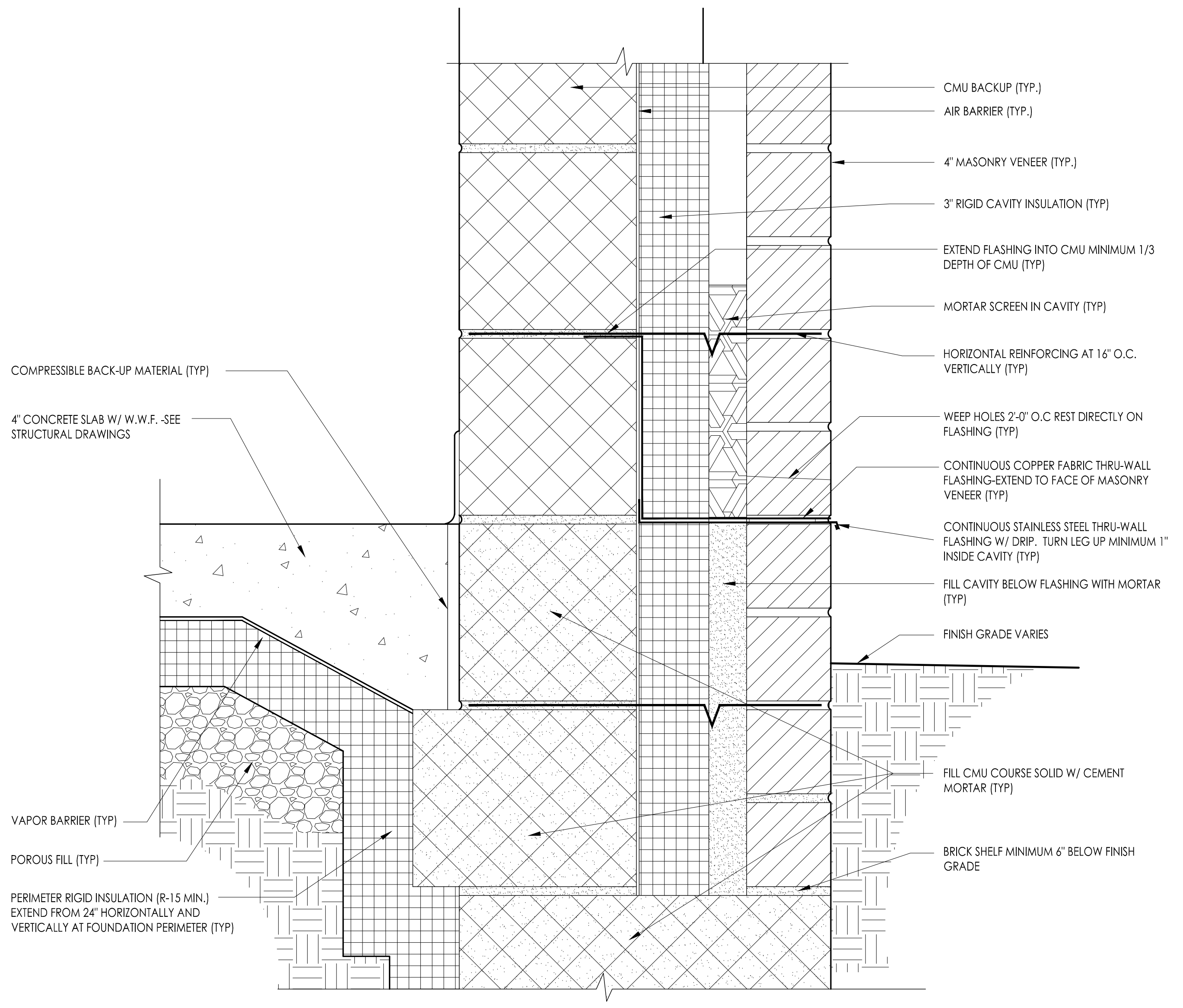
1 TYPICAL TOP OF CAVITYWALL DETAIL

3"=1'-0"


CMU BACKUP (TYP.)
AIR BARRIER (TYP.)
3" RIGID CAVITY INSULATION (TYP.)
MAX. DEPTH OF 1/3 THICKNESS OF CMU BACKUP WALL
4" MASONRY VENEER (TYP.)
HORIZONTAL REINF. @ 16" O.C. (TYP.)
MORTAR SCREEN IN CAVITY (TYP.)
MECHANICALLY KEYED METAL FLASHING (TYP.)
WEEP HOLES - 2'-0" O.C. - DIRECTLY ABOVE FLASHING (TYP.)
METAL COUNTERFLASHING (TYP.)
BASE FLASHING NAILED OFF @ 8" MAX. OR IN ACCORDANCE WITH ROOFING MANUF. RECOMMENDATIONS
BONDING ADHESIVE
MEMBRANE FLASHING - SEE ROOFING DETAILS FOR BASE FLASHING

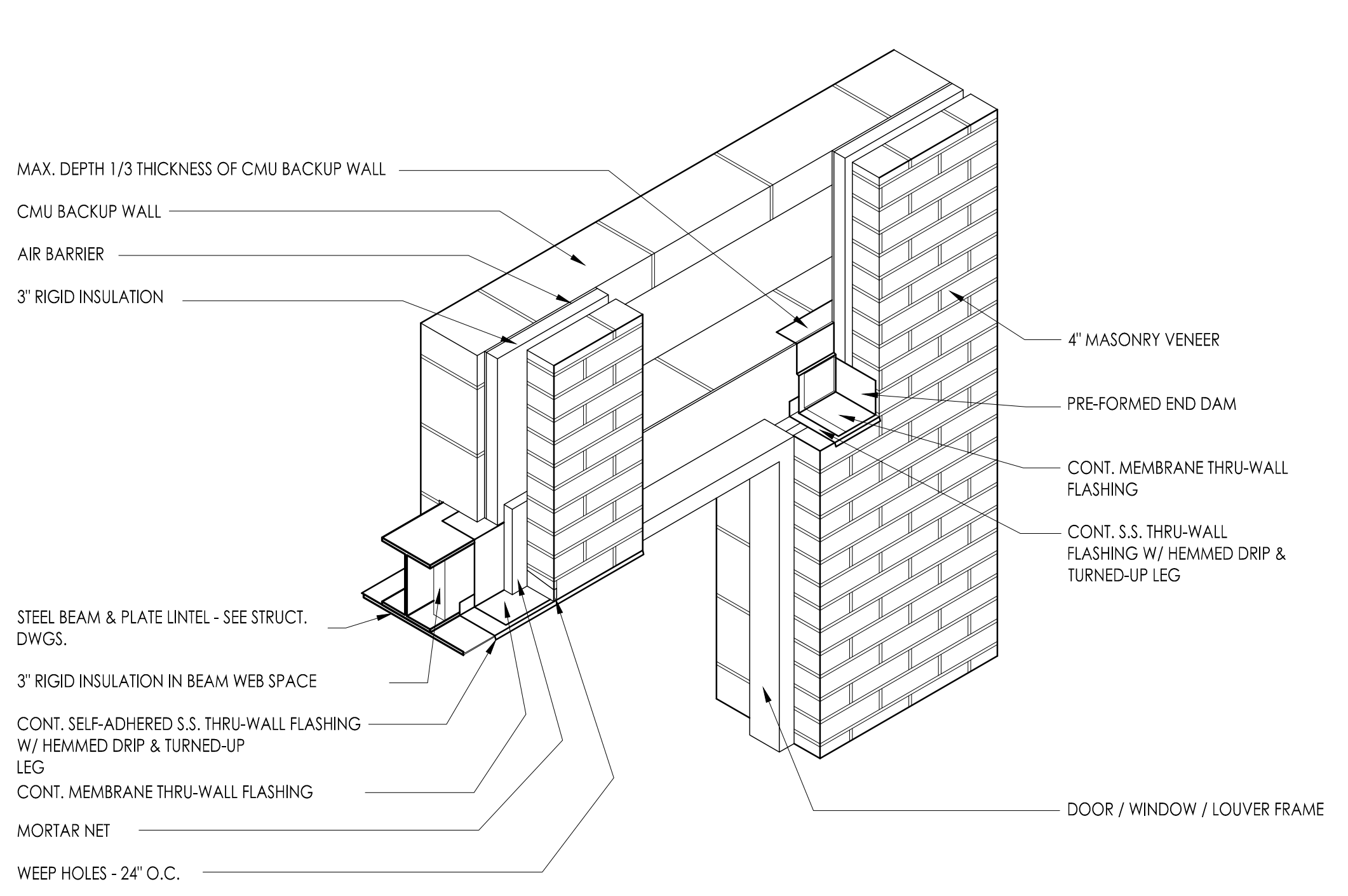
2 TYPICAL THRU-WALL & CAP FLASHING DETAIL AT RISING WALL

3"=1'-0"


CMU BACKUP (TYP.)
AIR BARRIER (TYP.)
4" MASONRY VENEER (TYP.)
3" RIGID CAVITY INSULATION (TYP)
EXTEND FLASHING INTO CMU MINIMUM 1/3 DEPTH OF CMU (TYP)
MORTAR SCREEN IN CAVITY (TYP)
COMPRESSIBLE BACK-UP MATERIAL (TYP)
HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY (TYP)
4" CONCRETE SLAB W/ W.W.F. -SEE STRUCTURAL DRAWINGS
WEEP HOLES 2'-0" O.C REST DIRECTLY ON FLASHING (TYP)
CONTINUOUS COPPER FABRIC THRU-WALL FLASHING-EXTEND TO FACE OF MASONRY VENEER (TYP)
CONTINUOUS STAINLESS STEEL THRU-WALL FLASHING W/ DRIP. TURN LEG UP MINIMUM 1" INSIDE CAVITY (TYP)
FILL CAVITY BELOW FLASHING WITH MORTAR (TYP)
FINISH GRADE VARIES
FILL CMU COURSE SOLID W/ CEMENT MORTAR (TYP)
VAPOR BARRIER (TYP)
POROUS FILL (TYP)
BRICK SHELF MINIMUM 6" BELOW FINISH GRADE
PERIMETER RIGID INSULATION (R-15 MIN.) EXTEND FROM 24" HORIZONTALLY AND VERTICALLY AT FOUNDATION PERIMETER (TYP)

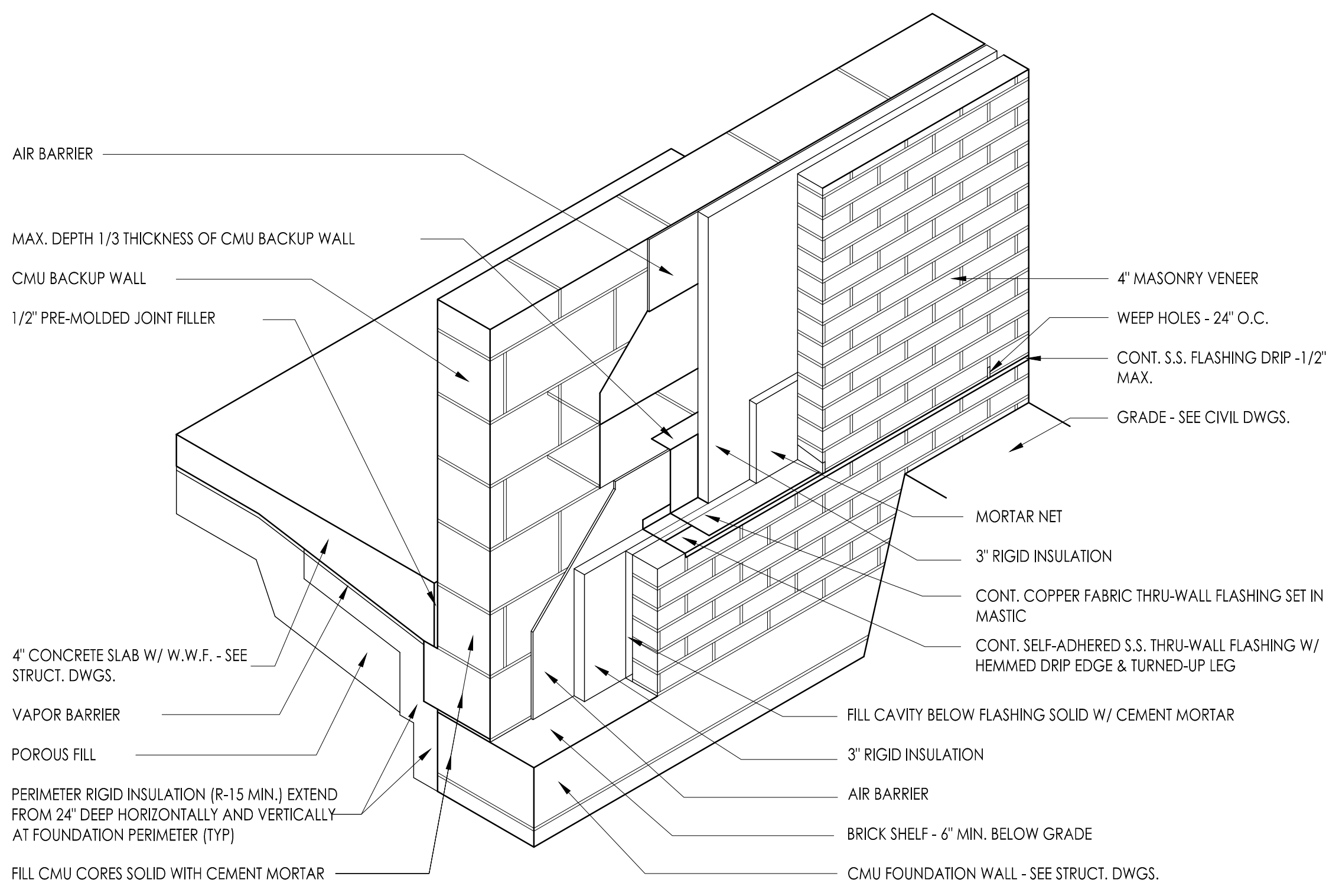
3 TYPICAL THRU-WALL FLASHING DETAIL AT GRADE

3"=1'-0"


MAX. DEPTH 1/3 THICKNESS OF CMU BACKUP WALL
CMU BACKUP WALL
AIR BARRIER
3" RIGID INSULATION
4" MASONRY VENEER
PRE-FORMED END DAM
CONT. MEMBRANE THRU-WALL FLASHING
CONT. S.S. THRU-WALL FLASHING W/ HEMMED DRIP & TURNED-UP LEG
STEEL BEAM & PLATE LINTEL - SEE STRUCT. DWGS.
3" RIGID INSULATION IN BEAM WEB SPACE
CONT. SELF-ADHERED S.S. THRU-WALL FLASHING W/ HEMMED DRIP & TURNED-UP LEG
CONT. MEMBRANE THRU-WALL FLASHING
MORTAR NET
WEEP HOLES - 24" O.C.
DOOR / WINDOW / LOUVER FRAME

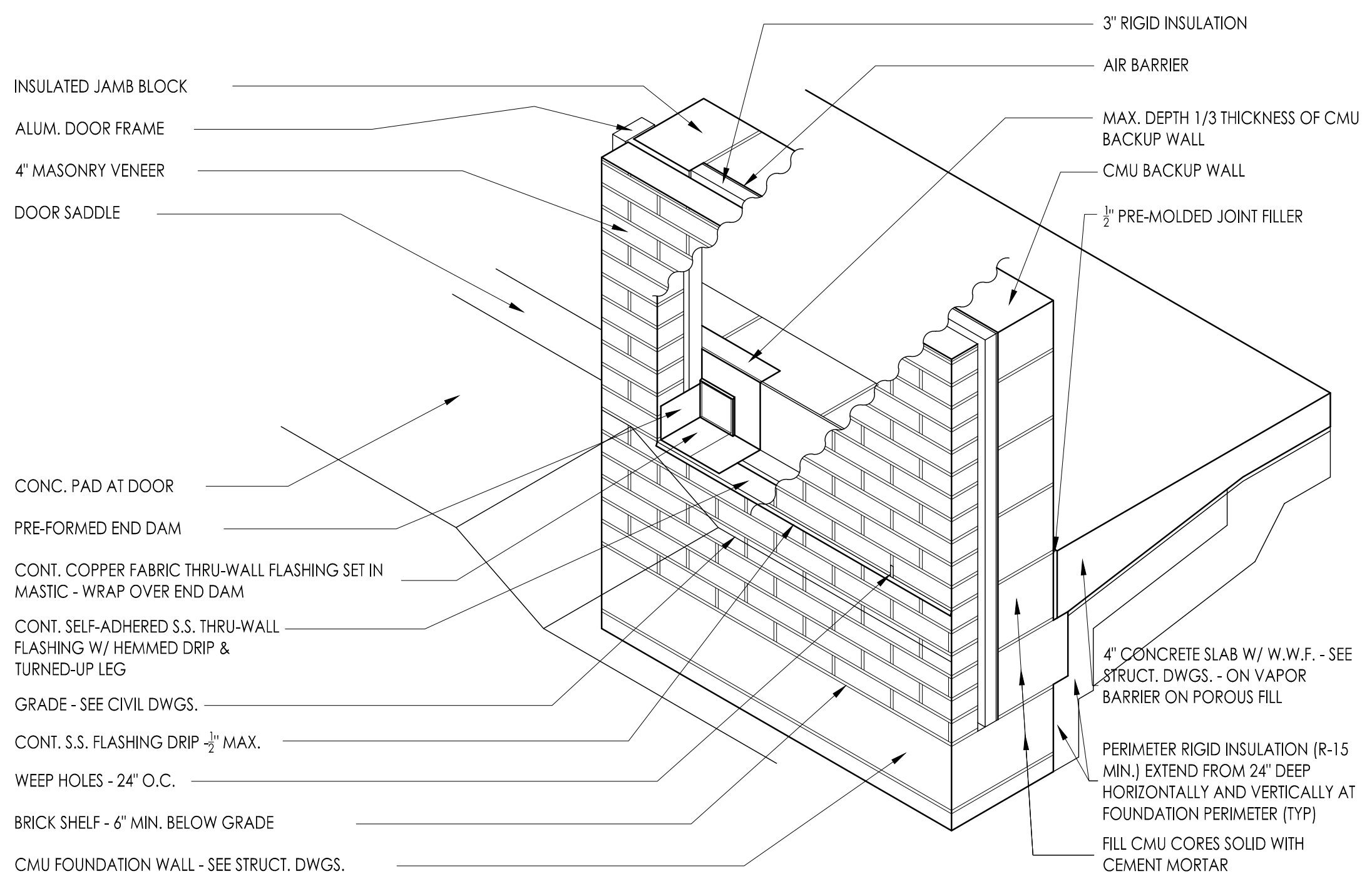
4 TYPICAL THRU-WALL FLASHING DETAIL AT STEEL BEAM & LINTEL

3/4"=1'-0"


AIR BARRIER
MAX. DEPTH 1/3 THICKNESS OF CMU BACKUP WALL
CMU BACKUP WALL
1/2" PRE-MOLDED JOINT FILLER
4" MASONRY VENEER
WEEP HOLES - 24" O.C.
CONT. S.S. FLASHING DRIP -1/2" MAX.
GRADE - SEE CIVIL DWGS.
MORTAR NET
3" RIGID INSULATION
CONT. COPPER FABRIC THRU-WALL FLASHING SET IN MASTIC
CONT. SELF-ADHERED S.S. THRU-WALL FLASHING W/ HEMMED DRIP EDGE & TURNED-UP LEG
4" CONCRETE SLAB W/ W.W.F. - SEE STRUCT. DWGS.
VAPOR BARRIER
FILL CAVITY BELOW FLASHING SOLID W/ CEMENT MORTAR
POROUS FILL
3" RIGID INSULATION
PERIMETER RIGID INSULATION (R-15 MIN.) EXTEND FROM 24" DEEP HORIZONTALLY AND VERTICALLY AT FOUNDATION PERIMETER (TYP)
AIR BARRIER
BRICK SHELF - 6" MIN. BELOW GRADE
FILL CMU CORES SOLID WITH CEMENT MORTAR
CMU FOUNDATION WALL - SEE STRUCT. DWGS.

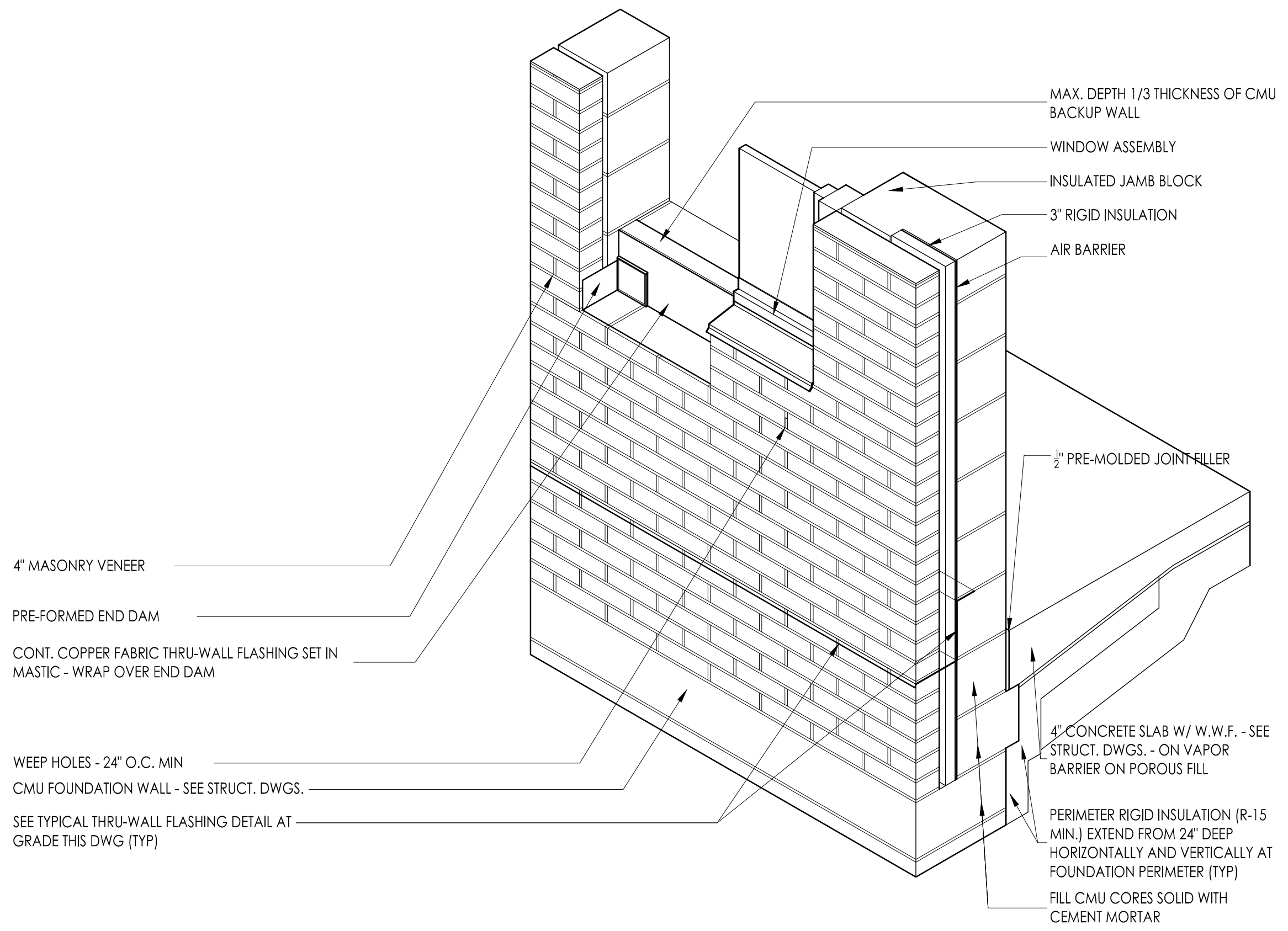
5 TYPICAL THRU-WALL FLASHING AT GRADE

3/4"=1'-0"


3" RIGID INSULATION
AIR BARRIER
INSULATED JAMB BLOCK
ALUM. DOOR FRAME
MAX. DEPTH 1/3 THICKNESS OF CMU BACKUP WALL
4" MASONRY VENEER
CMU BACKUP WALL
DOOR SADDLE
½" PRE-MOLDED JOINT FILLER
CONC. PAD AT DOOR
PRE-FORMED END DAM
CONT. COPPER FABRIC THRU-WALL FLASHING SET IN MASTIC - WRAP OVER END DAM
CONT. SELF-ADHERED S.S. THRU-WALL FLASHING W/ HEMMED DRIP & TURNED-UP LEG
4" CONCRETE SLAB W/ W.W.F. - SEE STRUCT. DWGS. - ON VAPOR BARRIER ON POROUS FILL
GRADE - SEE CIVIL DWGS.
CONT. S.S. FLASHING DRIP ½" MAX.
PERIMETER RIGID INSULATION (R-15 MIN.) EXTEND FROM 24" DEEP HORIZONTALLY AND VERTICALLY AT FOUNDATION PERIMETER (TYP)
WEEP HOLES - 24" O.C.
BRICK SHELF - 6" MIN. BELOW GRADE
FILL CMU CORES SOLID WITH CEMENT MORTAR
CMU FOUNDATION WALL - SEE STRUCT. DWGS.

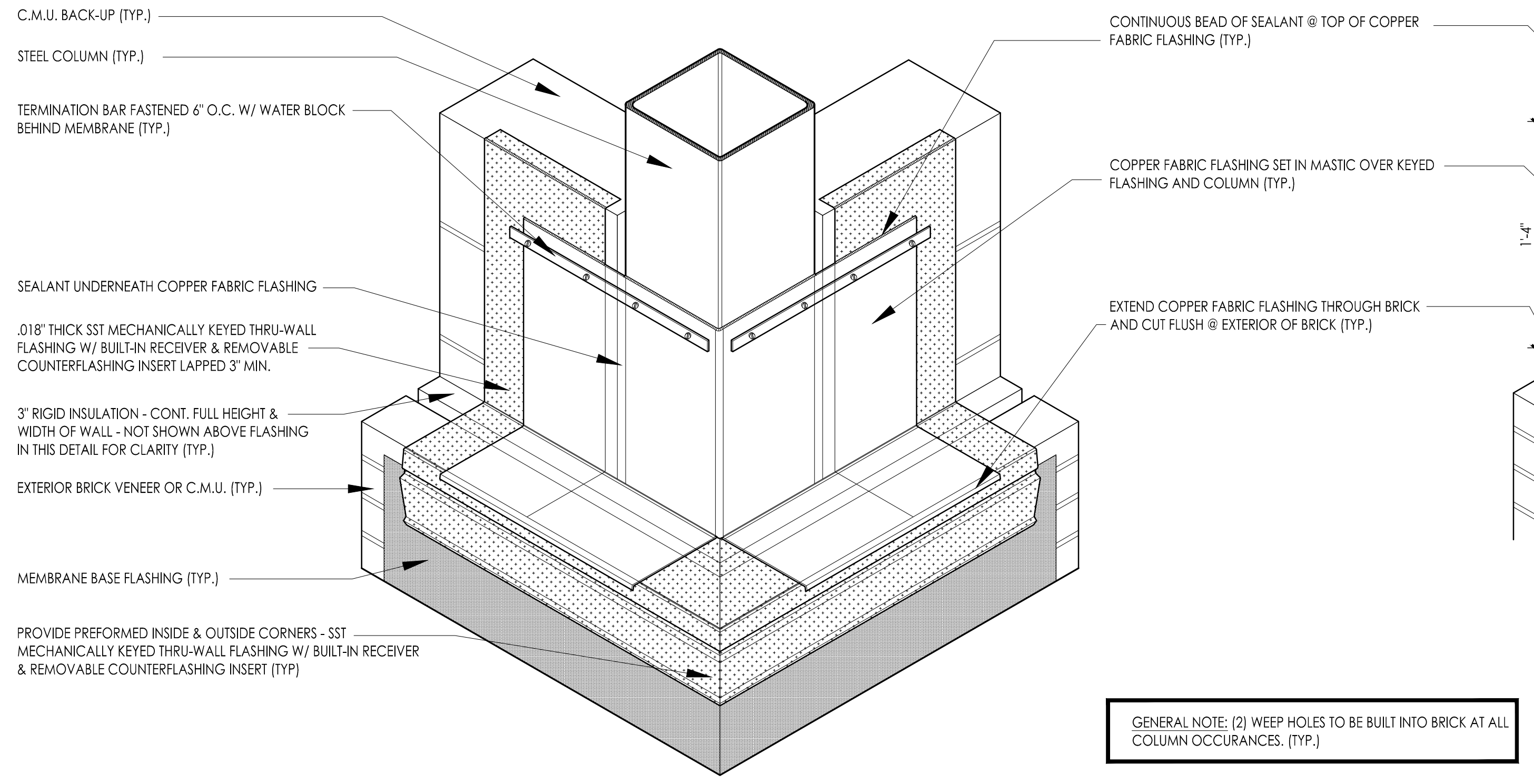
6 TYPICAL WALL BASE FLASHING END DAM DETAIL AT EXTERIOR DOOR OPENING

3/4"=1'-0"


MAX. DEPTH 1/3 THICKNESS OF CMU BACKUP WALL
WINDOW ASSEMBLY
INSULATED JAMB BLOCK
3" RIGID INSULATION
AIR BARRIER
½" PRE-MOLDED JOINT FILLER
4" MASONRY VENEER
PRE-FORMED END DAM
CONT. COPPER FABRIC THRU-WALL FLASHING SET IN MASTIC - WRAP OVER END DAM
4" CONCRETE SLAB W/ W.W.F. - SEE STRUCT. DWGS. - ON VAPOR BARRIER ON POROUS FILL
WEEP HOLES - 24" O.C. MIN
CMU FOUNDATION WALL - SEE STRUCT. DWGS.
SEE TYPICAL THRU-WALL FLASHING DETAIL AT GRADE THIS DWG (TYP)
PERIMETER RIGID INSULATION (R-15 MIN.) EXTEND FROM 24" DEEP HORIZONTALLY AND VERTICALLY AT FOUNDATION PERIMETER (TYP)
FILL CMU CORES SOLID WITH CEMENT MORTAR

7 TYPICAL WALL BASE FLASHING END DAM DETAIL AT WINDOW

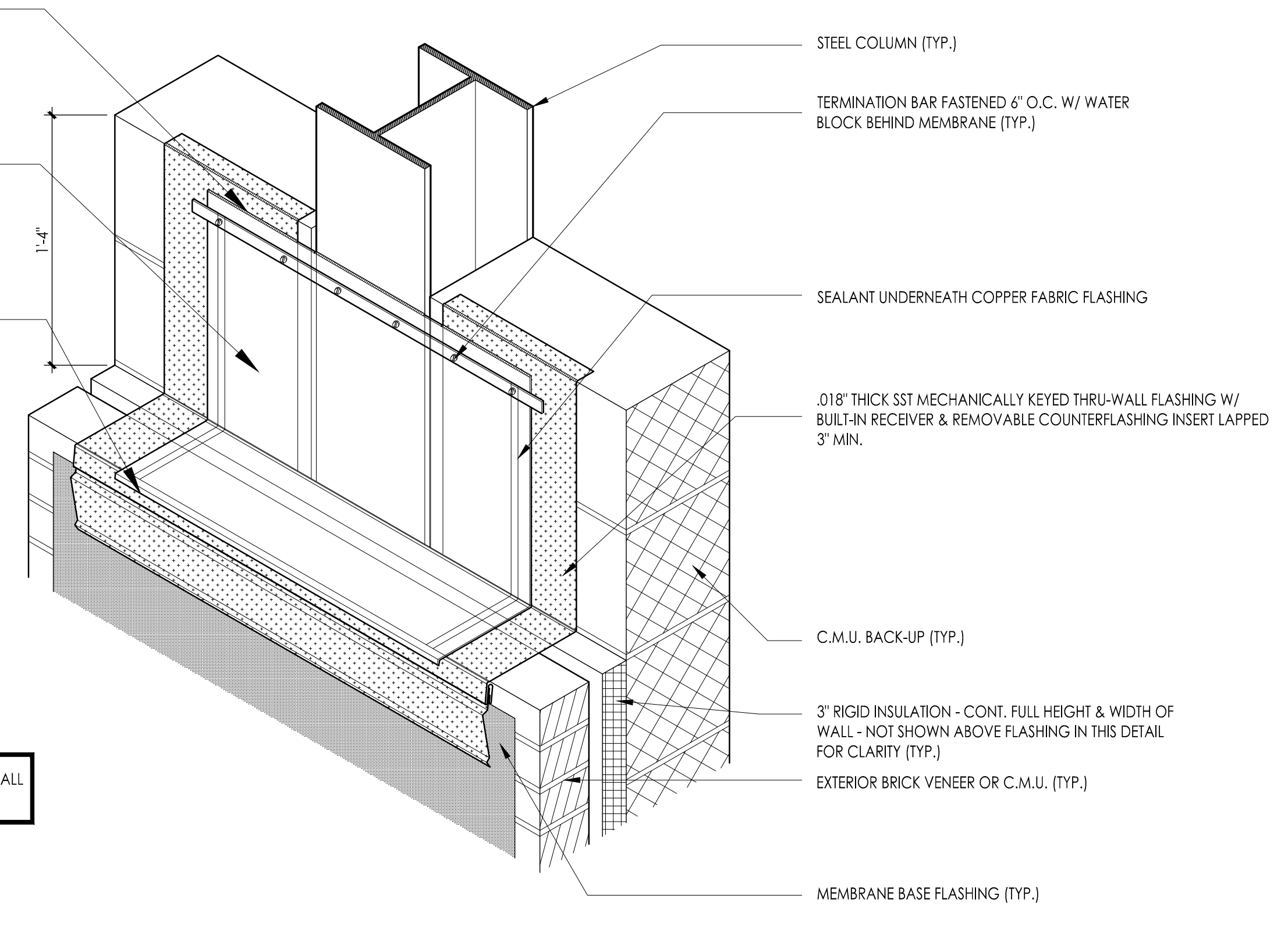
3/4"=1'-0"


C.M.U. BACK-UP (TYP.)
STEEL COLUMN (TYP.)
CONTINUOUS BEAD OF SEALANT @ TOP OF COPPER FABRIC FLASHING (TYP.)
TERMINATION BAR FASTENED 6" O.C. W/ WATER BLOCK BEHIND MEMBRANE (TYP.)
COPPER FABRIC FLASHING SET IN MASTIC OVER KEYED FLASHING AND COLUMN (TYP.)
SEALANT UNDERNEATH COPPER FABRIC FLASHING
EXTEND COPPER FABRIC FLASHING THROUGH BRICK AND CUT FLUSH @ EXTERIOR OF BRICK (TYP.)
.018" THICK SST MECHANICALLY KEYED THRU-WALL FLASHING W/ BUILT-IN RECEIVER & REMOVABLE COUNTERFLASHING INSERT LAPPED 3" MIN.
3" RIGID INSULATION - CONT. FULL HEIGHT & WIDTH OF WALL - NOT SHOWN ABOVE FLASHING IN THIS DETAIL FOR CLARITY (TYP.)
EXTERIOR BRICK VENEER OR C.M.U. (TYP.)
MEMBRANE BASE FLASHING (TYP.)
PROVIDE PREFORMED INSIDE & OUTSIDE CORNERS - SST MECHANICALLY KEYED THRU-WALL FLASHING W/ BUILT-IN RECEIVER & REMOVABLE COUNTERFLASHING INSERT (TYP)

GENERAL NOTE: (2) WEEP HOLES TO BE BUILT INTO BRICK AT ALL COLUMN OCCURANCES. (TYP.)

8 ISOMETRIC CUT AWAY AT CORNER COLUMN (RISING WALL CONDITION)

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


1'-4"
STEEL COLUMN (TYP.)
TERMINATION BAR FASTENED 6" O.C. W/ WATER BLOCK BEHIND MEMBRANE (TYP.)
SEALANT UNDERNEATH COPPER FABRIC FLASHING
.018" THICK SST MECHANICALLY KEYED THRU-WALL FLASHING W/ BUILT-IN RECEIVER & REMOVABLE COUNTERFLASHING INSERT LAPPED 3" MIN.
C.M.U. BACK-UP (TYP.)
3" RIGID INSULATION - CONT. FULL HEIGHT & WIDTH OF WALL - NOT SHOWN ABOVE FLASHING IN THIS DETAIL FOR CLARITY (TYP.)
EXTERIOR BRICK VENEER OR C.M.U. (TYP.)
MEMBRANE BASE FLASHING (TYP.)

9 ISOMETRIC CUT AWAY AT COLUMN (RISING WALL CONDITION)

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

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NJ - 21AI02003100 | PA - RA410435

Architect

2/12/26
Date

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Trenton - New Jersey 08628
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Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
ETS

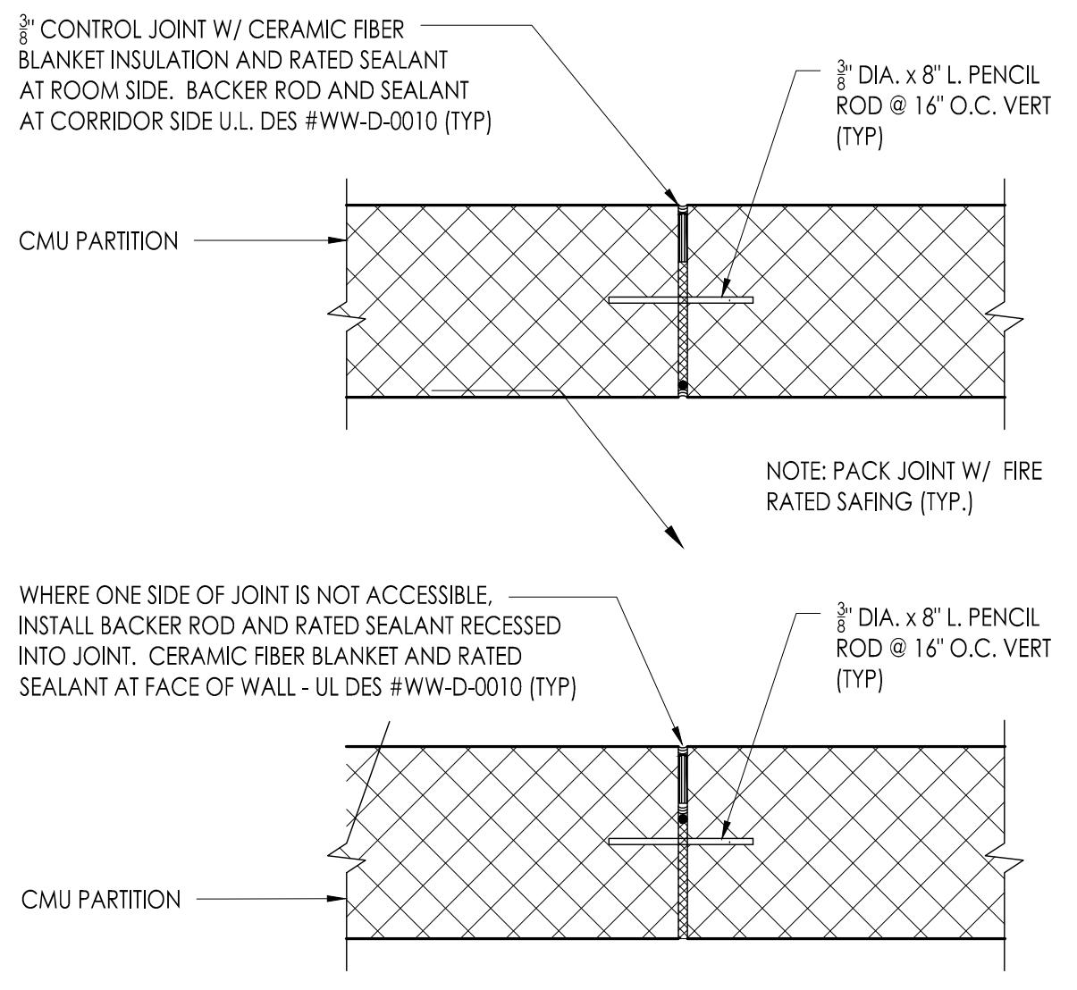
Scale
AS NOTED

Drawing Name
TYPICAL EXTERIOR CONSTRUCTION DETAILS

Revisions

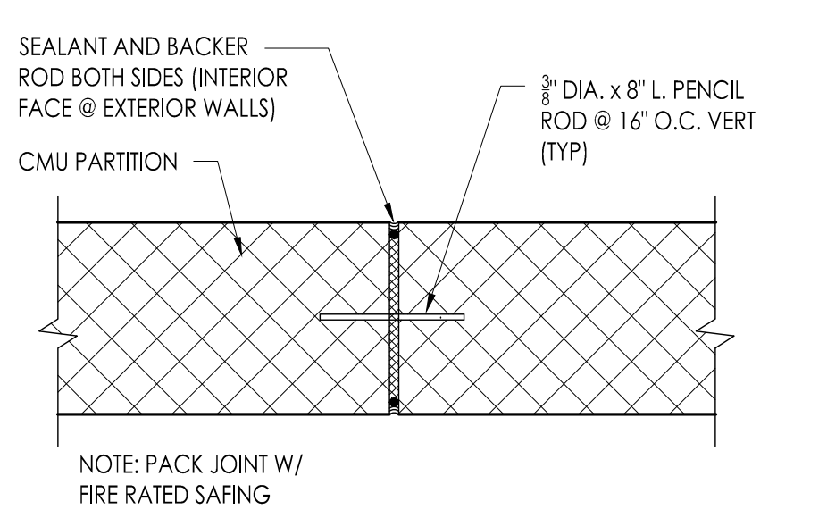
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
G003


3/8" CONTROL JOINT W/ CERAMIC FIBER BLANKET INSULATION AND RATED SEALANT AT ROOM SIDE. BACKER ROD AND SEALANT AT CORRIDOR SIDE U.L. DES #WW-D-0010 (TYP)
3/8" DIA. x 8" L. PENCIL ROD @ 16" O.C. VERT (TYP)
CMU PARTITION
NOTE: PACK JOINT W/ FIRE RATED SAFING (TYP.)
WHERE ONE SIDE OF JOINT IS NOT ACCESSIBLE, INSTALL BACKER ROD AND RATED SEALANT RECESSED INTO JOINT. CERAMIC FIBER BLANKET AND RATED SEALANT AT FACE OF WALL - UL DES #WW-D-0010 (TYP)
3/8" DIA. x 8" L. PENCIL ROD @ 16" O.C. VERT (TYP)
CMU PARTITION

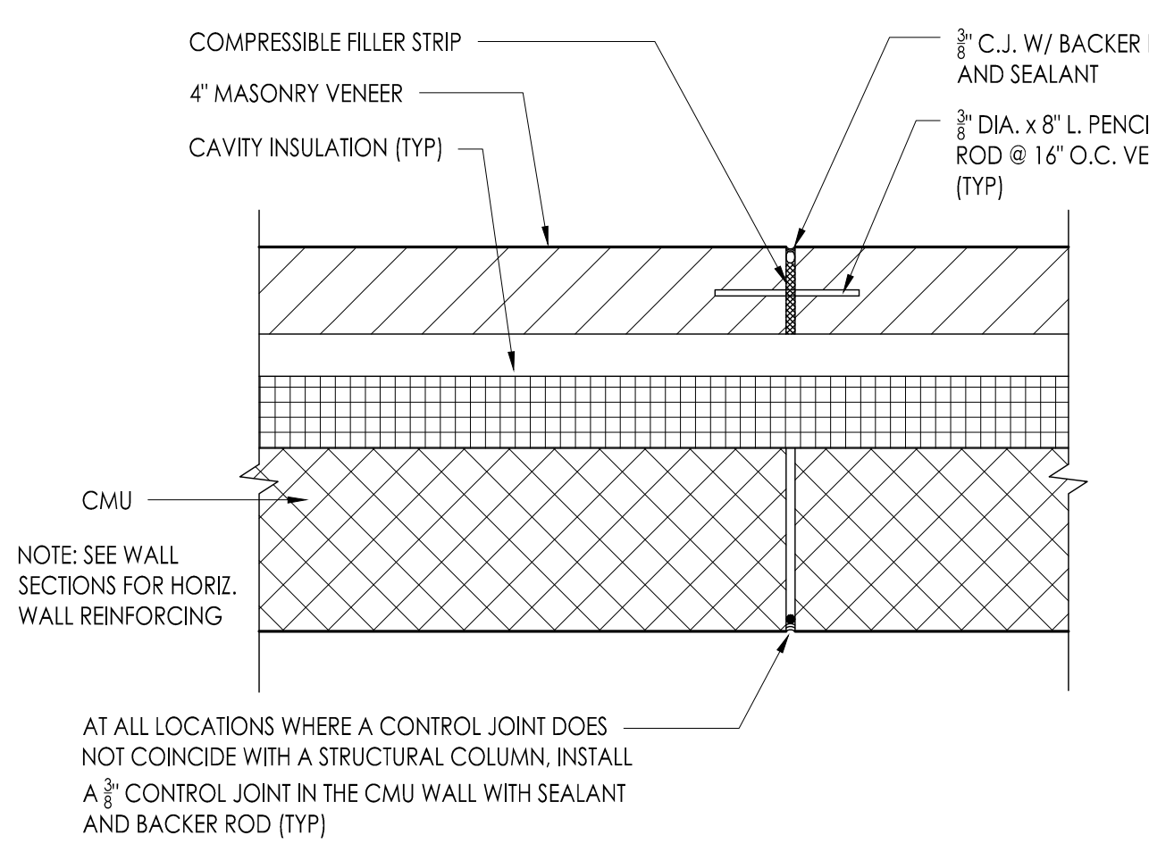
1 TYPICAL CONTROL JOINT (CJ) AT FIRE-RATED INTERIOR CMU WALL

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


SEALANT AND BACKER ROD BOTH SIDES (INTERIOR FACE @ EXTERIOR WALLS)
CMU PARTITION
3/8" DIA. x 8" L. PENCIL ROD @ 16" O.C. VERT (TYP)
NOTE: PACK JOINT W/ FIRE RATED SAFING

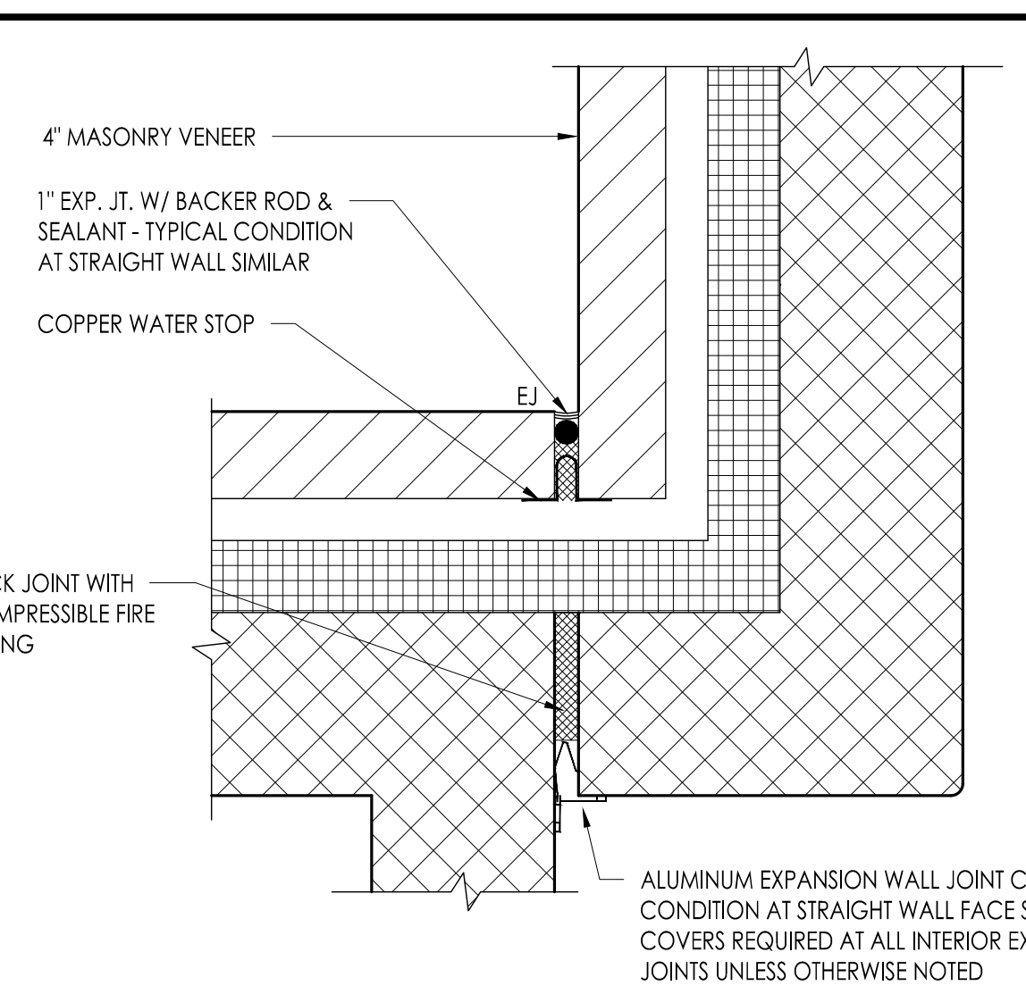
2 TYPICAL CONTROL JOINT (CJ) AT INTERIOR CMU WALL

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


COMPRESSIBLE FILLER STRIP
4" MASONRY VENEER
CAVITY INSULATION (TYP)
3/8" C.J. W/ BACKER ROD AND SEALANT
3/8" DIA. x 8" L. PENCIL ROD @ 16" O.C. VERT. (TYP)
CMU
NOTE: SEE WALL SECTIONS FOR HORIZ. WALL REINFORCING
AT ALL LOCATIONS WHERE A CONTROL JOINT DOES NOT COINCIDE WITH A STRUCTURAL COLUMN, INSTALL A 3/8" CONTROL JOINT IN THE CMU WALL WITH SEALANT AND BACKER ROD (TYP)

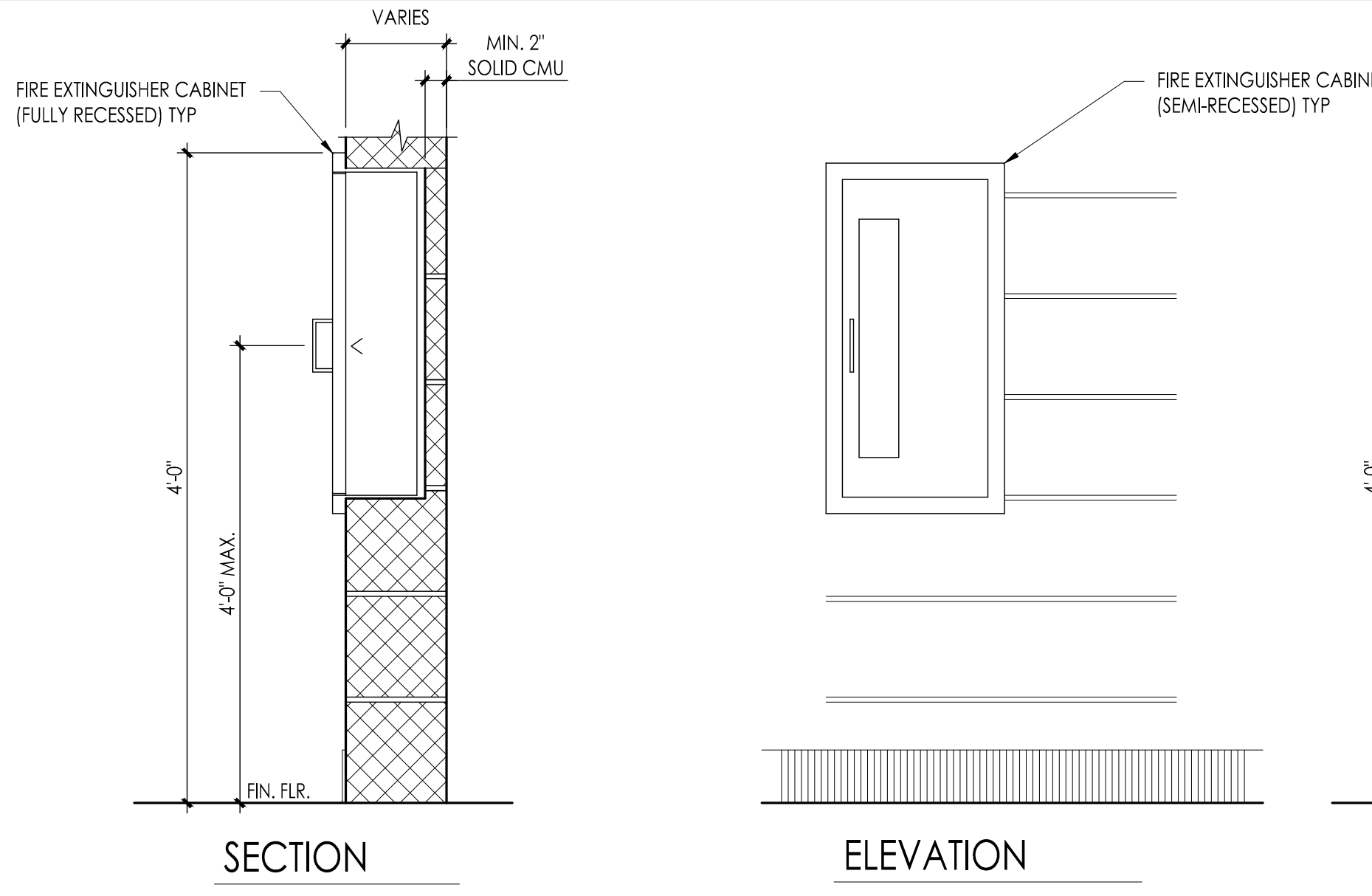
3 TYPICAL CONTROL JOINT (CJ) AT EXTERIOR WALL

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


4" MASONRY VENEER
1" EXP. JT. W/ BACKER ROD & SEALANT - TYPICAL CONDITION AT STRAIGHT WALL SIMILAR
COPPER WATER STOP
EJ
PACK JOINT WITH COMPRESSIBLE FIRE SAFING
ALUMINUM EXPANSION WALL JOINT COVER. CONDITION AT STRAIGHT WALL FACE SIMILAR COVERS REQUIRED AT ALL INTERIOR EXP. JOINTS UNLESS OTHERWISE NOTED

4 TYPICAL EXPANSION JOINT (EJ) AT EXTERIOR AND INTERIOR WALLS

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



TYPICAL DETAIL FOR ALL RECESSED AND SEMI-RECESSED FIRE EXTINGUISHER CABINETS IN (1) HOUR RATED MASONRY WALLS

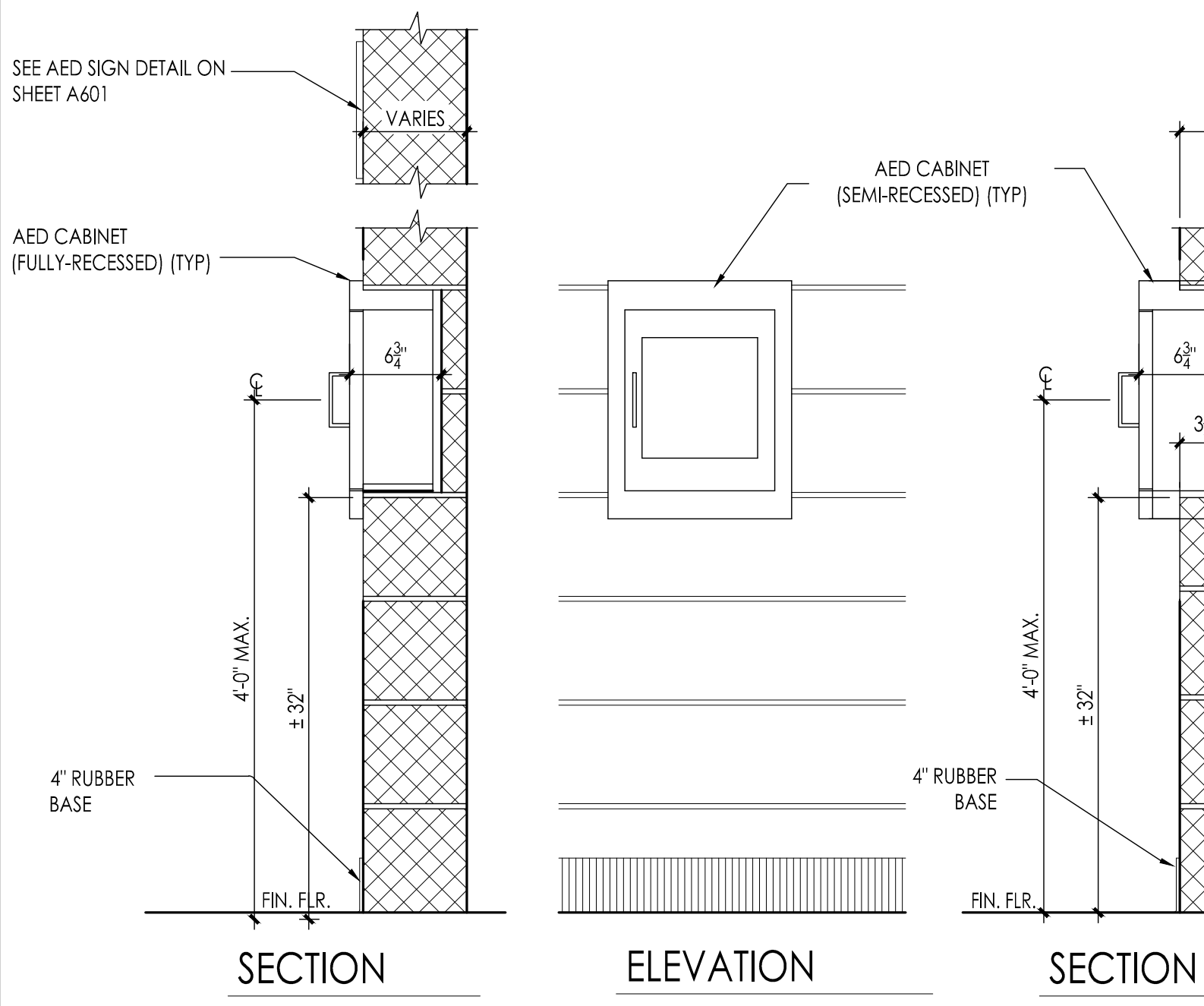
5A FIRE EXTINGUISHER CABINET DETAIL FOR TYPE FE-1 & FE-2

1" = 1'-0"

RESPONSIBILITY CHART

MATERIAL	FURNISHED BY	INSTALLED BY
EQUIPMENT CURB	HVAC CONTRACTOR	HVAC CONTRACTOR
EQUIPMENT FLASHING	GENERAL CONTRACTOR	GENERAL CONTRACTOR
COUNTER FLASHING	HVAC CONTRACTOR	GENERAL CONTRACTOR

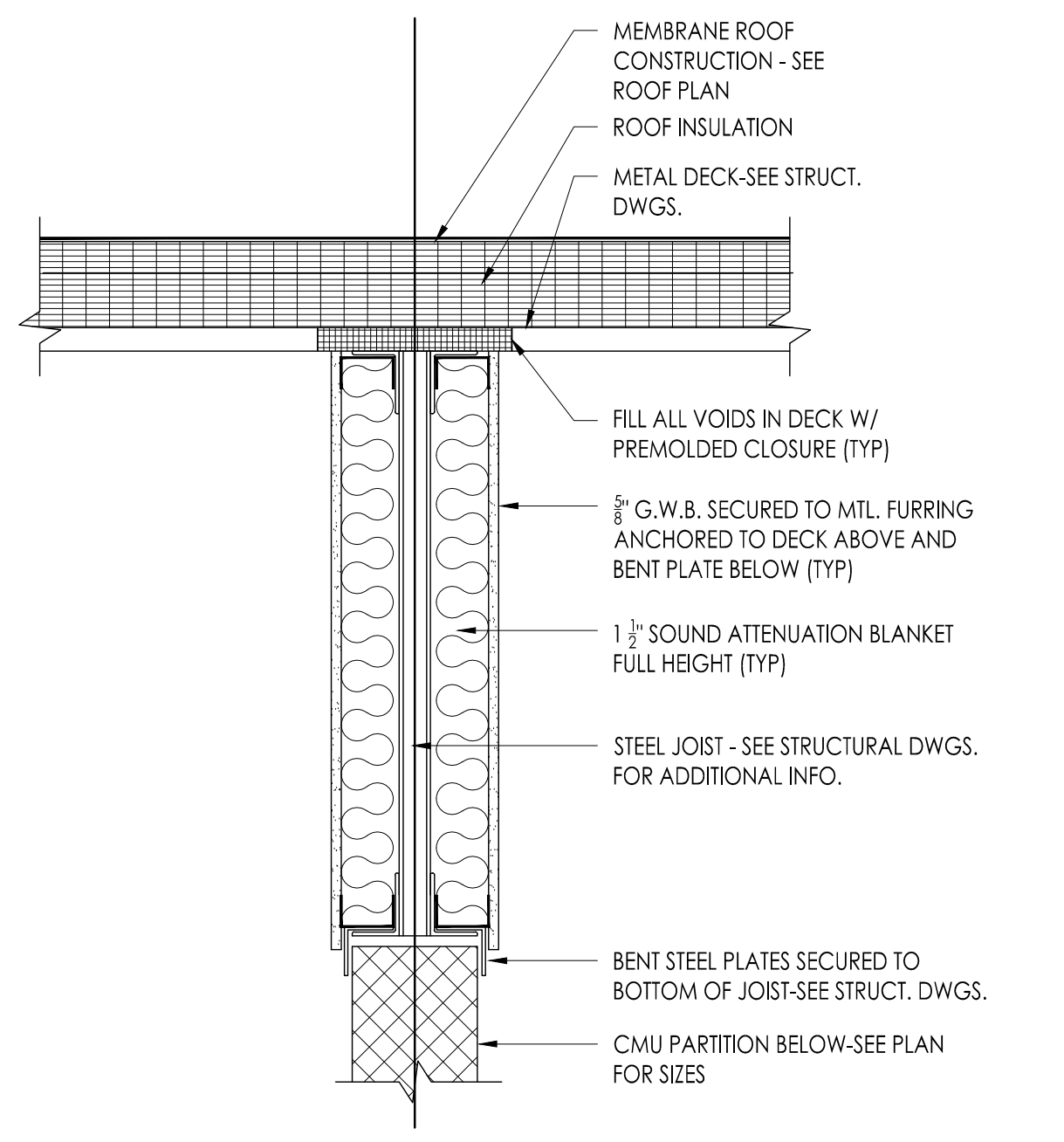
NOTE:
THIS CHART SHALL ONLY APPLY AT CONDITIONS OF NEW ROOF CONSTRUCTION WHERE THERE IS A GENERAL PRIME CONTRACTOR AND AN HVAC PRIME CONTRACTOR CONTRACTED FOR THE PROJECT.



NOTES:
1. TYPICAL DETAIL FOR ALL RECESSED AND SEMI-RECESSED AED CABINETS IN (1) HOUR RATED MASONRY WALLS
2. SEE A/103 FOR LOCATIONS
3. AED DEVICE, NIC. PROVIDED BY OWNER

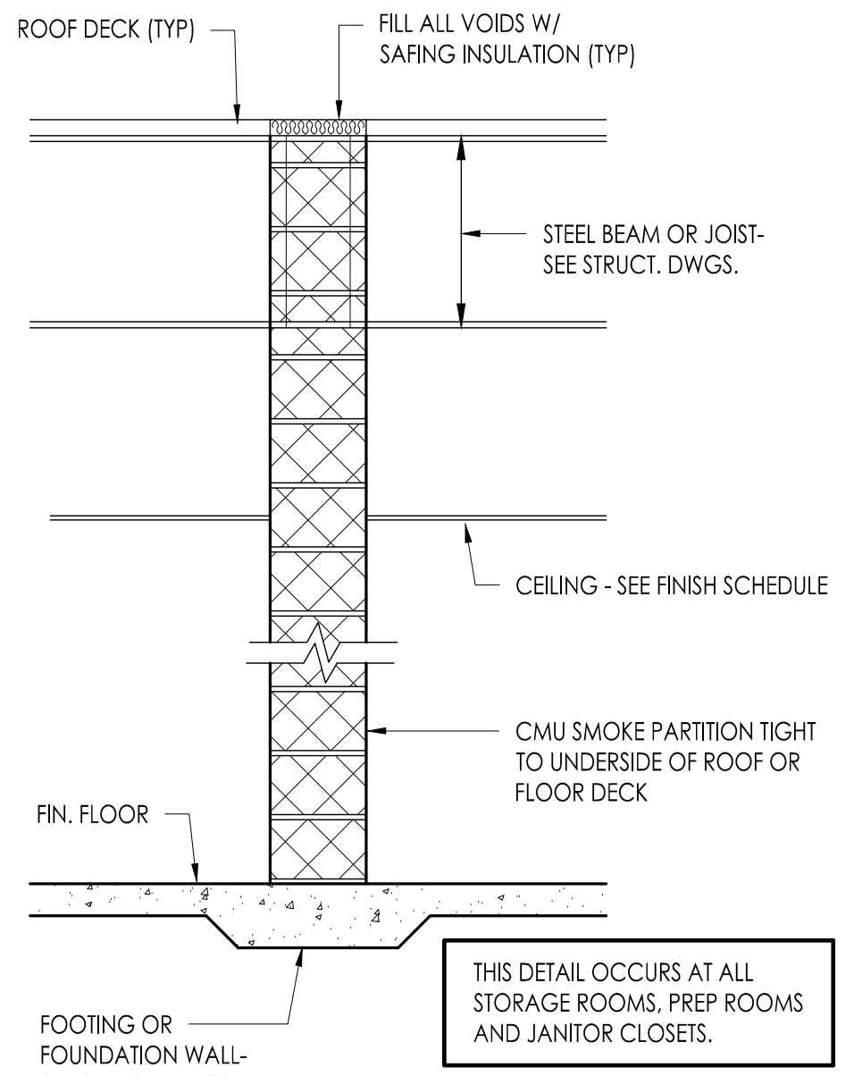
5B AED CABINET DETAILS IN BLOCK WALL: TYPE AED

1" = 1'-0"


MEMBRANE ROOF CONSTRUCTION - SEE ROOF PLAN
ROOF INSULATION
METAL DECK-SEE STRUCT. DWGS.
FILL ALL VOIDS IN DECK W/ PREMOLDED CLOSURE (TYP)
5/8" G.W.B. SECURED TO MTL. FURRING ANCHORED TO DECK ABOVE AND BENT PLATE BELOW (TYP)
1 1/2" SOUND ATTENUATION BLANKET FULL HEIGHT (TYP)
STEEL JOIST - SEE STRUCTURAL DWGS. FOR ADDITIONAL INFO.
BENT STEEL PLATES SECURED TO BOTTOM OF JOIST-SEE STRUCT. DWGS.
CMU PARTITION BELOW-SEE PLAN FOR SIZES

6 TYPICAL CLOSURE DETAIL AT STEEL JOINT & CMU PARTITION CONSTRUCTION

N.T.S.

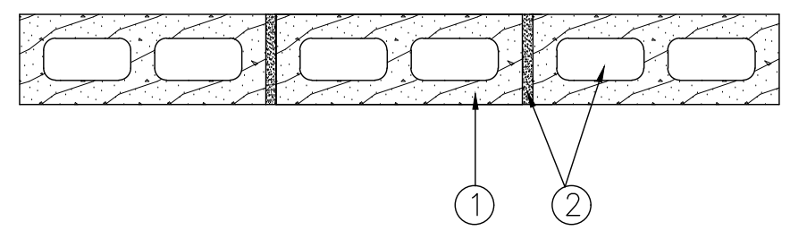

ROOF DECK (TYP)
FILL ALL VOIDS W/ SAFING INSULATION (TYP)
STEEL BEAM OR JOIST-SEE STRUCT. DWGS.
CEILING - SEE FINISH SCHEDULE
CMU SMOKE PARTITION TIGHT TO UNDERSIDE OF ROOF OR FLOOR DECK
FIN. FLOOR
FOOTING OR FOUNDATION WALL-SEE STRUCT. DWGS.
THIS DETAIL OCCURS AT ALL STORAGE ROOMS, PREP ROOMS AND JANITOR CLOSETS.

NOTE: SMOKE PARTITIONS CANNOT BE INTERRUPTED BY STRUCTURAL FRAMING ELEMENTS (SHALL NOT TERMINATE BELOW ANY STRUCTURAL FRAMING ELEMENTS)

7 TYPICAL SMOKE PARTITION DETAIL

1/2" = 1'-0"

Design No. U906
Bearing Wall Rating - 2 HR
Nonbearing Wall Rating - 2 HR



1. Concrete Blocks*- Nominal 6 by 8 in., hollow or solid.
Classification D-2 (2 hr)
Anchor Concrete Products, Inc.
Empire Materials Co.
Florida Rock Industries, Inc.

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

*Bearing the UL Classification Marking

1-HOUR RATED CMU WALLS SHALL BE CONSTRUCTED SAME AS 2-HOUR RATED CMU WALLS (TYPICAL)

8 TYPICAL RATED CONSTRUCTION 6" CONCRETE MASONRY UNITS

N.T.S.

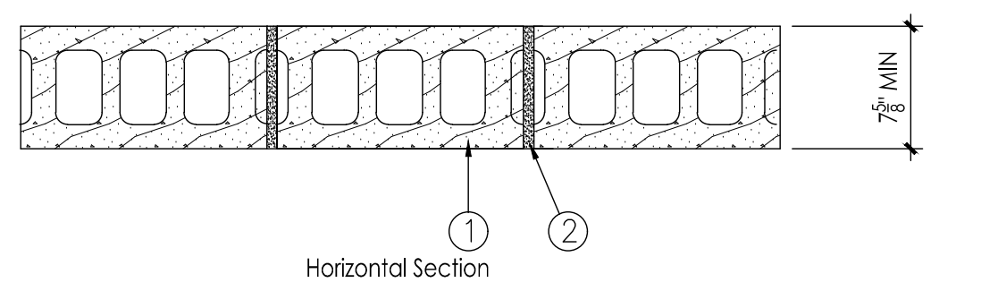
EXISTING FIRE ALARM SYSTEM NOTE

IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM MUST BE TAKEN OUT OF SERVICE FOR ANY LENGTH OF TIME, THE LOCAL FIRE MARSHAL MUST BE CONTACTED AND MUST APPROVE SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING THE EXISTING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.

NOTE THAT TEMPORARILY COVERING EXISTING DETECTION DEVICES TO PREVENT ACCIDENTAL ALARM ACTIVATIONS DUE TO DUST AND DIRT CONSTITUTES A PARTIAL SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM.

Design No. U905
Bearing Wall Rating - 2 HR
Nonbearing Wall Rating - 2 HR



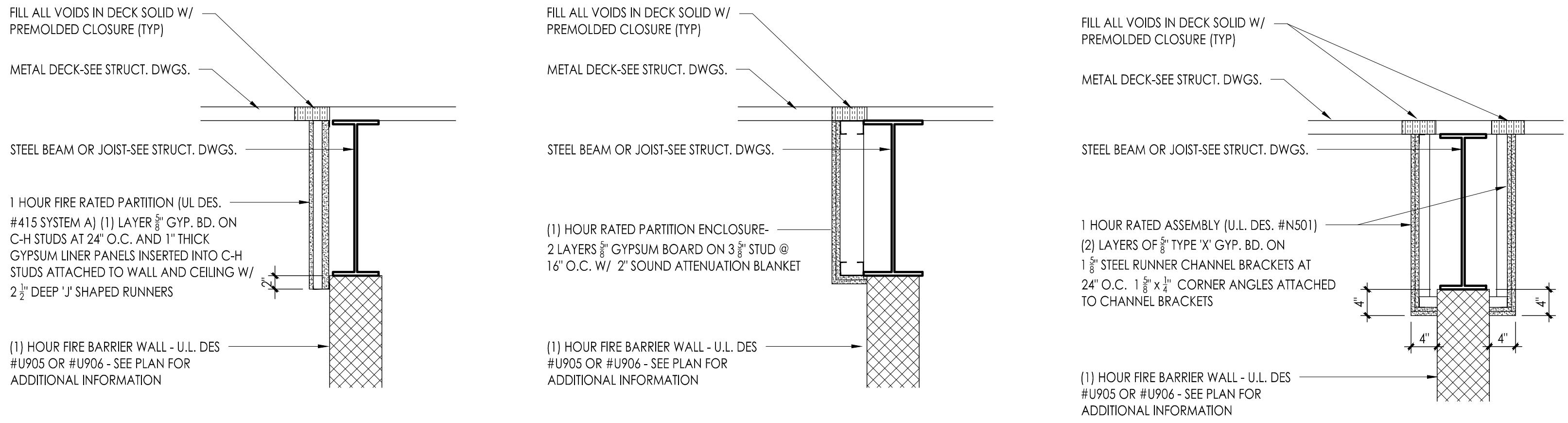
Horizontal Section

1. Concrete Blocks*- Various Designs. Classifications D-2 (2hr).
See Concrete Blocks category for list of eligible manufacturers.
2. Mortar- Blocks laid in full bed of mortar, nom 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

*Bearing the UL Classification Marking

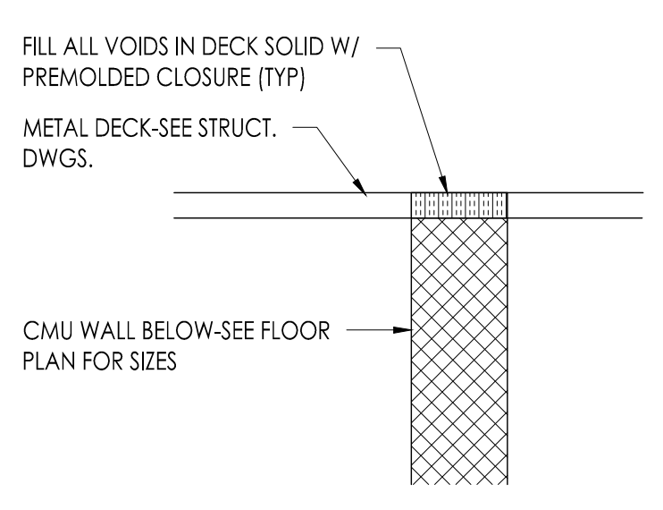
9 TYPICAL RATED CONSTRUCTION 8" CONCRETE MASONRY UNITS

N.T.S.


FILL ALL VOIDS IN DECK SOLID W/ PREMOLDED CLOSURE (TYP)
METAL DECK-SEE STRUCT. DWGS.
STEEL BEAM OR JOIST-SEE STRUCT. DWGS.
1 HOUR FIRE RATED PARTITION (UL DES. #415 SYSTEM A) (1) LAYER 5/8" GYP. BD. ON C-H STUDS AT 24" O.C. AND 1" THICK GYPSUM LINER PANELS INSERTED INTO C-H STUDS ATTACHED TO WALL AND CEILING W/ 2 1/2" DEEP 'J' SHAPED RUNNERS
2"
(1) HOUR FIRE BARRIER WALL - U.L. DES #U905 OR #U906 - SEE PLAN FOR ADDITIONAL INFORMATION
FILL ALL VOIDS IN DECK SOLID W/ PREMOLDED CLOSURE (TYP)
METAL DECK-SEE STRUCT. DWGS.
STEEL BEAM OR JOIST-SEE STRUCT. DWGS.
(1) HOUR RATED PARTITION ENCLOSURE- 2 LAYERS 5/8" GYPSUM BOARD ON 3 5/8" STUD @ 16" O.C. W/ 2" SOUND ATTENUATION BLANKET
(1) HOUR FIRE BARRIER WALL - U.L. DES #U905 OR #U906 - SEE PLAN FOR ADDITIONAL INFORMATION
FILL ALL VOIDS IN DECK SOLID W/ PREMOLDED CLOSURE (TYP)
METAL DECK-SEE STRUCT. DWGS.
STEEL BEAM OR JOIST-SEE STRUCT. DWGS.
1 HOUR RATED ASSEMBLY (U.L. DES. #N501) (2) LAYERS OF 5/8" TYPE 'X' GYP. BD. ON 1 5/8" STEEL RUNNER CHANNEL BRACKETS AT 24" O.C. 1 5/8" x 1/4" CORNER ANGLES ATTACHED TO CHANNEL BRACKETS
4"
4"
4"
4"
(1) HOUR FIRE BARRIER WALL - U.L. DES #U905 OR #U906 - SEE PLAN FOR ADDITIONAL INFORMATION

10 TYPICAL CLOSURE DETAIL AT STEEL BEAM & 1-HR FIRE BARRIER ASSEMBLY

3/4" = 1'-0"


FILL ALL VOIDS IN DECK SOLID W/ PREMOLDED CLOSURE (TYP)
METAL DECK-SEE STRUCT. DWGS.
CMU WALL BELOW-SEE FLOOR PLAN FOR SIZES

11 TYPICAL CLOSURE DETAIL AT METAL DECK & 1-HR FIRE BARRIER ASSEMBLY

3/4" = 1'-0"

FIRE-RATED PENETRATION CHART

CONCRETE OR BLOCK WALLS

TYPE OF PENETRATE	FIRE RATING	UL CLASSIFIED SYSTEM
CIRCULAR BLANK OPENINGS	1	CAJ 0055, CAJ 0070
	2	CAJ 0055, CAJ 0070
	3	CAJ 0055
SINGLE METAL PIPES OR CONDUIT	1	CAJ 1226, WJ 1021
	2	CAJ 1226, WJ 1021
	3	CAJ 1226, WJ 1041, WJ 1042
SINGLE NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT)	1	CAJ 2109, CAJ 2098, CAJ 2167
	2	CAJ 2109, CAJ 2098, CAJ 2167
	3	CAJ 2109, CAJ 2098
SINGLE OR BUNDLED CABLES	1	WJ 3036, CAJ 3095, CAJ 3096
	2	WJ 3036, CAJ 3095, CAJ 3096
	3	CAJ 3095, CAJ 3096
CABLE TRAY	1	WJ 4016, CAJ 4034, CAJ 4035
	2	WJ 4016, CAJ 4034, CAJ 4035
	3	CAJ 4034, CAJ 4035
SINGLE INSULATED PIPES	1	CAJ 5090, CAJ 5091, CAJ 5061
	2	CAJ 5090, CAJ 5091, CAJ 5061
	3	CAJ 5090, CAJ 5061
ELECTRICAL BUSWAY	1	CAJ 6006, CAJ 6017
	2	CAJ 6006, CAJ 6017
	3	CAJ 6006, CAJ 6017
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	CAJ 7046, CAJ 7051, WJ 7021, WJ 7022
	2	CAJ 7046, CAJ 7051, WJ 7021, WJ 7022
	3	CAJ 7046, CAJ 7051
MIXED PENETRANTS	1	CAJ 8041, CAJ 8056, WJ 8007
	2	CAJ 8041, CAJ 8056, WJ 8007
	3	CAJ 8041, CAJ 8056, WJ 8007

CONCRETE FLOORS

TYPE OF PENETRANT	FIRE RATING	UL CLASSIFIED SYSTEM
CIRCULAR BLANK OPENINGS	1	FA 0006, CAJ 0055, CAJ 0070
	2	FA 0006, CAJ 0055, CAJ 0070
	3	FA 0006, CAJ 0055
SINGLE METAL PIPES OR CONDUIT	1	CAJ 1226, FA 1017
	2	CAJ 1226, FA 1017
	3	CAJ 1226, FA 1017
SINGLE NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT)	1	FA 2053, FA 2025, CAJ 2109, CAJ 2098, CAJ 2141, CAJ 2167, CBJ 2021
	2	FA 2053, FA 2025, CAJ 2109, CAJ 2098, CAJ 2141, CAJ 2167, CBJ 2021
	3	FA 2054, CAJ 2109, CAJ 2098
SINGLE OR BUNDLED CABLES	1	FA 3007, CAJ 3095, CAJ 3096
	2	FA 3007, CAJ 3095, CAJ 3096
	3	FA 3007, CAJ 3095, CAJ 3096
CABLE TRAY	1	CAJ 4034, CAJ 4035
	2	CAJ 4034, CAJ 4035
	3	CAJ 4034, CAJ 4035
SINGLE INSULATED PIPES	1	FA 5015, FA 5016, CAJ 5090, CAJ 5091, CAJ 5098
	2	FA 5015, FA 5016, CAJ 5090, CAJ 5091, CAJ 5098
	3	FA 5016, CAJ 5090
ELECTRICAL BUSWAY	1	CAJ 6006, CAJ 6017
	2	CAJ 6006, CAJ 6017
	3	CAJ 6006, CAJ 6017
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	CAJ 7046, CAJ 7051
	2	CAJ 7046, CAJ 7051
	3	CAJ 7046, CAJ 7051
MIXED PENETRANTS	1	CAJ 8041, CAJ 8056
	2	CAJ 8041, CAJ 8056
	3	CAJ 8041, CAJ 8056

GYPSUM WALLBOARD ASSEMBLIES

TYPE OF PENETRANT	FIRE RATING	UL CLASSIFIED SYSTEM
METAL PIPES OR CONDUIT	1	WL 1054, WL 1058, WL 1164
	2	WL 1054, WL 1058, WL 1164
NON-METALLIC PIPES OR CONDUIT	1	WL 2078, WL 2075, WL 2128
	2	WL 2078, WL 2075, WL 2128
SINGLE OR BUNDLED CABLES	1	WL 3065, WL 3111, WL 3112
	2	WL 3065, WL 3111, WL 3112
CABLE TRAY	1	WL 4011, WL 4019
	2	WL 4011, WL 4019
INSULATED PIPES	1	WL 5028, WL 5029, WL 5047
	2	WL 5028, WL 5029, WL 5047
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	WL 7017, WL 7040, WL 7042
	2	WL 7040, WL 7042
MIXED PENETRANTS	1	WL 1095, WL 8013
	2	WL 1095, WL 8013

13 U.L. ASSEMBLIES AT CONCRETE OR BLOCK WALL PENETRATIONS

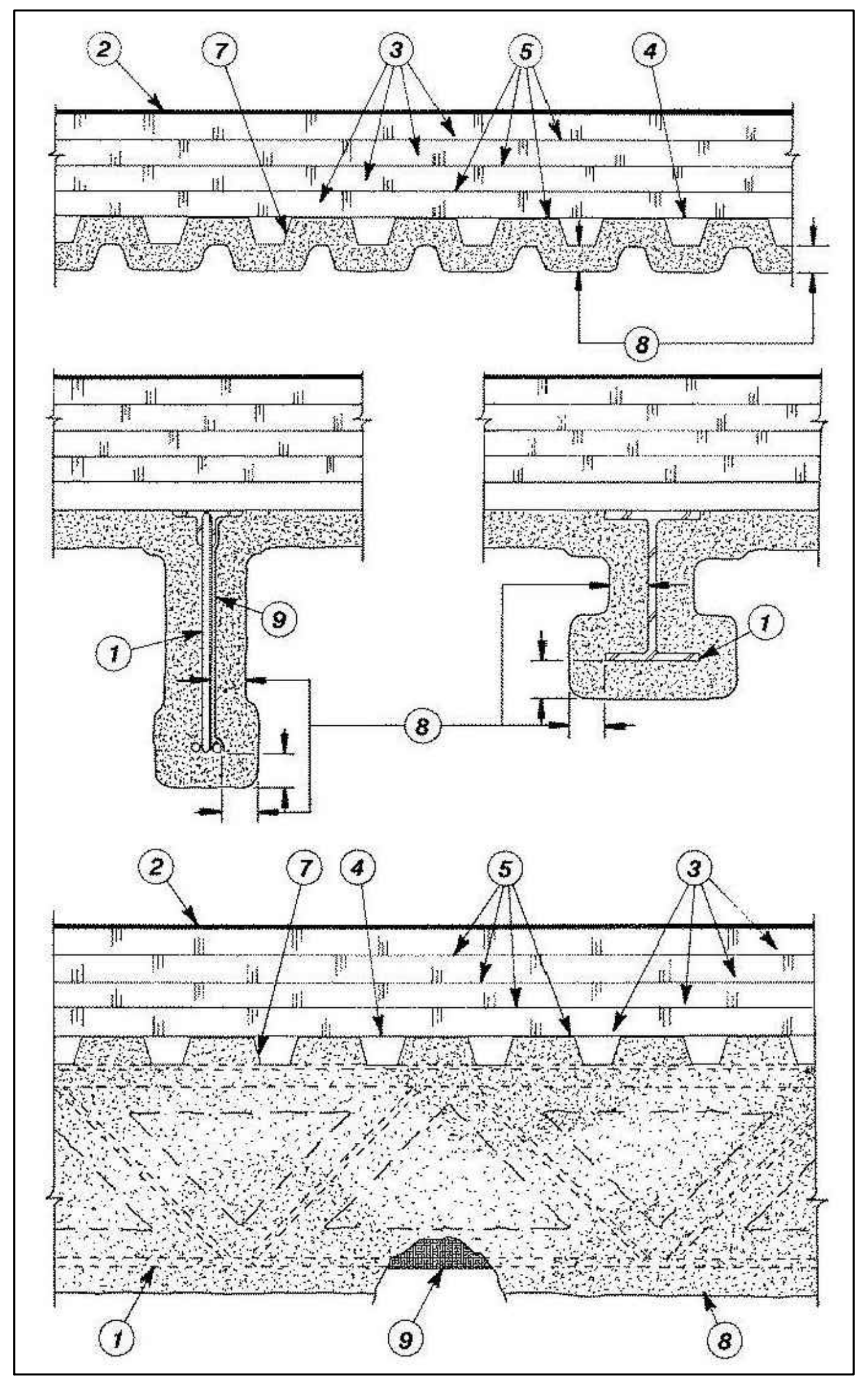
N.T.S.

14 U.L. ASSEMBLIES AT CONCRETE FLOOR PENETRATIONS

N.T.S.

15 U.L. ASSEMBLIES AT GYPSUM WALL BOARD PENETRATIONS

N.T.S.



Design No. P723
Restrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr
(See Items 3 and 8)
Unrestrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr
(See Items 3 and 8)
Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 3 and 8)
Restricted Load Condition — See Item 8

1. Steel Supports — W6x16 steel beam, 10K1 or 12K5 steel joists min size (See Item 8).

2A. In lieu of Item 2, roof covering consisting of single-ply Roofing Membranes* — that is either ballasted, adhered or mechanically attached as permitted under the respective manufacturer's Classification. See Roofing Membranes (CHCI) category for names of manufacturers.

2B. Metal Roof Deck Panels — (Not Shown) — In addition to or in lieu of items 2 or 2A, the Roof Covering may consist of mechanically fastened metal roof deck panel assembly. See Fire Resistance Directory — Metal Roof Deck Panels (CETW).

3. Roof Insulation — Foamed Plastics* — 36 by 48 in. (min size) polyisocyanurate foamed plastic insulation boards applied in one or more layers. Min thickness is 2.0 in. (No limit on max overall thickness.) Boards to be installed with end joints staggered a min of 6 in. in adjacent rows. When applied in more than one layer, each layer to be offset in both directions from layer below a min of 6 in. in order to lap all joints. Polyisocyanurate foamed plastic insulation may be installed over a max 1 in. thick layer of Mineral and Fiber Boards* (Item 3B) with each layer offset in both directions as described above.

3A. Roof Insulation — Mineral and Fiber Boards* — (Not Shown) For 1, 1-1/2 and 2 h Ratings— As an alternate to Item 3. To be applied in one or more layers with or without adhesive applied between vapor barrier and roof deck units, vapor barrier and board and each layer of board. When more than one layer is required, each layer of board to be offset in both directions from layer below a min of 6 in. in order to lap all joints. Min thickness is 2 in. when Item 2A is used. When installed as a base layer for Item 3 (polyisocyanurate roof insulation) max thickness is 1 in.

4. Vapor Retarder — Sheathing Material* — (Optional) — Vinyl film or paper scrim vapor barrier, applied to steel roof deck with adhesive (Item 5), asphalt (Item 5A) or laid loosely, overlapped approx 2 in. on adjacent sheets. See Sheathing Materials (CHIZ) category for names of manufacturers.

4A. Sheathing Material* — (Optional) — In lieu of Item 4, a self adhered rubberized asphalt roofing underlayment membrane which may be placed on top of the steel roof deck (Item 7).

5. Adhesive* — (Optional) — May be applied between crests of steel roof deck and vapor retarder, between vapor retarder and first layer of insulation, and between layers of insulation. Applied in 1/2 in. wide ribbons 6 in. OC at 0.4 gal/100 sq ft. See Adhesives (BYWR) category for names of manufacturers.

6. Mechanical Fasteners — (Optional — Not Shown) — Mechanical screw-type fastener with metal washer designed for the purpose may be used to attach one or more layers of insulation to steel roof deck.

7. Steel Roof Deck — (Unclassified) — Min 1-1/2 in. deep and 30 or 36 in. wide galv or painted fluted steel deck. When unclassified painted steel roof deck is used, Item 8A, Metal Lath, is required. Flutes 6 in. OC with crest width ranging from 3-5/8 to 5-1/16 in. Min gauge is 22 MSG. Ends overlapped at supports min 1-1/2 in. and welded to supports at deck laps and a max of 12 in. OC between sides of units. Side laps of adjacent units welded, button-punched or secured together with No. 12 by 3/4 in. long self-drilling, self-tapping steel screws spaced a max of 36 in. OC.Classified Steel Floor and Form Units* — Noncomposite, 1-1/2 in. deep, galv units, min gauge is 22 MSG. Ends overlapped at supports min 1-1/2 in. and welded to supports at deck laps and a max of 12 in. OC between sides of units. Side laps of adjacent units welded, button-punched or secured together with No. 12 by 3/4 in. long self-drilling, self-tapping steel screws spaced a max of 36 in. OC.

8. Spray-Applied Fire Resistive Materials* — Applied by mixing with water and spraying in more than one coat to the thickness shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min average and min individual density of 15 and 14 pcf, respectively. For method of density determination, see Design Information Section, Sprayed Material. Spray-Applied Fire Resistive Materials on steel deck shall cover screw tips by 1/2 in. min. Use of adhesive (Item 11) is required.

The min thicknesses of Spray-Applied Fire Resistive Materials required for various fire resistance ratings are shown in the table below:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Protection Mtl Thkns In. on Deck#	Protection Mtl Thkns In. on Beam	Protection Mtl Thkns In. on Joist
1	1	1	7/8	7/16	1-3/4*
1	1	1	1-7/16+	7/16	1-3/4*
1-1/2	1-1/2	1-1/2	1-3/16	9/16	1-3/16
1-1/2	1-1/2	1-1/2	2+	9/16	1-3/16
2	1	1	1-7/16	11/16	1-3/16
2	1-1/2	1-1/2	1-7/16	11/16	1-3/16
2	2	2	1-7/16	13/16	1-3/16
2	2	2	2-5/8+	13/16	1-3/16
3	1-1/2	1-1/2	1-7/16	1-3/16	1-5/8 (1-1/2**)
3	2	2	1-7/8	1-3/16	1-5/8 (1-1/2**)
3	3	3	1-7/8	1-1/4	1-5/8 (1-1/2**)

#The required minimum thickness of Spray-Applied Fire Resistive Materials on the steel deck is increased by 1/16 in. for 1-1/2 hr Unrestrained Assembly Rating and 1/4 in. for 2 hr Unrestrained Assembly Rating when Item 5B is used.

+No minimum insulation thickness required.

*-The 3/4 in. thickness may be applied when numeral and fiber board insulation is used or when the joist is limited to max tensile stress of 26,000 psi.

**-The 1-1/2 in. thickness may be applied when minimum size joist is 12K5.

9. Glass Fiber Mesh — (Optional) — May be used to facilitate the spray application of the protection material to the steel bar joists. Min 3/32 in. sq mesh, coated fiberglass scrim fabric, weighing a min of 1.9 oz/sq yd shall be attached to one side of each joist web member. The method of attachment must be sufficient to hold the mesh and fire protection material during application and curing of the material. An acceptable method of attaching the mesh is by embedding the mesh in min 1/4 in. long beads of hot-melted glue. The beads of glue shall be spaced min 12 in. OC along the top chord of the bar joists. Another method of attachment is the use of 1-1/4 in. long 1/2 in. wide hairpin clips formed from 0.064 in. diam steel wire, alternating from top to bottom of the joist web member.

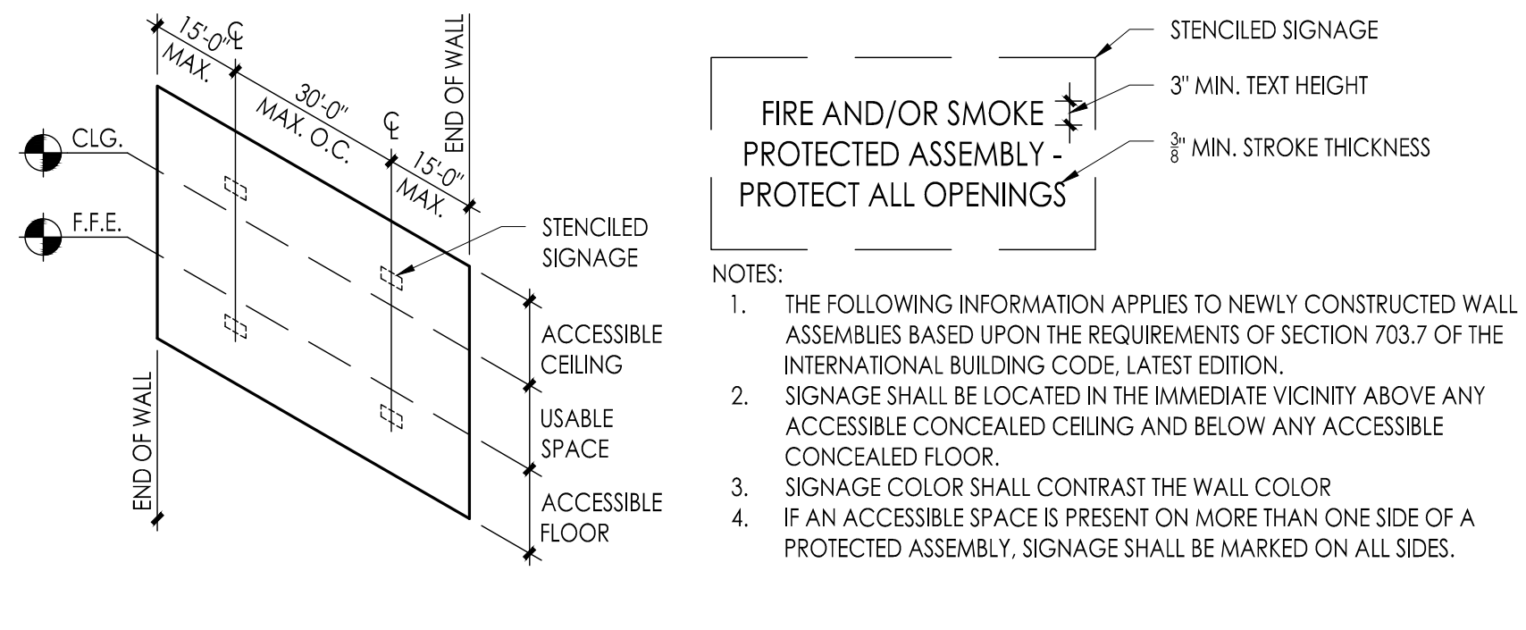
10. Bridging — (Not Shown) — Min 1-1/4 by 1-1/4 by 1/8 in. thick steel angles welded to top and bottom chords of each joist. Number and spacing of bridging angles per Steel Joist Institute specification. Bridging coated with the same thickness of Spray-Applied Fire Resistive Materials as the joist to a min distance of 12 in. beyond each side of the joist.

11. Adhesive* — Applied to steel roof deck in accordance with manufacturer's instructions.

*Bearing the UL Classification Mark

17 TYPICAL RATED CONSTRUCTION - STEEL BEAMS, JOIST, AND STEEL DECK- UL DESIGN # U-P723

N.T.S.



NOTES:
1. THE FOLLOWING INFORMATION APPLIES TO NEWLY CONSTRUCTED WALL ASSEMBLIES BASED UPON THE REQUIREMENTS OF SECTION 703.7 OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.
2. SIGNAGE SHALL BE LOCATED IN THE IMMEDIATE VICINITY ABOVE ANY ACCESSIBLE CONCEALED CEILING AND BELOW ANY ACCESSIBLE CONCEALED FLOOR.
3. SIGNAGE COLOR SHALL CONTRAST THE WALL COLOR
4. IF AN ACCESSIBLE SPACE IS PRESENT ON MORE THAN ONE SIDE OF A PROTECTED ASSEMBLY, SIGNAGE SHALL BE MARKED ON ALL SIDES.

18 FIRE AND/OR SMOKE PROTECTED ASSEMBLY MARKING DETAIL

Scale: N.T.S.

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
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JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
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Fraytak Veisz Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

2/12/26
Architect
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln, Princeton, NJ 085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
ETS

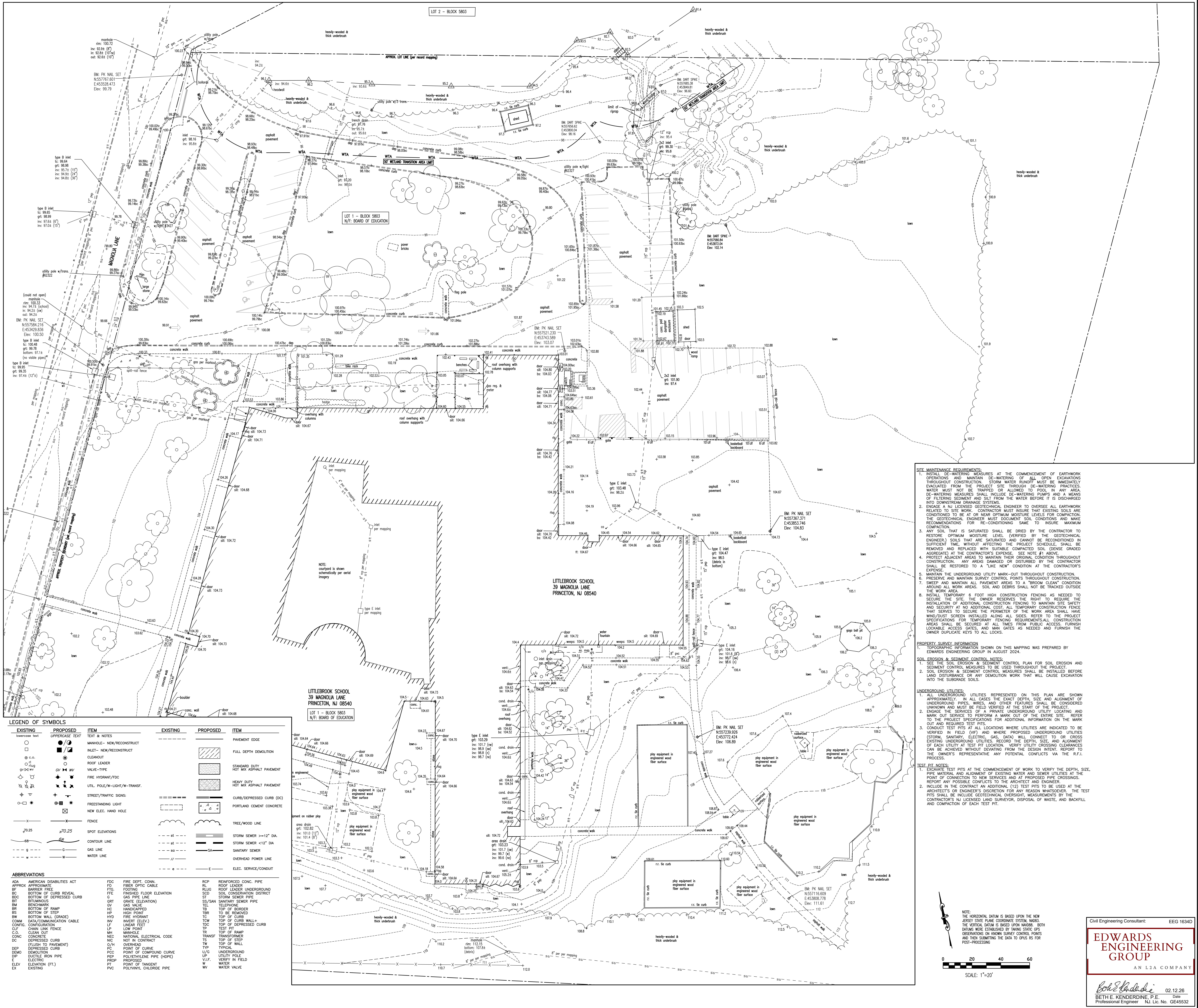
Scale
AS NOTED

Drawing Name
TYPICAL NON & FIRE RATED WALL TYPES WITH FIRE PENETRATION DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.15.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
G004


LOT 2 – BLOCK 5803
APPROX. LOT LINE (per record mapping)
50' WETLAND TRANSITION AREA LIMIT
WTA
MAGNOLIA LANE
APPROX. PROPERTY BOUNDARY (per record mapping)
LOT 1 – BLOCK 5803
N/F: BOARD OF EDUCATION
LITTLEBROOK SCHOOL
39 MAGNOLIA LANE
PRINCETON, NJ 08540
NOTE: courtyard is shown schematically per aerial imagery
heavily–wooded & thick underbrush
asphalt pavement
concrete walk
lawn
shed
play equipment in engineered wood fiber surface
BM: PK NAIL SET N:557767.601 E:453528.473 Elev: 99.79
BM: PK NAIL SET N:557584.216 E:453429.836 Elev: 100.50
BM: PK NAIL SET N:557521.230 E:453743.589 Elev: 103.07
BM: PK NAIL SET N:557367.371 E:453853.746 Elev: 104.83
BM: PK NAIL SET N:557239.926 E:453772.424 Elev: 106.89
BM: PK NAIL SET N:557116.609 E:453808.778 Elev: 111.61
BM: DART SPIKE N:557685.38 E:453849.81 Elev: 96.60
BM: DART SPIKE N:557656.62 E:453800.04 Elev: 98.16
BM: DART SPIKE N:557580.84 E:453872.04 Elev: 102.14

SITE MAINTENANCE REQUIREMENTS:

1. INSTALL DE–WATERING MEASURES AT THE COMMENCEMENT OF EARTHWORK OPERATIONS AND MAINTAIN DE–WATERING OF ALL OPEN EXCAVATIONS THROUGHOUT CONSTRUCTION. STORM WATER RUNOFF MUST BE IMMEDIATELY EVACUATED FROM THE PROJECT SITE THROUGH DE–WATERING PRACTICES. WATER MUST NOT BE TRAPPED OR ALLOWED TO POOL IN ANY AREA. DE–WATERING MEASURES SHALL INCLUDE DE–WATERING PUMPS AND A MEANS OF FILTERING SEDIMENT AND SILT FROM THE WATER BEFORE IT IS DISCHARGED INTO DOWNSTREAM DRAINAGE SYSTEMS.
2. ENGAGE A NJ LICENSED GEOTECHNICAL ENGINEER TO OVERSEE ALL EARTHWORK RELATED TO SITE WORK. CONTRACTOR MUST INSURE THAT EXISTING SOILS ARE CONDITIONED TO BE AT OR NEAR OPTIMUM MOISTURE LEVELS FOR COMPACTION. THE GEOTECHNICAL ENGINEER MUST DOCUMENT SOIL CONDITIONS AND MAKE RECOMMENDATIONS FOR RE–CONDITIONING SAME TO INSURE MAXIMUM COMPACTION.
3. ANY SOIL THAT IS SATURATED SHALL BE DRIED BY THE CONTRACTOR TO RESTORE OPTIMUM MOISTURE LEVEL (VERIFIED BY THE GEOTECHNICAL ENGINEER.) SOILS THAT ARE SATURATED AND CANNOT BE RECONDITIONED IN SUFFICIENT TIME, WITHOUT AFFECTING THE PROJECT SCHEDULE, SHALL BE REMOVED AND REPLACED WITH SUITABLE COMPACTED SOIL (DENSE GRADED AGGREGATE) AT THE CONTRACTOR'S EXPENSE. SEE NOTE #1 ABOVE.
4. PROTECT ADJACENT AREAS TO MAINTAIN THEIR ORIGINAL CONDITION THROUGHOUT CONSTRUCTION. ANY AREAS DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO A "LIKE NEW" CONDITION AT THE CONTRACTOR'S EXPENSE.
5. MAINTAIN THE UNDERGROUND UTILITY MARK–OUT THROUGHOUT CONSTRUCTION.
6. PRESERVE AND MAINTAIN SURVEY CONTROL POINTS THROUGHOUT CONSTRUCTION.
7. SWEEP AND MAINTAIN ALL PAVEMENT AREAS TO A "BROOM CLEAN" CONDITION AROUND ALL WORK AREAS. SOIL AND DEBRIS SHALL NOT BE TRACKED OUTSIDE THE WORK AREA.
8. INSTALL TEMPORARY 6 FOOT HIGH CONSTRUCTION FENCING AS NEEDED TO SECURE THE SITE. THE OWNER RESERVES THE RIGHT TO REQUIRE THE INSTALLATION OF ADDITIONAL CONSTRUCTION FENCING TO MAINTAIN SITE SAFETY AND SECURITY AT NO ADDITIONAL COST. ALL TEMPORARY CONSTRUCTION FENCE THAT SERVES TO SECURE THE PERIMETER OF THE WORK AREA SHALL HAVE WIND/DUST SCREEN INSTALLED ALONG ALL SIDES. REFER TO THE PROJECT SPECIFICATIONS FOR TEMPORARY FENCING REQUIREMENTS.ALL CONSTRUCTION AREAS SHALL BE SECURED AT ALL TIMES FROM PUBLIC ACCESS. FURNISH LOCKABLE ACCESS GATES, AND MAN GATES AS NEEDED AND FURNISH THE OWNER DUPLICATE KEYS TO ALL LOCKS.

PROPERTY SURVEY INFORMATION

1. TOPOGRAPHIC INFORMATION SHOWN ON THIS MAPPING WAS PREPARED BY EDWARDS ENGINEERING GROUP IN AUGUST 2024.

SOIL EROSION & SEDIMENT CONTROL NOTES:

1. SEE THE SOIL EROSION & SEDIMENT CONTROL PLAN FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES TO BE USED THROUGHOUT THE PROJECT.
2. SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE LAND DISTURBANCE OR ANY DEMOLITION WORK THAT WILL CAUSE EXCAVATION INTO THE SUBGRADE SOILS.

UNDERGROUND UTILITIES:

1. ALL UNDERGROUND UTILITIES REPRESENTED ON THIS PLAN ARE SHOWN APPROXIMATELY. IN ALL CASES THE EXACT DEPTH, SIZE AND ALIGNMENT OF UNDERGROUND PIPES, WIRES, AND OTHER FEATURES SHALL BE CONSIDERED UNKNOWN AND MUST BE FIELD VERIFIED AT THE START OF THE PROJECT.
2. ENGAGE THE SERVICES OF A PRIVATE UNDERGROUND UTILITY LOCATING AND MARK OUT SERVICE TO PERFORM A MARK OUT OF THE ENTIRE SITE. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON THE MARK OUT AND REQUIRED TEST PITS.
3. CONDUCT TEST PITS AT ALL LOCATIONS WHERE UTILITIES ARE INDICATED TO BE VERIFIED IN FIELD (VIF) AND WHERE PROPOSED UNDERGROUND UTILITIES (STORM, SANITARY, ELECTRIC, GAS, DATA) WILL CONNECT TO OR CROSS EXISTING UNDERGROUND UTILITIES. RECORD THE DEPTH, SIZE, AND ALIGNMENT OF EACH UTILITY AT TEST PIT LOCATION. VERIFY UTILITY CROSSING CLEARANCES CAN BE ACHIEVED WITHOUT DEVIATING FROM THE DESIGN INTENT. REPORT TO THE OWNER'S REPRESENTATIVE ANY POTENTIAL CONFLICTS VIA THE R.F.I. PROCESS.

TEST PIT NOTES:

1. EXCAVATE TEST PITS AT THE COMMENCEMENT OF WORK TO VERIFY THE DEPTH, SIZE, PIPE MATERIAL AND ALIGNMENT OF EXISTING WATER AND SEWER UTILITIES AT THE POINT OF CONNECTION TO NEW SERVICES AND AT PROPOSED PIPE CROSSINGS. REPORT ANY POSSIBLE CONFLICTS TO THE ARCHITECT AND ENGINEER.
2. INCLUDE IN THE CONTRACT AN ADDITIONAL (12) TEST PITS TO BE USED AT THE ARCHITECT'S OR ENGINEER'S DISCRETION FOR ANY REASON WHATSOEVER. THE TEST PITS SHALL BE INCLUDE GEOTECHNICAL OVERSIGHT, MEASUREMENTS BY THE CONTRACTOR'S NJ LICENSED LAND SURVEYOR, DISPOSAL OF WASTE, AND BACKFILL AND COMPACTION OF EACH TEST PIT.

LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM
lowercase text	*UPPERCASE TEXT*	TEXT & NOTES	– – – – – –	———	PAVEMENT EDGE
○	● / ◑	MANHOLE– NEW/RECONSTRUCT		▨	FULL DEPTH DEMOLITION
□	■ / ◪	INLET– NEW/RECONSTRUCT		▒	STANDARD DUTY HOT MIX ASPHALT PAVEMENT
◎ c.o.	◉	CLEANOUT		▩	HEAVY DUTY HOT MIX ASPHALT PAVEMENT
○ rl rlug	○	ROOF LEADER	══════	═══	CURB/DEPRESSED CURB (DC)
gv ⋈ wv	GV ⋈ WV	VALVE–TYPE	▭	▭	PORTLAND CEMENT CONCRETE
		FIRE HYDRANT/FDC			TREE/WOOD LINE
		UTIL. POLE/W–LIGHT/W–TRANSF.	– – – st – – –		STORM SEWER >=12" DIA.
		STREET/TRAFFIC SIGNS:	– – – st – – –	▬ ▬	STORM SEWER <12" DIA
		FREESTANDING LIGHT	– – – sa – – –	—SA—	SANITARY SEWER
	☒	NEW ELEC. HAND HOLE	—— // ——		OVERHEAD POWER LINE
——x——	——x——	FENCE	– – – e – – –	——E——	ELEC. SERVICE/CONDUIT
+70.25	x70.25	SPOT ELEVATIONS			
68	68	CONTOUR LINE			
– – – g – – –	——G——	GAS LINE			
– – – w – – –	——W——	WATER LINE			

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT
APPROX	APPROXIMATE
BF	BARRIER FREE
BC	BOTTOM OF CURB REVEAL
BDC	BOTTOM OF DEPRESSED CURB
BIT	BITUMINOUS
BM	BENCHMARK
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEP
BW	BOTTOM WALL (GRADE)
COMM	DATA/COMMUNICATION CABLE
CONFIG.	CONFIGURATION
CLF	CHAIN LINK FENCE
C.O.	CLEAN OUT
CONC	CONCRETE
DC	DEPRESSED CURB (FLUSH TO PAVEMENT)
DEP	DEPRESSED CURB
DEMO	DEMOLITION
DIP	DUCTILE IRON PIPE
E	ELECTRIC
ELEV	ELEVATION (FT.)
EX	EXISTING
FDC	FIRE DEPT. CONN.
FO	FIBER OPTIC CABLE
FTG.	FOOTING
FFE	FINISHED FLOOR ELEVATION
G	GAS PIPE LINE
GRT	GRATE (ELEVATION)
GV	GAS VALVE
HC	HANDICAPPED
HP	HIGH POINT
HYD	FIRE HYDRANT
INV	INVERT (ELEV.)
LF	LINEAR FEET
LP	LOW POINT
MH	MANHOLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
O/H	OVERHEAD
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PEP	POLYETHYLENE PIPE (HDPE)
PROP	PROPOSED
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONC. PIPE
RL	ROOF LEADER
RLUG	ROOF LEADER UNDERGROUND
SCD	SOIL CONSERVATION DISTRICT
ST	STORM SEWER PIPE
SS/SAN	SANITARY SEWER PIPE
TEL	TELEPHONE
TB	TOP OF BORDER
TBR	TO BE REMOVED
TC	TOP OF CURB
TCW	TOP OF CURB WALL+
TDC	TOP OF DEPRESSED CURB
TP	TEST PIT
TR	TOP OF RAMP
TRANSF	TRANSFORMER
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
U/G	UNDERGROUND
UP	UTILITY POLE
V.I.F.	VERIFY IN FIELD
W	WATER
WV	WATER VALVE

NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST–PROCESSING

0 20 40 60
SCALE: 1"=20'

Civil Engineering Consultant: EEG 1634D

EDWARDS
ENGINEERING
GROUP
AN L2A COMPANY

Beth E. Kenderdine 02.12.26
BETH E. KENDERDINE, P.E. Date
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NJDCA Electronic Release Stamp

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Architect 2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

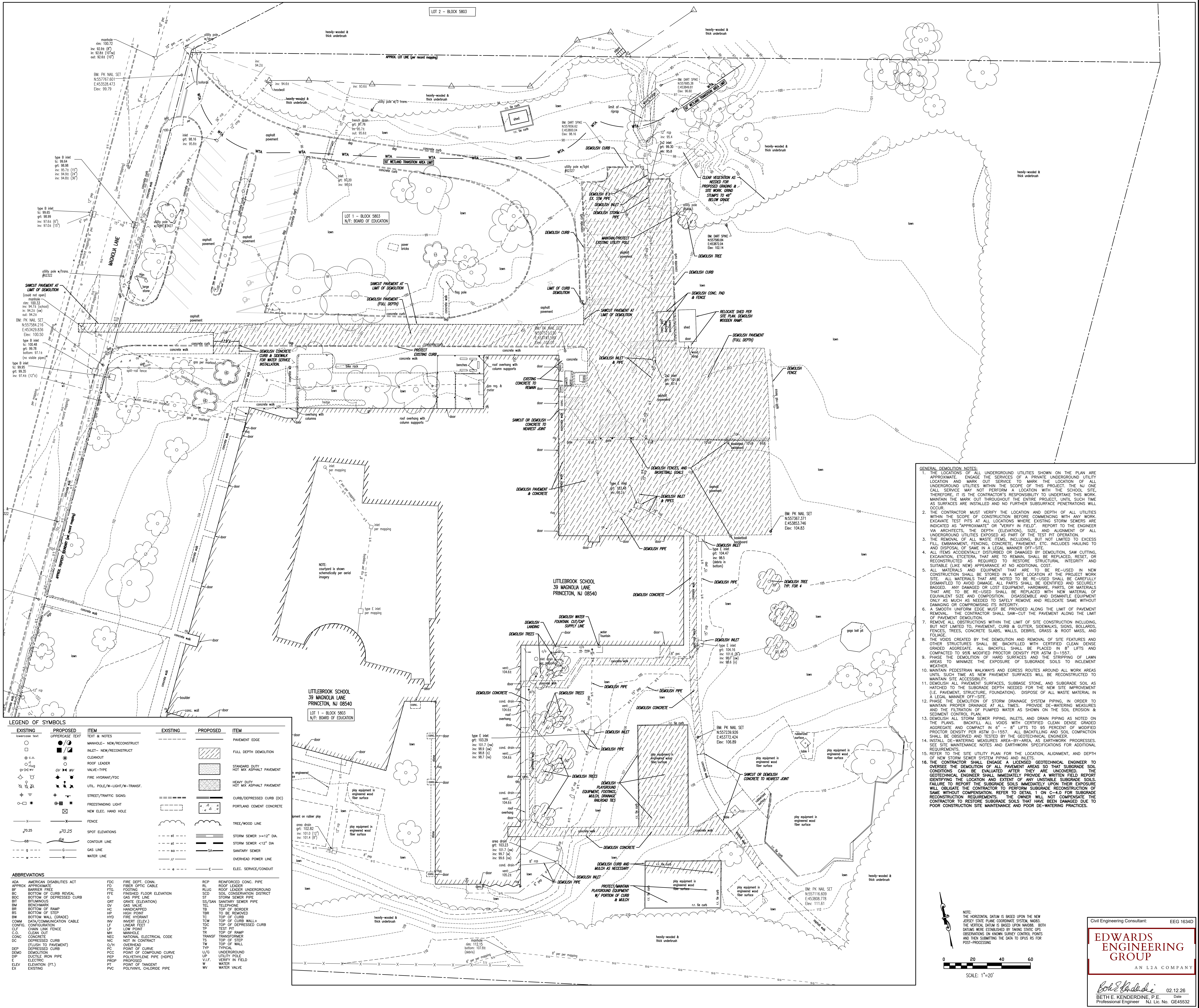
Drawn By

Scale

Drawing Name
EXISTING CONDITIONS

Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-1.0


LOT 2 - BLOCK 5803
APPROX. LOT LINE (per record mapping)
LOT 1 - BLOCK 5803
N/F: BOARD OF EDUCATION
MAGNOLIA LANE
LITTLEBROOK SCHOOL
39 MAGNOLIA LANE
PRINCETON, NJ 08540
50' WETLAND TRANSITION AREA LIMIT
WTA
heavily-wooded & thick underbrush
asphalt pavement
lawn
concrete walk
shed
DEMOLISH CURB
DEMOLISH 8"± EX. STM PIPE
DEMOLISH INLET
DEMOLISH STORM PIPE
MAINTAIN/PROTECT EXISTING UTILITY POLE
CLEAR VEGETATION AS NEEDED FOR PROPOSED GRADING & SITE WORK. GRIND STUMPS TO 48" BELOW GRADE
DEMOLISH TREE
DEMOLISH CONC. PAD & FENCE
RELOCATE SHED PER SITE PLAN. DEMOLISH WOODEN RAMP.
SAWCUT PAVEMENT AT LIMIT OF DEMOLITION
DEMOLISH PAVEMENT (FULL DEPTH)
LIMIT OF CURB DEMOLITION
DEMOLISH CONCRETE CURB & SIDEWALK FOR WATER SERVICE INSTALLATION.
PROTECT EXISTING CURB
EXISTING CONCRETE TO REMAIN
SAWCUT OR DEMOLISH CONCRETE TO NEAREST JOINT
DEMOLISH INLET & PIPE
DEMOLISH FENCE
DEMOLISH FENCES, AND BASKETBALL GOALS
DEMOLISH INLET & PIPES
DEMOLISH PAVEMENT & CONCRETE
DEMOLISH PIPE
DEMOLISH CONCRETE
DEMOLISH TREE TYP. FOR 4
DEMOLISH WATER FOUNTAIN. CUT/CAP SUPPLY LINE
DEMOLISH LANDING
DEMOLISH TREES
DEMOLISH PLAYGROUND EQUIPMENT, FOOTINGS, MULCH, DRAINAGE RAILROAD TIES
SAWCUT OR DEMOLISH CONCRETE TO NEAREST JOINT
DEMOLISH CURB AND MULCH AS NECESSARY
PROTECT/MAINTAIN PLAYGROUND EQUIPMENT W/ PORTION OF CURB & MULCH
NOTE: courtyard is shown schematically per aerial imagery
BM: PK NAIL SET
BM: DART SPIKE
play equipment in engineered wood fiber surface
gaga ball pit
basketball backboard

GENERAL DEMOLITION NOTES:

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE. ENGAGE THE SERVICES OF A PRIVATE UNDERGROUND UTILITY LOCATION AND MARK OUT SERVICE TO MARK THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE SCOPE OF THIS PROJECT. THE NJ ONE CALL SERVICE MAY NOT PERFORM A LOCATION WITH THE SCHOOL SITE, THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE THIS WORK. MAINTAIN THE MARK OUT THROUGHOUT THE ENTIRE PROJECT, UNTIL SUCH TIME AS SURFACES ARE INSTALLED AND NO FURTHER SUBSURFACE PENETRATIONS WILL OCCUR.
2. THE CONTRACTOR MUST VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES WITHIN THE SCOPE OF CONSTRUCTION BEFORE COMMENCING WITH ANY WORK. EXCAVATE TEST PITS AT ALL LOCATIONS WHERE EXISTING STORM SEWERS ARE INDICATED AS "APPROXIMATE" OR "VERIFY IN FIELD". REPORT TO THE ENGINEER VIA ARCHITECTS, THE DEPTH (ELEVATION), SIZE, AND ALIGNMENT OF ALL UNDERGROUND UTILITIES EXPOSED AS PART OF THE TEST PIT OPERATION.
3. THE REMOVAL OF ALL WASTE ITEMS, INCLUDING, BUT NOT LIMITED TO EXCESS FILL, EMBANKMENT, FENCING, CONCRETE, PAVEMENT, ETC. INCLUDES HAULING TO AND DISPOSAL OF SAME IN A LEGAL MANNER OFF-SITE.
4. ALL ITEMS ACCIDENTALLY DISTURBED OR DAMAGED BY DEMOLITION, SAW CUTTING, EXCAVATION, ETCETERA, THAT ARE TO REMAIN, SHALL BE REPLACED, RESET, OR RECONSTRUCTED AS REQUIRED TO RESTORE STRUCTURAL INTEGRITY AND SUITABLE (LIKE NEW) APPEARANCE AT NO ADDITIONAL COST.
5. ALL MATERIALS AND EQUIPMENT THAT ARE TO BE RE-USED IN NEW CONSTRUCTION SHALL BE STORED IN A SAFE LOCATION AT THE PROJECT WORK SITE. ALL MATERIALS THAT ARE NOTED TO BE RE-USED SHALL BE CAREFULLY DISMANTLED TO AVOID DAMAGE. ALL PARTS SHALL BE IDENTIFIED AND SECURELY BAGGED. ANY DAMAGED OR LOST EQUIPMENT, HARDWARE, PARTS, OR MATERIALS THAT ARE TO BE RE-USED SHALL BE REPLACED WITH NEW MATERIAL OF EQUIVALENT SIZE AND COMPOSITION. DISASSEMBLE AND DISMANTLE EQUIPMENT ONLY AS MUCH AS NEEDED TO SAFELY REMOVE AND RELOCATE SAME WITHOUT DAMAGING OR COMPROMISING ITS INTEGRITY.
6. A SMOOTH UNIFORM EDGE MUST BE PROVIDED ALONG THE LIMIT OF PAVEMENT REMOVAL. THE CONTRACTOR SHALL SAW-CUT THE PAVEMENT ALONG THE LIMIT OF PAVEMENT DEMOLITION.
7. REMOVE ALL OBSTRUCTIONS WITHIN THE LIMIT OF SITE CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURB & GUTTER, SIDEWALKS, SIGNS, BOLLARDS, FENCES, TREES, CONCRETE SLABS, WALLS, DEBRIS, GRASS & ROOT MASS, AND FOLIAGE.
8. THE VOIDS CREATED BY THE DEMOLITION AND REMOVAL OF SITE FEATURES AND OTHER STRUCTURES SHALL BE BACKFILLED WITH CERTIFIED CLEAN DENSE GRADED AGGREGATE. ALL BACKFILL SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY PER ASTM D-1557.
9. PHASE THE DEMOLITION OF HARD SURFACES AND THE STRIPPING OF LAWN AREAS TO MINIMIZE THE EXPOSURE OF SUBGRADE SOILS TO INCLEMENT WEATHER.
10. MAINTAIN PEDESTRIAN WALKWAYS AND EGRESS ROUTES AROUND ALL WORK AREAS UNTIL SUCH TIME AS NEW PAVEMENT SURFACES WILL BE RECONSTRUCTED TO MAINTAIN SITE ACCESSIBILITY.
11. DEMOLISH ALL PAVEMENT SURFACES, SUBBASE STONE, AND SUBGRADE SOIL AS HATCHED TO THE SUBGRADE DEPTH NEEDED FOR THE NEW SITE IMPROVEMENT (I.E. PAVEMENT, STRUCTURE, FOUNDATION). DISPOSE OF ALL WASTE MATERIAL IN A LEGAL MANNER OFF-SITE.
12. PHASE THE DEMOLITION OF STORM DRAINAGE SYSTEM PIPING, IN ORDER TO MAINTAIN PROPER DRAINAGE AT ALL TIMES. PROVIDE DE-WATERING MEASURES AND THE FILTRATION OF PUMPED WATER AS SHOWN ON THE SOIL EROSION & SEDIMENT CONTROL PLAN.
13. DEMOLISH ALL STORM SEWER PIPING, INLETS, AND DRAIN PIPING AS NOTED ON THE PLANS. BACKFILL ALL VOIDS WITH CERTIFIED CLEAN DENSE GRADED AGGREGATE AND COMPACT IN 6" - 8" LIFTS TO 95 PERCENT OF MODIFIED PROCTOR DENSITY PER ASTM D-1557. ALL BACKFILLING AND SOIL COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER.
14. INSTALL DE-WATERING MEASURES AREA-BY-AREA, AS EARTHWORK PROGRESSES. SEE SITE MAINTENANCE NOTES AND EARTHWORK SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
15. REFER TO THE SITE UTILITY PLAN FOR THE LOCATION, ALIGNMENT, AND DEPTH OF NEW STORM SEWER SYSTEM PIPING AND INLETS.
16. **THE CONTRACTOR SHALL ENGAGE A LICENSED GEOTECHNICAL ENGINEER TO OVERSEE THE DEMOLITION OF ALL PAVEMENT AREAS SO THAT SUBGRADE SOIL CONDITIONS CAN BE EVALUATED AFTER THEY ARE UNCOVERED. THE GEOTECHNICAL ENGINEER SHALL IMMEDIATELY PROVIDE A WRITTEN FIELD REPORT IDENTIFYING THE LOCATION AND EXTENT OF ANY UNSTABLE SUBGRADE SOILS. FAILURE TO REPORT THE SUBGRADE SOILS IMMEDIATELY UPON THEIR EXPOSURE WILL OBLIGATE THE CONTRACTOR TO PERFORM SUBGRADE RECONSTRUCTION OF SAME WITHOUT COMPENSATION. REFER TO DETAIL 1 ON C-4.0 FOR SUBGRADE RECONSTRUCTION REQUIREMENTS. THE OWNER WILL NOT COMPENSATE THE CONTRACTOR TO RESTORE SUBGRADE SOILS THAT HAVE BEEN DAMAGED DUE TO POOR CONSTRUCTION SITE MAINTENANCE AND POOR DE-WATERING PRACTICES.**

LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM
lowercase text	*UPPERCASE TEXT*	TEXT & NOTES
○	● / ◐	MANHOLE- NEW/RECONSTRUCT
□	■ / ◪	INLET- NEW/RECONSTRUCT
◎ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	*GV* ⋈ *WV*	VALVE-TYPE
		FIRE HYDRANT/FDC
		UTIL. POLE/W-LIGHT/W-TRANSF.
		STREET/TRAFFIC SIGNS:
		FREESTANDING LIGHT
	⊠	NEW ELEC. HAND HOLE
——x——	——x——	FENCE
+70.25	*x70.25*	SPOT ELEVATIONS
68	*68*	CONTOUR LINE
- - - g - - -	——G——	GAS LINE
- - - w - - -	——W——	WATER LINE

EXISTING	PROPOSED	ITEM
- - - - - -	———	PAVEMENT EDGE
	▨	FULL DEPTH DEMOLITION
	▨	STANDARD DUTY HOT MIX ASPHALT PAVEMENT
	▨	HEAVY DUTY HOT MIX ASPHALT PAVEMENT
======	======	CURB/DEPRESSED CURB (DC)
- - - - - -	▨	PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
- - - st - - -		STORM SEWER >=12" DIA.
- - - st - - -		STORM SEWER <12" DIA
- - - sa - - -	——SA——	SANITARY SEWER
——//——		OVERHEAD POWER LINE
- - - e - - -	——E——	ELEC. SERVICE/CONDUIT

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT
APPROX	APPROXIMATE
BF	BARRIER FREE
BC	BOTTOM OF CURB REVEAL
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BIT	BITUMINOUS
BM	BENCHMARK
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEP
BW	BOTTOM WALL (GRADE)
COMM	DATA/COMMUNICATION CABLE
CONFIG.	CONFIGURATION
CLF	CHAIN LINK FENCE
C.O.	CLEAN OUT
CONC	CONCRETE
DC	DEPRESSED CURB (FLUSH TO PAVEMENT)
DEP	DEPRESSED CURB
DEMO	DEMOLITION
DIP	DUCTILE IRON PIPE
E	ELECTRIC
ELEV	ELEVATION (FT.)
EX	EXISTING
FDC	FIRE DEPT. CONN.
FO	FIBER OPTIC CABLE
FTG.	FOOTING
FFE	FINISHED FLOOR ELEVATION
G	GAS PIPE LINE
GRT	GRATE (ELEVATION)
GV	GAS VALVE
HC	HANDICAPPED
HP	HIGH POINT
HYD	FIRE HYDRANT
INV	INVERT (ELEV.)
LF	LINEAR FEET
LP	LOW POINT
MH	MANHOLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
O/H	OVERHEAD
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PEP	POLYETHYLENE PIPE (HDPE)
PROP	PROPOSED
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONC. PIPE
RL	ROOF LEADER
RLUG	ROOF LEADER UNDERGROUND
SCD	SOIL CONSERVATION DISTRICT
ST	STORM SEWER PIPE
SS/SAN	SANITARY SEWER PIPE
TEL	TELEPHONE
TB	TOP OF BORDER
TBR	TO BE REMOVED
TC	TOP OF CURB
TCW	TOP OF CURB WALL+
TDC	TOP OF DEPRESSED CURB
TP	TEST PIT
TR	TOP OF RAMP
TRANSF	TRANSFORMER
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
U/G	UNDERGROUND
UP	UTILITY POLE
V.I.F.	VERIFY IN FIELD
W	WATER
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NOTE:
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0 20 40 60

SCALE: 1"=20'

Civil Engineering Consultant: EEG 1634D

EDWARDS
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Both E Kenderdine 02.12.26
BETH E. KENDERDINE, P.E. Date
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Architect 2/12/26 Date

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Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

FVHDPC.COM

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

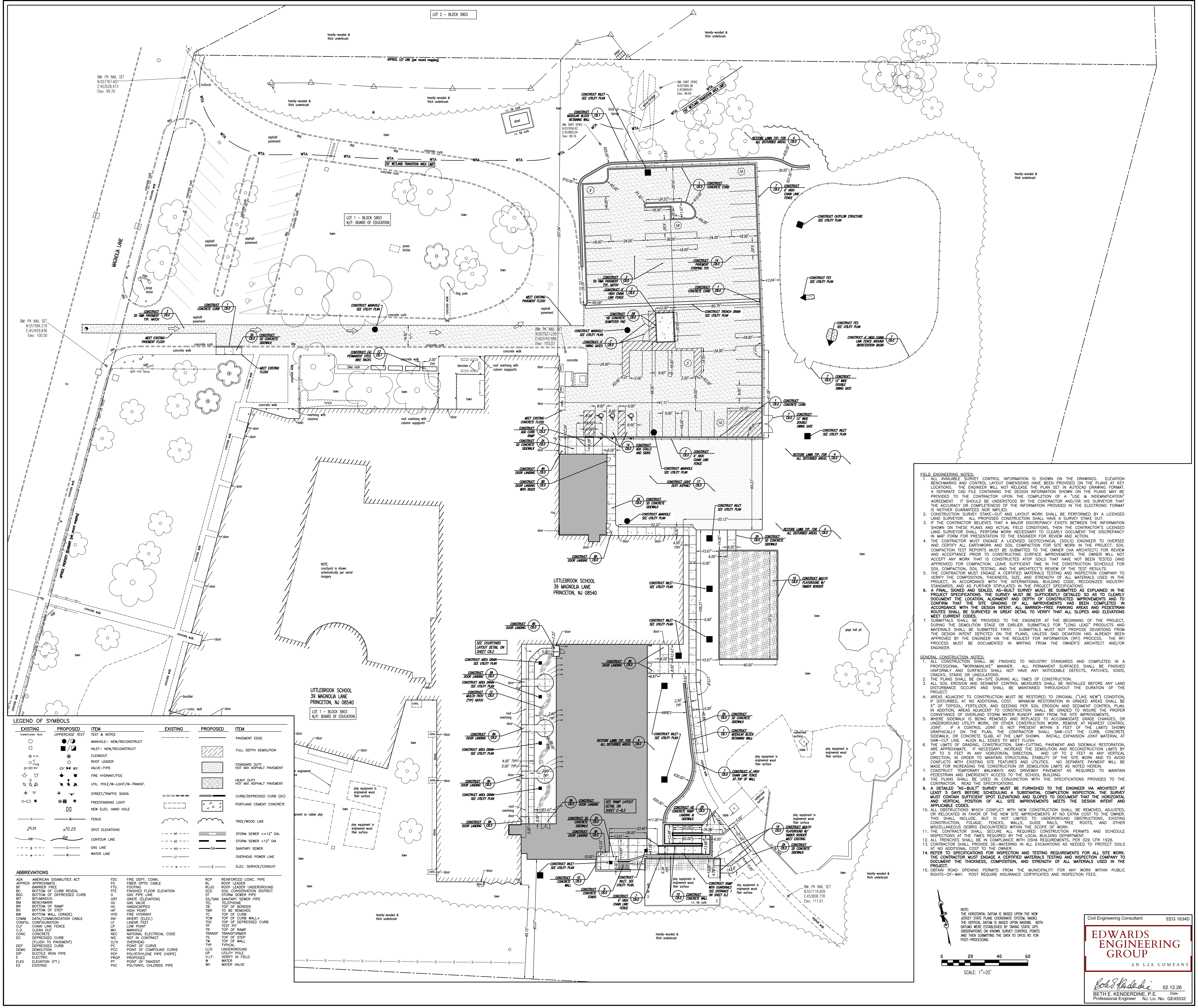
Scale

Drawing Name
DEMOLITION PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-2.0


LOT 2 – BLOCK 5803
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39 MAGNOLIA LANE
PRINCETON, NJ 08540
50' WETLAND TRANSITION AREA LIMIT
WTA
heavily-wooded & thick underbrush
asphalt pavement
lawn
concrete walk
shed
flag pole
bike rack
benches
roof overhang with column supports
door
NOTE: courtyard is shown schematically per aerial imagery
BM: PK NAIL SET N:557767.601 E:453528.473 Elev: 99.79
BM: PK NAIL SET N:557584.216 E:453429.836 Elev: 100.50
BM: DART SPIKE N:557685.38 E:453849.81 Elev: 96.60
BM: DART SPIKE N:557656.62 E:453800.04 Elev: 98.16
BM: PK NAIL SET N:557621.230 E:453743.589 Elev: 103.07
BM: PK NAIL SET N:557116.609 E:453808.778 Elev: 111.61
CONSTRUCT INLET SEE UTILITY PLAN
CONSTRUCT MODULAR BLOCK RETAINING WALL
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS
CONSTRUCT CONCRETE CURB
CONSTRUCT 6' HIGH CHAIN LINK FENCE
CONSTRUCT OUTFLOW STRUCTURE SEE UTILITY PLAN
CONSTRUCT FES SEE UTILITY PLAN
CONSTRUCT PAVEMENT STRIPING TYP.
CONSTRUCT SD HMA PAVEMENT TYP. HATCH
CONSTRUCT HD CONCRETE DUMPSTER PAD
CONSTRUCT TRENCH DRAIN SEE UTILITY PLAN
CONSTRUCT 6' HIGH CHAIN LINK FENCE AROUND BIORETENTION BASIN
CONSTRUCT 12' WIDE DOUBLE SWING GATE
CONSTRUCT MANHOLE SEE UTILITY PLAN
CONSTRUCT 5' SWING GATES
MEET EXISTING PAVEMENT FLUSH
CONSTRUCT (4) PERMANENT STEEL BIKE RACKS
CONSTRUCT SD CONCRETE SIDEWALK
CONSTRUCT ADA STALLS AND SIGNS
CONSTRUCT ADA CURB RAMP
CONSTRUCT DOOR LANDING
CONSTRUCT DOOR LANDING WITH RISER
CONSTRUCT LIGHT DUTY ASPHALT
CONSTRUCT MULCH PLAYGROUND W/ TIMBER BORDER
CONSTRUCT MODULAR BLOCK RETAINING WALL
CONSTRUCT 6' HIGH CHAIN LINK FENCE AT TOP OF WALL
SEE COURTYARD LAYOUT DETAIL ON SHEET C8.2
CONSTRUCT AREA DRAIN SEE UTILITY PLAN
CONSTRUCT MULCH PATH (TYP.) HATCH
SEE RAMP LAYOUT DETAIL ON SHEET C-8.2
CONSTRUCT CONCRETE RAMP LANDING & SIDEWALK
CONSTRUCT CONCRETE WALL
CONSTRUCT CONCRETE STAIRS
CONSTRUCT RAMP WITH GUARDRAILS SEE ENTRANCE 1 ON SHEET 8.2
gaga ball pit
play equipment in engineered wood fiber surface

FIELD ENGINEERING NOTES:

1. ALL AVAILABLE SURVEY CONTROL INFORMATION IS SHOWN ON THE DRAWINGS. ELEVATION BENCHMARKS AND CONTROL LAYOUT DIMENSIONS HAVE BEEN PROVIDED ON THE PLANS AT KEY LOCATIONS. THE ENGINEER WILL NOT RELEASE THE PLAN SET IN AUTOCAD DRAWING FORMAT. A SEPARATE CAD FILE CONTAINING THE DESIGN INFORMATION SHOWN ON THE PLANS MAY BE PROVIDED TO THE CONTRACTOR UPON THE COMPLETION OF A "USE & INDEMNIFICATION" AGREEMENT. IT SHOULD BE UNDERSTOOD BY THE CONTRACTOR AND/OR HIS SURVEYOR THAT THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED IN THE ELECTRONIC FORMAT IS NEITHER GUARANTEED NOR IMPLIED.
2. CONSTRUCTION SURVEY STAKE–OUT AND LAYOUT WORK SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR. ALL PROPOSED CONSTRUCTION SHALL HAVE A SURVEY STAKE OUT.
3. IF THE CONTRACTOR BELIEVES THAT A MAJOR DISCREPANCY EXISTS BETWEEN THE INFORMATION SHOWN ON THESE PLANS AND ACTUAL FIELD CONDITIONS, THEN THE CONTRACTOR'S LICENSED LAND SURVEYOR SHALL PERFORM WORK NECESSARY TO CLEARLY DOCUMENT THE DISCREPANCY IN MAP FORM FOR PRESENTATION TO THE ENGINEER FOR REVIEW AND ACTION.
4. THE CONTRACTOR MUST ENGAGE A LICENSED GEOTECHNICAL (SOILS) ENGINEER TO OVERSEE AND CERTIFY ALL EARTHWORK AND SOIL COMPACTION FOR SITE WORK IN THE PROJECT. SOIL COMPACTION TEST REPORTS MUST BE SUBMITTED TO THE OWNER (VIA ARCHITECT) FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTING SURFACE IMPROVEMENTS. THE OWNER WILL NOT ACCEPT ANY WORK THAT IS CONSTRUCTED ATOP SOILS THAT HAVE NOT BEEN TESTED (AND APPROVED) FOR COMPACTION. LEAVE SUFFICIENT TIME IN THE CONSTRUCTION SCHEDULE FOR SOIL COMPACTION, SOIL TESTING, AND THE ARCHITECT'S REVIEW OF THE TEST RESULTS.
5. THE CONTRACTOR MUST ENGAGE A CERTIFIED MATERIALS TESTING AND INSPECTION COMPANY TO VERIFY THE COMPOSITION, THICKNESS, SIZE, AND STRENGTH OF ALL MATERIALS USED IN THE PROJECT, IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, RECOGNIZED INDUSTRY STANDARDS, AND AS FURTHER STIPULATED IN THE PROJECT SPECIFICATIONS.
6. **A FINAL, SIGNED AND SEALED, AS–BUILT SURVEY MUST BE SUBMITTED AS EXPLAINED IN THE PROJECT SPECIFICATIONS. THE SURVEY MUST BE SUFFICIENTLY DETAILED SO AS TO CLEARLY DOCUMENT THE LOCATION, ALIGNMENT AND DEPTH OF CONSTRUCTED IMPROVEMENTS AND TO CONFIRM THAT THE SITE GRADING OF ALL IMPROVEMENTS HAS BEEN COMPLETED IN ACCORDANCE WITH THE DESIGN INTENT. ALL BARRIER–FREE PARKING AREAS AND PEDESTRIAN ROUTES SHALL BE SURVEYED IN GREAT DETAIL TO VERIFY THAT ALL SLOPES AND ELEVATIONS MEET CURRENT CODES.**
7. SUBMITTALS SHALL BE PROVIDED TO THE ENGINEER AT THE BEGINNING OF THE PROJECT, DURING THE DEMOLITION STAGE OR EARLIER. SUBMITTALS FOR "LONG LEAD" PRODUCTS AND MATERIALS SHALL BE SUBMITTED FIRST. SUBMITTALS MUST NOT PROPOSE DEVIATIONS FROM THE DESIGN INTENT DEPICTED ON THE PLANS, UNLESS SAID DEVIATION HAS ALREADY BEEN APPROVED BY THE ENGINEER VIA THE REQUEST FOR INFORMATION (RFI) PROCESS. THE RFI PROCESS MUST BE DOCUMENTED IN WRITING FROM THE OWNER'S ARCHITECT AND/OR ENGINEER.

GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL BE FINISHED TO INDUSTRY STANDARDS AND COMPLETED IN A PROFESSIONAL "WORKMANLIKE" MANNER. ALL PERMANENT SURFACES SHALL BE FINISHED UNIFORMLY AND SURFACES SHALL NOT HAVE ANY NOTICEABLE DEFECTS, PATCHES, VOIDS, CRACKS, STAINS OR UNDULATIONS.
2. THE PLANS SHALL BE ON–SITE DURING ALL TIMES OF CONSTRUCTION.
3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE ANY LAND DISTURBANCE OCCURS AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
4. AREAS ADJACENT TO CONSTRUCTION MUST BE RESTORED TO ORIGINAL ("LIKE NEW") CONDITION, IF DISTURBED, AT NO ADDITIONAL COST. MINIMUM RESTORATION IN GRADED AREAS SHALL BE 5" OF TOPSOIL, FERTILIZER, AND SEEDING PER SOIL EROSION AND SEDIMENT CONTROL PLAN. IN ADDITION, AREAS ADJACENT TO CONSTRUCTION SHALL BE GRADED TO INSURE THE PROPER CONVEYANCE OF OVERLAND STORM WATER RUNOFF AWAY FROM THE SITE IMPROVEMENTS.
5. WHERE SIDEWALK IS BEING REMOVED AND REPLACED TO ACCOMMODATE GRADE CHANGES, OR UNDERGROUND UTILITY WORK, OR OTHER CONSTRUCTION WORK, REMOVE AT NEAREST CONTROL JOINT. IF A CONTROL JOINT IS NOT PRESENT WITHIN 5 FEET OF THE LIMITS SHOWN GRAPHICALLY ON THE PLAN, THE CONTRACTOR SHALL SAW–CUT THE CURB, CONCRETE SIDEWALK, OR CONCRETE SLAB, AT THE LIMIT SHOWN. INSTALL EXPANSION JOINT MATERIAL AT SAW–CUT LINE. ALIGN ALL EDGES TO MEET FLUSH.
6. THE LIMITS OF GRADING, CONSTRUCTION, SAW–CUTTING, PAVEMENT AND SIDEWALK RESTORATION, ARE APPROXIMATE. IF NECESSARY, INCREASE THE DEMOLITION AND RECONSTRUCTION LIMITS BY UP TO 5 FEET IN ANY HORIZONTAL DIRECTION, AND UP TO 2 FEET IN ANY VERTICAL DIRECTION, IN ORDER TO MAINTAIN STRUCTURAL STABILITY OF THE SITE WORK AND TO AVOID CONFLICTS WITH EXISTING SITE FEATURES AND UTILITIES. NO SEPARATE PAYMENT WILL BE MADE FOR INCREASING THE CONSTRUCTION OR DEMOLITION LIMITS AS NOTED HEREIN.
7. CONSTRUCT TEMPORARY WALKWAYS AND DRIVEWAY PAVEMENT AS REQUIRED TO MAINTAIN PEDESTRIAN AND EMERGENCY ACCESS TO THE SCHOOL BUILDING.
8. THE PLANS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS PROVIDED TO THE CONTRACTOR. READ THE SPECIFICATIONS.
9. **A DETAILED "AS–BUILT" SURVEY MUST BE FURNISHED TO THE ENGINEER VIA ARCHITECT AT LEAST 5 DAYS BEFORE SCHEDULING A SUBSTANTIAL COMPLETION INSPECTION. THE SURVEY MUST CONTAIN SUFFICIENT SPOT ELEVATIONS AND SLOPES TO DOCUMENT THAT THE HORIZONTAL AND VERTICAL POSITION OF ALL SITE IMPROVEMENTS MEETS THE DESIGN INTENT AND APPLICABLE CODES.**
10. ALL OBSTRUCTIONS WHICH CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED, ADJUSTED, OR RELOCATED IN FAVOR OF THE NEW SITE IMPROVEMENTS AT NO EXTRA COST TO THE OWNER. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO UNDERGROUND OBSTRUCTIONS, EXISTING CONSTRUCTION, FOLIAGE, FENCES, WALLS, GUIDE RAILS, TREE ROOTS, AND OTHER MISCELLANEOUS DEBRIS ENCOUNTERED WITHIN THE SCOPE OF WORK.
11. THE CONTRACTOR SHALL SECURE ALL REQUIRED CONSTRUCTION PERMITS AND SCHEDULE INSPECTIONS AT THE TIMES REQUIRED BY THE LOCAL BUILDING DEPARTMENT.
12. ALL TRENCHES SHALL BE IN COMPLIANCE WITH OSHA REQUIREMENTS, PER 029 CFR 1926.
13. CONTRACTOR SHALL PROVIDE DE–WATERING IN ALL EXCAVATIONS AS NEEDED TO PROTECT SOILS AT NO ADDITIONAL COST TO THE OWNER.
14. **REFER TO SPECIFICATIONS FOR INSPECTION AND TESTING REQUIREMENTS FOR ALL SITE WORK. THE CONTRACTOR MUST ENGAGE A CERTIFIED MATERIALS TESTING AND INSPECTION COMPANY TO DOCUMENT THE THICKNESS, COMPOSITION, AND STRENGTH OF ALL MATERIALS USED IN THE PROJECT.**
15. OBTAIN ROAD OPENING PERMITS FROM THE MUNICIPALITY FOR ANY WORK WITHIN PUBLIC RIGHTS–OF–WAY. POST REQUIRE INSURANCE CERTIFICATES AND INSPECTION FEES.

NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST–PROCESSING

0 20 40 60

SCALE: 1"=20'

LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM
lowercase text	*UPPERCASE TEXT*	TEXT & NOTES
○	● / ◑	MANHOLE– NEW/RECONSTRUCT
□	■ / ◪	INLET– NEW/RECONSTRUCT
◎ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	GV ⧓ WV	VALVE–TYPE
		FIRE HYDRANT/FDC
		UTIL. POLE/W–LIGHT/W–TRANSF.
		STREET/TRAFFIC SIGNS:
		FREESTANDING LIGHT
	⊠	NEW ELEC. HAND HOLE
—x—	—x—	FENCE
+70.25	x70.25	SPOT ELEVATIONS
68	68	CONTOUR LINE
– – – g – – –	—G—	GAS LINE
– – – w – – –	—W—	WATER LINE

EXISTING	PROPOSED	ITEM
– – – – – –	——	PAVEMENT EDGE
	▨	FULL DEPTH DEMOLITION
	▒	STANDARD DUTY HOT MIX ASPHALT PAVEMENT
	▩	HEAVY DUTY HOT MIX ASPHALT PAVEMENT
═ ═ ═	═══	CURB/DEPRESSED CURB (DC)
		PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
– – – st – – –		STORM SEWER >=12" DIA.
– – – st – – –		STORM SEWER <12" DIA
– – – sa – – –	—SA—	SANITARY SEWER
—— // ——		OVERHEAD POWER LINE
– – – e – – –	—E—	ELEC. SERVICE/CONDUIT

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT
APPROX	APPROXIMATE
BF	BARRIER FREE
BC	BOTTOM OF CURB REVEAL
BDC	BOTTOM OF DEPRESSED CURB
BIT	BITUMINOUS
BM	BENCHMARK
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEP
BW	BOTTOM WALL (GRADE)
COMM	DATA/COMMUNICATION CABLE
CONFIG.	CONFIGURATION
CLF	CHAIN LINK FENCE
C.O.	CLEAN OUT
CONC	CONCRETE
DC	DEPRESSED CURB (FLUSH TO PAVEMENT)
DEP	DEPRESSED CURB
DEMO	DEMOLITION
DIP	DUCTILE IRON PIPE
E	ELECTRIC
ELEV	ELEVATION (FT.)
EX	EXISTING
FDC	FIRE DEPT. CONN.
FO	FIBER OPTIC CABLE
FTG.	FOOTING
FFE	FINISHED FLOOR ELEVATION
G	GAS PIPE LINE
GRT	GRATE (ELEVATION)
GV	GAS VALVE
HC	HANDICAPPED
HP	HIGH POINT
HYD	FIRE HYDRANT
INV	INVERT (ELEV.)
LF	LINEAR FEET
LP	LOW POINT
MH	MANHOLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
O/H	OVERHEAD
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PEP	POLYETHYLENE PIPE (HDPE)
PROP	PROPOSED
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONC. PIPE
RL	ROOF LEADER
RLUG	ROOF LEADER UNDERGROUND
SCD	SOIL CONSERVATION DISTRICT
ST	STORM SEWER PIPE
SS/SAN	SANITARY SEWER PIPE
TEL	TELEPHONE
TB	TOP OF BORDER
TBR	TO BE REMOVED
TC	TOP OF CURB
TCW	TOP OF CURB WALL+
TDC	TOP OF DEPRESSED CURB
TP	TEST PIT
TR	TOP OF RAMP
TRANSF	TRANSFORMER
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
U/G	UNDERGROUND
UP	UTILITY POLE
V.I.F.	VERIFY IN FIELD
W	WATER
WV	WATER VALVE

Civil Engineering Consultant: EEG 1634D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

Beth E. Kenderdine 02.12.26
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Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln, Princeton, NJ 08540

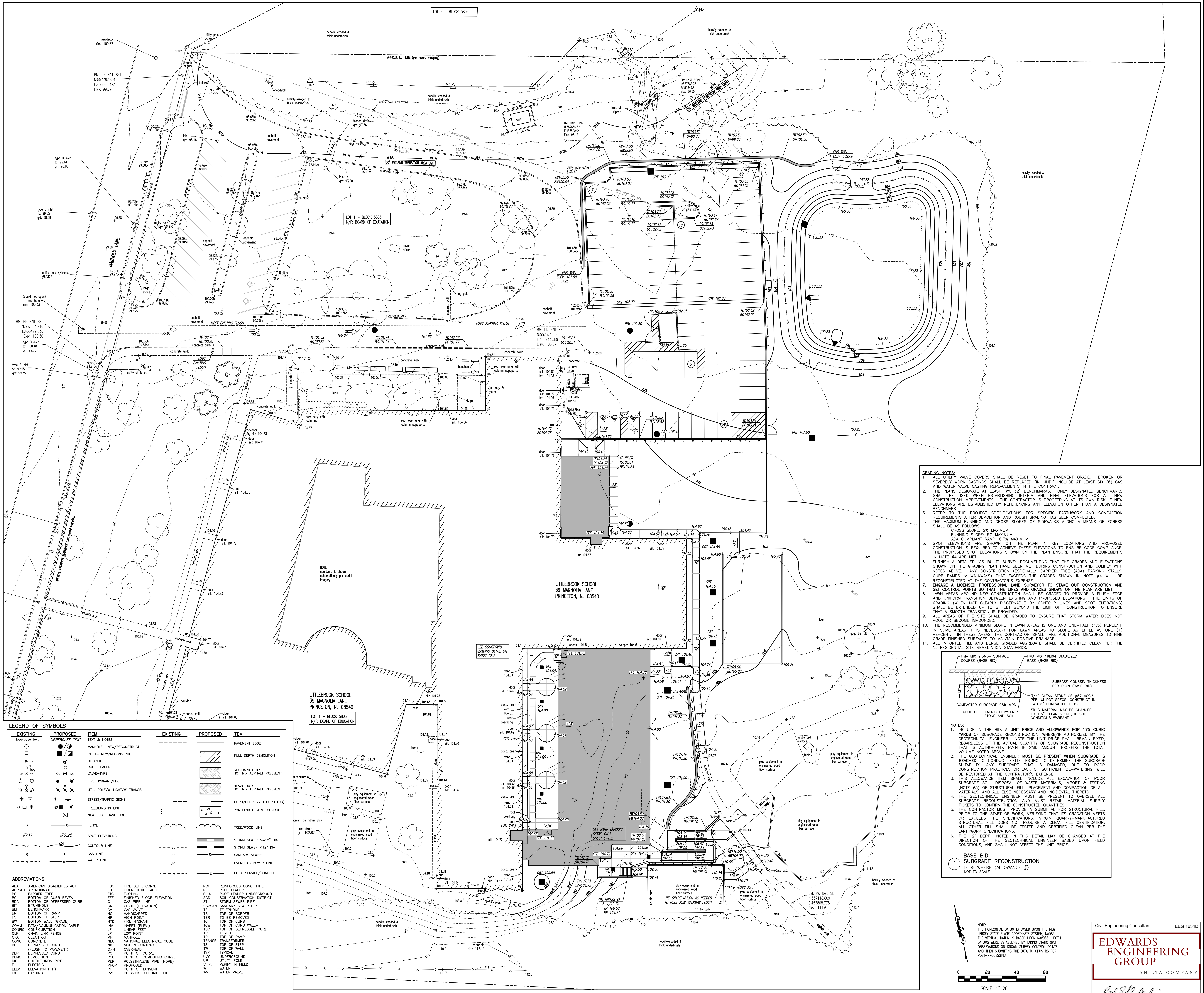
Project Number	5516D
Project Date	10.10.2025
Checked By	WDH
Drawn By	
Scale	

Drawing Name
SITE LAYOUT PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-3.0


LOT 2 – BLOCK 5803
APPROX. LOT LINE (per record mapping)
50' WETLAND TRANSITION AREA LIMIT
WTA
heavily–wooded & thick underbrush
LOT 1 – BLOCK 5803
N/F: BOARD OF EDUCATION
MAGNOLIA LANE
APPROX. PROPERTY BOUNDARY (per record mapping)
manhole rim: 100.72
utility pole w/drop
BM: PK NAIL SET N:557767.601 E:453528.473 Elev: 99.79
bollards
type B inlet tc: 99.64 grt: 98.98
type B inlet tc: 99.65 grt: 98.99
utility pole w/light #3427
utility pole w/trans. #62322
(could not open) manhole rim: 100.33
BM: PK NAIL SET N:557584.216 E:453429.836 Elev: 100.50
type B inlet tc: 100.48 grt: 99.78
type B inlet tc: 99.95 grt: 99.35
inlet grt: 98.16
inlet grt: 97.20
trench drain grt: 97.76
headwall
shed
asphalt pavement
concrete curb
concrete walk
lawn
sign
large stone
split-rail fence
bike rack
benches
flag pole
power bricks
MEET EXISTING FLUSH
MEET EXISTING FLUSH
BM: DART SPIKE N:557685.38 E:453848.81 Elev: 96.60
BM: DART SPIKE N:557656.62 E:453800.04 Elev: 98.16
BM: PK NAIL SET N:557521.230 E:453743.589 Elev: 103.07
limit of riprap
12" rcp
END WALL ELEV. 102.00
END WALL ELEV. 101.00
RIM 102.30
roof overhang with column supports
roof overhang with column supports
overhang with columns
LITTLEBROOK SCHOOL
39 MAGNOLIA LANE
PRINCETON, NJ 08540
NOTE: courtyard is shown schematically per aerial imagery
LITTLEBROOK SCHOOL
39 MAGNOLIA LANE
PRINCETON, NJ 08540
LOT 1 – BLOCK 5803
N/F: BOARD OF EDUCATION
SEE COURTYARD GRADING DETAIL ON SHEET C8.2
SEE RAMP GRADING DETAIL ON SHEET C-8.2
(9) RISERS @ 6-1/2" EA. TR 109.58 BR 104.71
RE-GRADE MULCH AS NEEDED TO MEET NEW WALKWAY FLUSH
110.9± (MEET EX.)
MEET EX.
play equipment in engineered wood fiber surface
rubberized surface
table
gaga ball pit
r.r. tie curb
asphalt walk
BM: PK NAIL SET N:557116.609 E:453808.778 Elev: 111.61
manhole rim: 112.15
area drain grt: 102.82
equipment on rubber play surface
boulder
conc. wall
4" RISER TS104.61 BS104.23
GRT 102.00
GRT 103.00
GRT 104.00
GRT 103.95
FFE 104.72
FFE 104.70
<2%
<2% TYP.
HMA MIX 9.5M64 SURFACE COURSE (BASE BID)
HMA MIX 19M64 STABILIZED BASE (BASE BID)
SUBBASE COURSE, THICKNESS PER PLAN (BASE BID)
12"
3/4" CLEAN STONE OR #57 AGG.* PER NJ DOT SPECS. CONSTRUCT IN TWO 6" COMPACTED LIFTS
COMPACTED SUBGRADE 95% MPD
GEOTEXTILE FABRIC BETWEEN STONE AND SOIL
*THIS MATERIAL MAY BE CHANGED TO 1.5" CLEAN STONE, IF SITE CONDITIONS WARRANT
0
20
40
60
SCALE: 1"=20'

GRADING NOTES:

1. ALL UTILITY VALVE COVERS SHALL BE RESET TO FINAL PAVEMENT GRADE. BROKEN OR SEVERELY WORN CASTINGS SHALL BE REPLACED "IN KIND." INCLUDE AT LEAST SIX (6) GAS AND WATER VALVE CASTING REPLACEMENTS IN THE CONTRACT.
2. THE PLANS DESIGNATE AT LEAST TWO (2) BENCHMARKS. ONLY DESIGNATED BENCHMARKS SHALL BE USED WHEN ESTABLISHING INTERIM AND FINAL ELEVATIONS FOR ALL NEW CONSTRUCTION IMPROVEMENTS. THE CONTRACTOR IS PROCEEDING AT ITS OWN RISK IF NEW ELEVATIONS ARE ESTABLISHED BY REFERENCING ANY ELEVATION OTHER THAN A DESIGNATED BENCHMARK.
3. REFER TO THE PROJECT SPECIFICATIONS FOR SPECIFIC EARTHWORK AND COMPACTION REQUIREMENTS AFTER DEMOLITION AND ROUGH GRADING HAS BEEN COMPLETED.
4. THE MAXIMUM RUNNING AND CROSS SLOPES OF SIDEWALKS ALONG A MEANS OF EGRESS SHALL BE AS FOLLOWS:
   - CROSS SLOPE: 2% MAXIMUM
   - RUNNING SLOPE: 5% MAXIMUM
   - ADA COMPLIANT RAMP: 8.3% MAXIMUM
5. SPOT ELEVATIONS ARE SHOWN ON THE PLAN IN KEY LOCATIONS AND PROPOSED CONSTRUCTION IS REQUIRED TO ACHIEVE THESE ELEVATIONS TO ENSURE CODE COMPLIANCE. THE PROPOSED SPOT ELEVATIONS SHOWN ON THE PLAN ENSURE THAT THE REQUIREMENTS IN NOTE #4 ARE MET.
6. FURNISH A DETAILED "AS–BUILT" SURVEY DOCUMENTING THAT THE GRADES AND ELEVATIONS SHOWN ON THE GRADING PLAN HAVE BEEN MET DURING CONSTRUCTION AND COMPLY WITH NOTES ABOVE. ANY CONSTRUCTION (ESPECIALLY BARRIER FREE (ADA) PARKING STALLS, CURB RAMPS & WALKWAYS) THAT EXCEEDS THE GRADES SHOWN IN NOTE #4 WILL BE RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE.
7. **ENGAGE A LICENSED PROFESSIONAL LAND SURVEYOR TO STAKE OUT CONSTRUCTION AND SET CONTROL POINTS SO THAT THE LINES AND GRADES SHOWN ON THE PLAN ARE MET.**
8. LAWN AREAS AROUND NEW CONSTRUCTION SHALL BE GRADED TO PROVIDE A FLUSH EDGE AND UNIFORM TRANSITION BETWEEN EXISTING AND PROPOSED ELEVATIONS. THE LIMITS OF GRADING (WHEN NOT CLEARLY DISCERNABLE BY CONTOUR LINES AND SPOT ELEVATIONS) SHALL BE EXTENDED UP TO 5 FEET BEYOND THE LIMIT OF CONSTRUCTION TO ENSURE THAT A SMOOTH TRANSITION IS PROVIDED.
9. ALL AREAS OF THE SITE SHALL BE GRADED TO ENSURE THAT STORM WATER DOES NOT POOL OR BECOME IMPOUNDED.
10. THE RECOMMENDED MINIMUM SLOPE IN LAWN AREAS IS ONE AND ONE–HALF (1.5) PERCENT. IN SOME AREAS IT IS NECESSARY FOR LAWN AREAS TO SLOPE AS LITTLE AS ONE (1) PERCENT. IN THESE AREAS, THE CONTRACTOR SHALL TAKE ADDITIONAL MEASURES TO FINE GRADE FINISHED SURFACES TO MAINTAIN POSITIVE DRAINAGE.
11. ALL IMPORTED FILL AND DENSE GRADED AGGREGATE SHALL BE CERTIFIED CLEAN PER THE NJ RESIDENTIAL SITE REMEDIATION STANDARDS.

NOTES:

1. INCLUDE IN THE BID, A **UNIT PRICE AND ALLOWANCE FOR 175 CUBIC YARDS** OF SUBGRADE RECONSTRUCTION, WHERE/IF AUTHORIZED BY THE GEOTECHNICAL ENGINEER. NOTE THE UNIT PRICE SHALL REMAIN FIXED, REGARDLESS OF THE ACTUAL QUANTITY OF SUBGRADE RECONSTRUCTION THAT IS AUTHORIZED, EVEN IF SAID AMOUNT EXCEEDS THE TOTAL VOLUME NOTED ABOVE.
2. THE GEOTECHNICAL ENGINEER **MUST BE PRESENT WHEN SUBGRADE IS REACHED** TO CONDUCT FIELD TESTING TO DETERMINE THE SUBGRADE SUITABILITY. ANY SUBGRADE THAT IS DAMAGED, DUE TO POOR CONSTRUCTION PRACTICES OR LACK OF SUFFICIENT DE–WATERING, WILL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
3. THIS ALLOWANCE ITEM SHALL INCLUDE ALL EXCAVATION OF POOR SUBGRADE SOIL, DISPOSAL OF WASTE MATERIALS, IMPORT & TESTING (NOTE #5) OF STRUCTURAL FILL, PLACEMENT AND COMPACTION OF ALL MATERIALS, AND ALL ELSE NECESSARY AND INCIDENTAL THERETO.
4. THE GEOTECHNICAL ENGINEER MUST BE PRESENT TO OVERSEE ALL SUBGRADE RECONSTRUCTION AND MUST RETAIN MATERIAL SUPPLY TICKETS TO CONFIRM THE CONSTRUCTED QUANTITIES.
5. THE CONTRACTOR MUST PROVIDE A SUBMITTAL FOR STRUCTURAL FILL, PRIOR TO THE START OF WORK, VERIFYING THAT ITS GRADATION MEETS OR EXCEEDS THE SPECIFICATIONS. VIRGIN QUARRY–MANUFACTURED STRUCTURAL FILL DOES NOT REQUIRE A CLEAN FILL CERTIFICATION. ALL OTHER FILL SHALL BE TESTED AND CERTIFIED CLEAN PER THE EARTHWORK SPECIFICATIONS.
6. THE 12" DEPTH NOTED IN THIS DETAIL MAY BE CHANGED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER BASED UPON FIELD CONDITIONS, AND SHALL NOT AFFECT THE UNIT PRICE.

① BASE BID
SUBGRADE RECONSTRUCTION
IF & WHERE (ALLOWANCE #)
NOT TO SCALE

NOTE:
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LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM
lowercase text	*UPPERCASE TEXT*	TEXT & NOTES
○	● / ◐	MANHOLE– NEW/RECONSTRUCT
□	■ / ◪	INLET– NEW/RECONSTRUCT
◎ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	*GV* ⋈ *WV*	VALVE–TYPE
		FIRE HYDRANT/FDC
		UTIL. POLE/W–LIGHT/W–TRANSF.
		STREET/TRAFFIC SIGNS:
		FREESTANDING LIGHT
	⊠	NEW ELEC. HAND HOLE
—x—	—X—	FENCE
+70.25	x70.25	SPOT ELEVATIONS
—68—	—68—	CONTOUR LINE
– – g – –	—G—	GAS LINE
– – w – –	—W—	WATER LINE
– – – –		PAVEMENT EDGE
	▨	FULL DEPTH DEMOLITION
	▨	STANDARD DUTY HOT MIX ASPHALT PAVEMENT
	▨	HEAVY DUTY HOT MIX ASPHALT PAVEMENT
======	══━━	CURB/DEPRESSED CURB (DC)
	▨	PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
– – st – –		STORM SEWER >=12" DIA.
– – st – –	━ ━	STORM SEWER <12" DIA
– – sa – –	—SA—	SANITARY SEWER
— // —		OVERHEAD POWER LINE
– – e – –	—E—	ELEC. SERVICE/CONDUIT

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT
APPROX	APPROXIMATE
BF	BARRIER FREE
BC	BOTTOM OF CURB REVEAL
BDC	BOTTOM OF DEPRESSED CURB
BIT	BITUMINOUS
BM	BENCHMARK
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEP
BW	BOTTOM WALL (GRADE)
COMM	DATA/COMMUNICATION CABLE
CONFIG.	CONFIGURATION
CLF	CHAIN LINK FENCE
C.O.	CLEAN OUT
CONC	CONCRETE
DC	DEPRESSED CURB (FLUSH TO PAVEMENT)
DEP	DEPRESSED CURB
DEMO	DEMOLITION
DIP	DUCTILE IRON PIPE
E	ELECTRIC
ELEV	ELEVATION (FT.)
EX	EXISTING
FDC	FIRE DEPT. CONN.
FO	FIBER OPTIC CABLE
FTG.	FOOTING
FFE	FINISHED FLOOR ELEVATION
G	GAS PIPE LINE
GRT	GRATE (ELEVATION)
GV	GAS VALVE
HC	HANDICAPPED
HP	HIGH POINT
HYD	FIRE HYDRANT
INV	INVERT (ELEV.)
LF	LINEAR FEET
LP	LOW POINT
MH	MANHOLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
O/H	OVERHEAD
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PEP	POLYETHYLENE PIPE (HDPE)
PROP	PROPOSED
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONC. PIPE
RL	ROOF LEADER
RLUG	ROOF LEADER UNDERGROUND
SCD	SOIL CONSERVATION DISTRICT
ST	STORM SEWER PIPE
SS/SAN	SANITARY SEWER PIPE
TEL	TELEPHONE
TB	TOP OF BORDER
TBR	TO BE REMOVED
TC	TOP OF CURB
TCW	TOP OF CURB WALL+
TDC	TOP OF DEPRESSED CURB
TP	TEST PIT
TR	TOP OF RAMP
TRANSF	TRANSFORMER
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
U/G	UNDERGROUND
UP	UTILITY POLE
V.I.F.	VERIFY IN FIELD
W	WATER
WV	WATER VALVE

Civil Engineering Consultant: EEG 1634D

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AN L2A COMPANY

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Architect 2/12/26 Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

Scale

Drawing Name
SITE GRADING PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
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	01.02.26	NJ DCA REVISIONS
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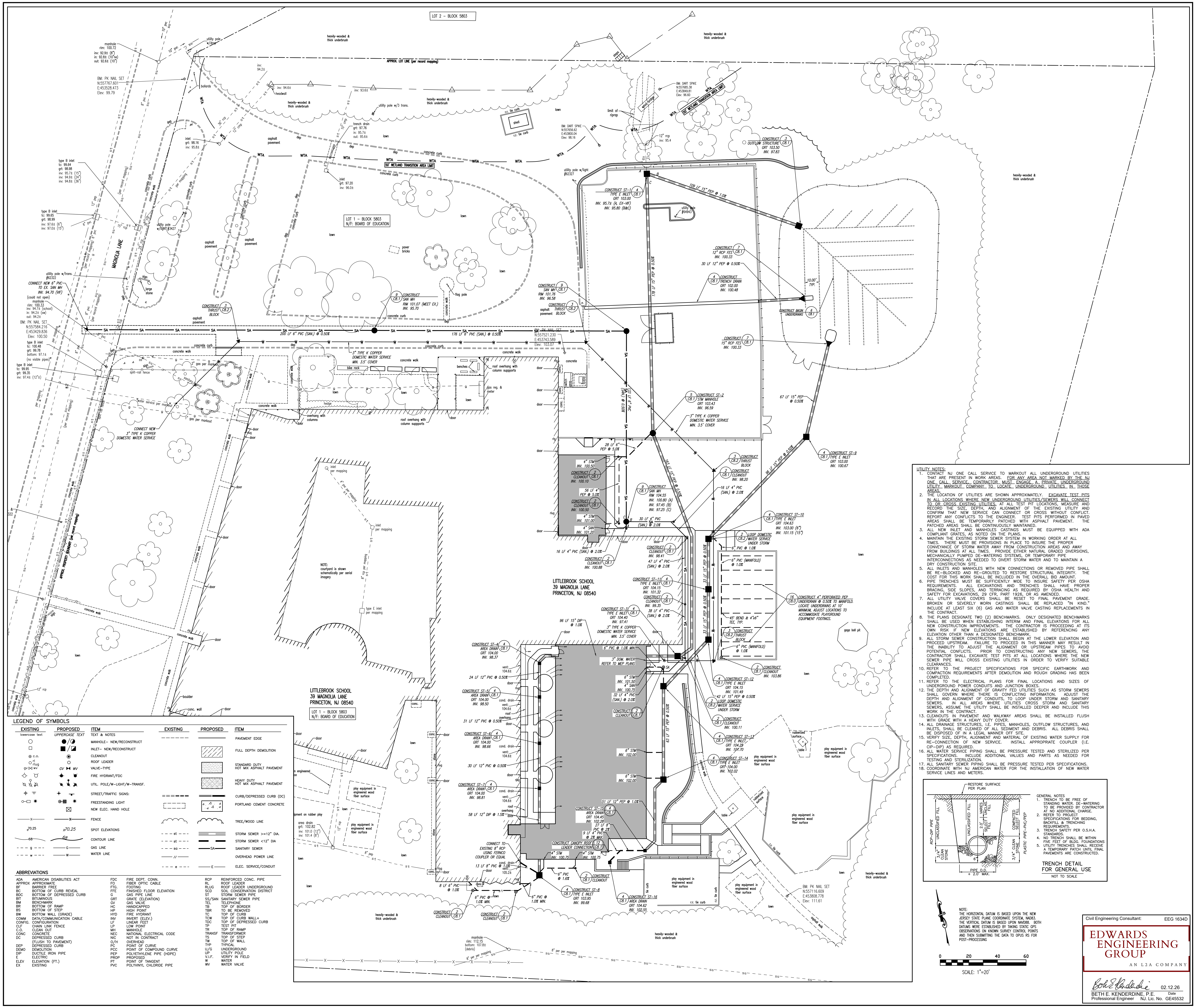
Drawing Number
C-4.0


LOT 2 – BLOCK 5803
APPROX. LOT LINE (per record mapping)
heavily–wooded & thick underbrush
manhole rim: 100.72 inv: 92.9± (8") in: 92.8± (10"ne) out: 92.6± (10")
BM: PK NAIL SET N:557767.601 E:453528.473 Elev: 99.79
utility pole w/drop
bollards
10" pvc
inv: 94.2±
inv: 94.6±
headwall
inv: 93.6±
utility pole w/3 trans.
trench drain grt: 97.76 in: 95.7± out: 95.6±
shed
r.r. tie curb
lawn
BM: DART SPIKE N:557656.62 E:453800.04 Elev: 98.16
BM: DART SPIKE N:557685.38 E:453849.81 Elev: 96.60
limit of riprap
wood bridge
12" rcp inv: 95.4
50' WETLAND TRANSITION AREA LIMIT
WTA
inlet grt: 98.16 inv: 95.8±
inlet grt: 97.20 inv: 96.0±
type B inlet tc: 99.64 grt: 98.98 inv: 95.7± (15") inv: 94.9± (24") inv: 94.8± (36")
type B inlet tc: 99.65 grt: 98.99 inv: 97.6± (6") inv: 97.0± (15")
MAGNOLIA LANE
utility pole w/light #3427
utility pole w/trans. #62322
CONNECT NEW 6" PVC TO EX. SAN MH INV. 94.70 (VIF)
(could not open) manhole rim: 100.33 inv: 94.7± (school) in: 94.2± (sw) out: 94.2±
BM: PK NAIL SET N:557584.216 E:453429.836 Elev: 100.50
type B inlet tc: 100.48 grt: 99.78 bottom: 97.1± (no visible pipes)
type B inlet tc: 99.95 grt: 99.35 inv: 97.4± (12"±)
LOT 1 – BLOCK 5803 N/F: BOARD OF EDUCATION
asphalt pavement
concrete curb
concrete walk
paver bricks
flag pole
large stone
CONSTRUCT 3 C8.2 THRUST BLOCK
CONSTRUCT 9 C8.1 SAN MH RIM 101.07 (MEET EX.) INV. 95.70
200 LF 6" PVC (SAN.) @ 0.50%
176 LF 6" PVC (SAN.) @ 0.50%
3" TYPE K COPPER DOMESTIC WATER SERVICE MIN. 3.5' COVER
CONNECT NEW 3" TYPE K COPPER DOMESTIC WATER SERVICE
2" gas per markout
1" gas per markout
water service per markout
split-rail fence
sanitary lateral
bike rack
benches
hedge
roof overhang with column suppports
overhang with columns
gas reg. & meter
BM: PK NAIL SET N:557521.230 E:453743.589 Elev: 103.07
utility pole w/light #62327
CONSTRUCT ST–1 4 C8.1 TYPE E INLET GRT 103.00 INV. 95.7± (A, EX–VIF) INV. 95.80 (B&C)
109 LF 15" PEP @ 1.0%
utility pole #64943
CONSTRUCT 3 C8.1 OUTFLOW STRUCTURE GRT 103.50 INV. 97.83
CONSTRUCT 7 C8.1 12" RCP FES INV. 100.33
30 LF 12" PEP @ 0.50%
CONSTRUCT 4 C8.1 TRENCH DRAIN GRT 102.00 INV. 100.48
10.00' TYP.
CONSTRUCT BASIN UNDERDRAINS 6 C8.1
CONSTRUCT 9 C8.1 SAN MH RIM 101.76 INV. 96.58
CONSTRUCT 3 C8.2 THRUST BLOCK
178 LF 15" PEP @ 0.50%
133 LF 6" PVC (SAN.) @ 0.50%
CONSTRUCT 7 C8.1 15" RCP FES INV. 100.33
67 LF 15" PEP @ 0.50%
CONSTRUCT ST–2 5 C8.1 STM MANHOLE GRT 103.43 INV. 96.59
28 LF 6" PEP @ 5.0%
4" STM INV. 100.50
CONSTRUCT 2 C8.1 CLEANOUT INV. 100.10
56 LF 4" PEP @ 5.0%
CONSTRUCT 2 C8.1 CLEANOUT INV. 100.50
4" STM INV. 101.00
4" SAN INV. 101.20
163 LF 15" PEP @ 0.50%
96 LF 15" PEP @ 0.50%
CONSTRUCT ST–9 4 C8.1 TYPE E INLET GRT 103.00 INV. 100.67
CONSTRUCT 3 C8.2 THRUST BLOCK
CONSTRUCT 2 C8.1 CLEANOUT INV. 98.20
16 LF 4" PVC (SAN.) @ 2.0%
CONSTRUCT 9 C8.1 SAN MH RIM 104.55 INV. 100.80 (A) INV. 97.45 (B) INV. 97.25 (C)
30 LF 4" PVC (SAN.) @ 2.0%
CONSTRUCT ST–10 4 C8.1 TYPE E INLET GRT 104.63 INV. 103.00 (6") INV. 101.15 (15")
2 C8.2 LOOP DOMESTIC WATER SERVICE UNDER STORM
6" PVC @ 1.0%
16 LF 4" PVC (SAN.) @ 2.0%
CONSTRUCT 2 C8.1 CLEANOUT INV. 100.88
CONSTRUCT 2 C8.1 CLEANOUT INV. 98.41
47 LF 4" PVC (SAN.) @ 2.0%
33 LF 15" PEP @ 0.50%
6" PVC (MANIFOLD) @ 1.0%
LITTLEBROOK SCHOOL 39 MAGNOLIA LANE PRINCETON, NJ 08540
CONSTRUCT ST–11 4 C8.1 TYPE E INLET GRT 104.15 INV. 101.32
CONSTRUCT 2 C8.1 CLEANOUT INV. 99.35
38 LF 4" PVC (SAN.) @ 2.0%
16 C8.0 CONSTRUCT 4" PERFORATED PEP UNDERDRAIN @ 0.50% TO MANIFOLD. LOCATE UNDERDRAINS AT 10' MINIMUM, ADJUST LOCATIONS TO ACCOMMODATE PLAYGROUND EQUIPMENT FOOTINGS.
45° BEND & 4"x6" TEE, TYP.
CONSTRUCT 3 C8.2 THRUST BLOCK
gaga ball pit
CONSTRUCT ST–3 4 C8.1 TYPE E INLET GRT 104.40 INV. 97.41
3" TYPE K COPPER DOMESTIC WATER SERVICE MIN. 3.5' COVER
96 LF 15" DIP @ 1.0%
6" PVC @ 1.0% MIN.
3" DOM. WATER REFER TO MEP PLANS
6" STM INV. 101.50
4" SAN INV. 100.75
32 LF 4" PVC (SAN.) @ 2.0%
CONSTRUCT 2 C8.1 CLEANOUT
CONSTRUCT 2 C8.1 CLEANOUT INV. 103.86
CONSTRUCT ST–12 4 C8.1 TYPE E INLET GRT 104.15 INV. 101.49
42 LF 15" PEP @ 0.50%
2 C8.2 LOOP DOMESTIC WATER SERVICE UNDER STORM
CONSTRUCT 2 C8.1 CLEANOUT INV. 100.11
CONSTRUCT ST–13 4 C8.1 TYPE E INLET GRT 104.25 INV. 101.70
CONSTRUCT ST–14 4 C8.1 TYPE E INLET GRT 104.00 INV. 102.02
63 LF 15" PEP @ 0.50%
6" STM INV. 102.00
CONSTRUCT ST–4 4 C8.1 AREA DRAIN GRT 104.00 INV. 98.37
24 LF 12" PVC @ 0.50%
CONSTRUCT ST–5 4 C8.1 AREA DRAIN GRT 104.00 INV. 98.50
31 LF 12" PVC @ 0.50%
CONSTRUCT ST–6 4 C8.1 AREA DRAIN GRT 104.00 INV. 98.66
30 LF 12" PVC @ 0.50%
CONSTRUCT ST–7 4 C8.1 AREA DRAIN GRT 104.00 INV. 98.81
58 LF 12" DIP @ 1.5%
vent: 104.6±
cond. drain
roof overhang
51 LF 12" PEP @ 1.0%
CONSTRUCT ST–15 4 C8.1 AREA DRAIN GRT 104.45 INV. 102.28
27 LF 8" PVC @ 2%
9 LF 4" PVC @ 2% MAX.
CONSTRUCT CANOPY ROOF LEADER CONNECTION 12 C8.1
CONNECT TO EXISTING 8" RCP USING FERNCO COUPLER OR EQUAL
13 LF 8" PVC @ 1.0%
vent: 105.2±
4" STM INV. 100.75
6" PVC @ 1.6%
CONSTRUCT 2 C8.1 CLEANOUT
8 LF 6" PVC @ 1.0%
6" PVC @ 1.0% MIN.
CONSTRUCT ST–8 4 C8.1 TYPE E INLET GRT 103.95 INV. 99.68
CONSTRUCT ST–16 4 C8.1 AREA DRAIN GRT 104.62 INV. 102.55
play equipment in engineered wood fiber surface
rubberized surface
table
r.r. tie curb
asphalt walk
BM: PK NAIL SET N:557116.609 E:453808.778 Elev: 111.61
manhole rim: 112.15 bottom: 107.8± (debris)
8" per per mapping
area drain grt: 102.82 inv: 101.0 (12") inv: 101.4 (8")
LITTLEBROOK SCHOOL 39 MAGNOLIA LANE PRINCETON, NJ 08540
LOT 1 – BLOCK 5803 N/F: BOARD OF EDUCATION
NOTE: courtyard is shown schematically per aerial imagery
inlet per mapping
type E inlet per mapping
APPROX. PROPERTY BOUNDARY (per record mapping)
boulder
conc. wall
door
switch gear
trans

LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM
lowercase text	*UPPERCASE TEXT*	TEXT & NOTES
○	● / ◑	MANHOLE– NEW/RECONSTRUCT
□	■ / ◪	INLET– NEW/RECONSTRUCT
◎ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	*GV* ⋈ *WV*	VALVE–TYPE
		FIRE HYDRANT/FDC
		UTIL. POLE/W–LIGHT/W–TRANSF.
		STREET/TRAFFIC SIGNS:
		FREESTANDING LIGHT
	⊠	NEW ELEC. HAND HOLE
——x——	——x——	FENCE
+70.25	*x70.25*	SPOT ELEVATIONS
68	*68*	CONTOUR LINE
– – – g – – –	——G——	GAS LINE
– – – w – – –	——W——	WATER LINE

EXISTING	PROPOSED	ITEM
– – – – – –	———	PAVEMENT EDGE
	▨	FULL DEPTH DEMOLITION
	▒	STANDARD DUTY HOT MIX ASPHALT PAVEMENT
	▦	HEAVY DUTY HOT MIX ASPHALT PAVEMENT
══════	══▬▬	CURB/DEPRESSED CURB (DC)
┌ – – ┐	▢	PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
– – – st – – –		STORM SEWER >=12" DIA.
– – – st – – –	▬ ▬	STORM SEWER <12" DIA
– – – sa – – –	——SA——	SANITARY SEWER
—— // ——		OVERHEAD POWER LINE
– – – e – – –	——E——	ELEC. SERVICE/CONDUIT

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT	FDC	FIRE DEPT. CONN.	RCP	REINFORCED CONC. PIPE
APPROX	APPROXIMATE	FO	FIBER OPTIC CABLE	RL	ROOF LEADER
BF	BARRIER FREE	FTG.	FOOTING	RLUG	ROOF LEADER UNDERGROUND
BC	BOTTOM OF CURB REVEAL	FFE	FINISHED FLOOR ELEVATION	SCD	SOIL CONSERVATION DISTRICT
BDC	BOTTOM OF DEPRESSED CURB	G	GAS PIPE LINE	ST	STORM SEWER PIPE
BIT	BITUMINOUS	GRT	GRATE (ELEVATION)	SS/SAN	SANITARY SEWER PIPE
BM	BENCHMARK	GV	GAS VALVE	TEL	TELEPHONE
BR	BOTTOM OF RAMP	HC	HANDICAPPED	TB	TOP OF BORDER
BS	BOTTOM OF STEP	HP	HIGH POINT	TBR	TO BE REMOVED
BW	BOTTOM WALL (GRADE)	HYD	FIRE HYDRANT	TC	TOP OF CURB
COMM	DATA/COMMUNICATION CABLE	INV	INVERT (ELEV.)	TCW	TOP OF CURB WALL+
CONFIG.	CONFIGURATION	LF	LINEAR FEET	TDC	TOP OF DEPRESSED CURB
CLF	CHAIN LINK FENCE	LP	LOW POINT	TP	TEST PIT
C.O.	CLEAN OUT	MH	MANHOLE	TR	TOP OF RAMP
CONC	CONCRETE	NEC	NATIONAL ELECTRICAL CODE	TRANSF	TRANSFORMER
DC	DEPRESSED CURB	NIC	NOT IN CONTRACT	TS	TOP OF STEP
	(FLUSH TO PAVEMENT)	O/H	OVERHEAD	TW	TOP OF WALL
DEP	DEPRESSED CURB	PC	POINT OF CURVE	TYP	TYPICAL
DEMO	DEMOLITION	PCC	POINT OF COMPOUND CURVE	U/G	UNDERGROUND
DIP	DUCTILE IRON PIPE	PEP	POLYETHYLENE PIPE (HDPE)	UP	UTILITY POLE
E	ELECTRIC	PROP	PROPOSED	V.I.F.	VERIFY IN FIELD
ELEV	ELEVATION (FT.)	PT	POINT OF TANGENT	W	WATER
EX	EXISTING	PVC	POLYVINYL CHLORIDE PIPE	WV	WATER VALVE

UTILITY NOTES:

1. CONTACT NJ ONE CALL SERVICE TO MARKOUT ALL UNDERGROUND UTILITIES THAT ARE PRESENT IN WORK AREAS. FOR ANY AREA NOT MARKED BY THE NJ ONE CALL SERVICE, CONTRACTOR MUST ENGAGE A PRIVATE UNDERGROUND UTILITY MARKOUT COMPANY TO LOCATE UNDERGROUND UTILITIES IN THOSE AREAS.
2. THE LOCATION OF UTILITIES ARE SHOWN APPROXIMATELY. EXCAVATE TEST PITS IN ALL LOCATIONS WHERE NEW UNDERGROUND UTILITIES/SEWERS WILL CONNECT TO OR CROSS EXISTING UTILITIES. AT ALL TEST PIT LOCATIONS, MEASURE AND RECORD THE SIZE, DEPTH, AND ALIGNMENT OF THE EXISTING UTILITY AND CONFIRM THAT NEW SERVICE CAN CONNECT OR CROSS WITHOUT CONFLICT. REPORT ANY CONFLICTS TO THE ENGINEER. TEST PITS PERFORMED IN PAVED AREAS SHALL BE TEMPORARILY PATCHED WITH ASPHALT PAVEMENT. THE PATCHED AREAS SHALL BE CONTINUOUSLY MAINTAINED.
3. ALL NEW INLET AND MANHOLES CASTINGS MUST BE EQUIPPED WITH ADA COMPLIANT GRATES, AS NOTED ON THE PLANS.
4. MAINTAIN THE EXISTING STORM SEWER SYSTEM IN WORKING ORDER AT ALL TIMES. THERE MUST BE PROVISIONS IN PLACE TO INSURE THE PROPER CONVEYANCE OF STORM WATER AWAY FROM CONSTRUCTION AREAS AND AWAY FROM BUILDINGS AT ALL TIMES. PROVIDE EITHER NATURAL GRADED DIVERSIONS, MECHANICALLY PUMPED DE–WATERING SYSTEMS, OR TEMPORARY PIPE INTERCONNECTIONS AS NEEDED TO DIVERT STORM WATER AND TO MAINTAIN A DRY CONSTRUCTION SITE.
5. ALL INLETS AND MANHOLES WITH NEW CONNECTIONS OR REMOVED PIPE SHALL BE RE–BLOCKED AND RE–GROUTED TO RESTORE STRUCTURAL INTEGRITY. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE OVERALL BID AMOUNT.
6. PIPE TRENCHES MUST BE SUFFICIENTLY WIDE TO INSURE SAFETY PER OSHA REQUIREMENTS. ALL EXCAVATIONS AND TRENCHES SHALL HAVE PROPER BRACING, SIDE SLOPES, AND TERRACING AS REQUIRED BY OSHA HEALTH AND SAFETY FOR EXCAVATIONS, 29 CFR, PART 1926, OR AS AMENDED.
7. ALL UTILITY VALVE COVERS SHALL BE RESET TO FINAL PAVEMENT GRADE. BROKEN OR SEVERELY WORN CASTINGS SHALL BE REPLACED "IN KIND." INCLUDE AT LEAST SIX (6) GAS AND WATER VALVE CASTING REPLACEMENTS IN THE CONTRACT.
8. THE PLANS DESIGNATE TWO (2) BENCHMARKS. ONLY DESIGNATED BENCHMARKS SHALL BE USED WHEN ESTABLISHING INTERIM AND FINAL ELEVATIONS FOR ALL NEW CONSTRUCTION IMPROVEMENTS. THE CONTRACTOR IS PROCEEDING AT ITS OWN RISK IF NEW ELEVATIONS ARE ESTABLISHED BY REFERENCING ANY ELEVATION OTHER THAN A DESIGNATED BENCHMARK.
9. ALL STORM SEWER CONSTRUCTION SHALL BEGIN AT THE LOWER ELEVATION AND PROCEED UPSTREAM. FAILURE TO PROCEED IN THIS MANNER MAY RESULT IN THE INABILITY TO ADJUST THE ALIGNMENT OR UPSTREAM PIPES TO AVOID POTENTIAL CONFLICTS. PRIOR TO CONSTRUCTING ANY NEW SEWERS, THE CONTRACTOR SHALL EXCAVATE TEST PITS AT ALL LOCATIONS WHERE THE NEW SEWER PIPE WILL CROSS EXISTING UTILITIES IN ORDER TO VERIFY SUITABLE CLEARANCES.
10. REFER TO THE PROJECT SPECIFICATIONS FOR SPECIFIC EARTHWORK AND COMPACTION REQUIREMENTS AFTER DEMOLITION AND ROUGH GRADING HAS BEEN COMPLETED.
11. REFER TO THE ELECTRICAL PLANS FOR FINAL LOCATIONS AND SIZES OF UNDERGROUND POWER CONDUITS AND JUNCTION BOXES.
12. THE DEPTH AND ALIGNMENT OF GRAVITY FED UTILITIES SUCH AS STORM SEWERS SHALL GOVERN WHERE THERE IS CONFLICTING INFORMATION. ADJUST THE DEPTH AND ALIGNMENT OF CONDUITS, TO LOOP UNDER STORM AND SANITARY SEWERS. IN ALL AREAS WHERE UTILITIES CROSS STORM AND SANITARY SEWERS, ASSUME THE UTILITY SHALL BE INSTALLED DEEPER AND INCLUDE THIS WORK IN THE CONTRACT.
13. CLEANOUTS IN PAVEMENT AND WALKWAY AREAS SHALL BE INSTALLED FLUSH WITH GRADE WITH A HEAVY DUTY COVER.
14. ALL DRAINAGE STRUCTURES, I.E. PIPES, MANHOLES, OUTFLOW STRUCTURES, AND INLETS, SHALL BE CLEANED OF ALL SEDIMENT AND DEBRIS. ALL DEBRIS SHALL BE DISPOSED OF IN A LEGAL MANNER OFF SITE.
15. VERIFY SIZE, DEPTH, ALIGNMENT AND MATERIAL OF EXISTING WATER SUPPLY FOR RE–CONNECTION OF NEW SERVICE. INSTALL APPROPRIATE COUPLER (I.E. CIP–DIP) AS REQUIRED.
16. ALL WATER SERVICE PIPING SHALL BE PRESSURE TESTED AND STERILIZED PER SPECIFICATIONS. INCLUDE ADDITIONAL VALUES AND PARTS AS NEEDED FOR TESTING AND STERILIZATION.
17. ALL SANITARY SEWER PIPING SHALL BE PRESSURE TESTED PER SPECIFICATIONS.
18. COORDINATE WITH NJ AMERICAN WATER FOR THE INSTALLATION OF NEW WATER SERVICE LINES AND METERS.

RESTORE SURFACE PER PLAN

RCP–DIP PIPE

UNCLASSIFIED FILL

3/4" CLEAN STONE

VARIES UNCLAS. FILL

2.0' SELECT FILL

6"

COMPACTED SELECT FILL

3/4" CLEAN STONE

PLASTIC PIPE–PVC/PEP

PIPE O.D. + 2.0' MAX.

GENERAL NOTES

1. TRENCH TO BE FREE OF STANDING WATER. DE–WATERING TO BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL CHARGE.
2. REFER TO PROJECT SPECIFICATIONS FOR BEDDING, BACKFILL & TRENCHING REQUIREMENTS.
3. TRENCH SAFETY PER O.S.H.A. STANDARDS.
4. NO TRENCH SHALL BE WITHIN FIVE FEET OF BLDG. FOUNDATIONS
5. UTILITY TRENCHES SHALL RECEIVE A TEMPORARY PATCH UNTIL FINAL PAVEMENTS ARE CONSTRUCTED.

TRENCH DETAIL FOR GENERAL USE

NOT TO SCALE

NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST–PROCESSING

0 20 40 60

SCALE: 1"=20'

Civil Engineering Consultant: EEG 1634D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

02.12.26
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
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WILLIAM D. HOPKINS III, AIA, LEED AP
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STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln, Princeton, NJ 08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

Scale

Drawing Name
SITE UTILITY PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-5.0

SITE PLANT SCHEDULE

TREES

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QTY
AR	ACER RUBRUM	RED MAPLE	1.5"–2" CAL.	7
LS	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	1.5"–2" CAL.	3
NS	NYSSA SYLVATICA	BLACK GUM	1.5"–2" CAL.	4
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	1.5"–2" CAL.	3
QP	QUERCUS PHELLOS	WILLOW OAK	1.5"–2" CAL.	5

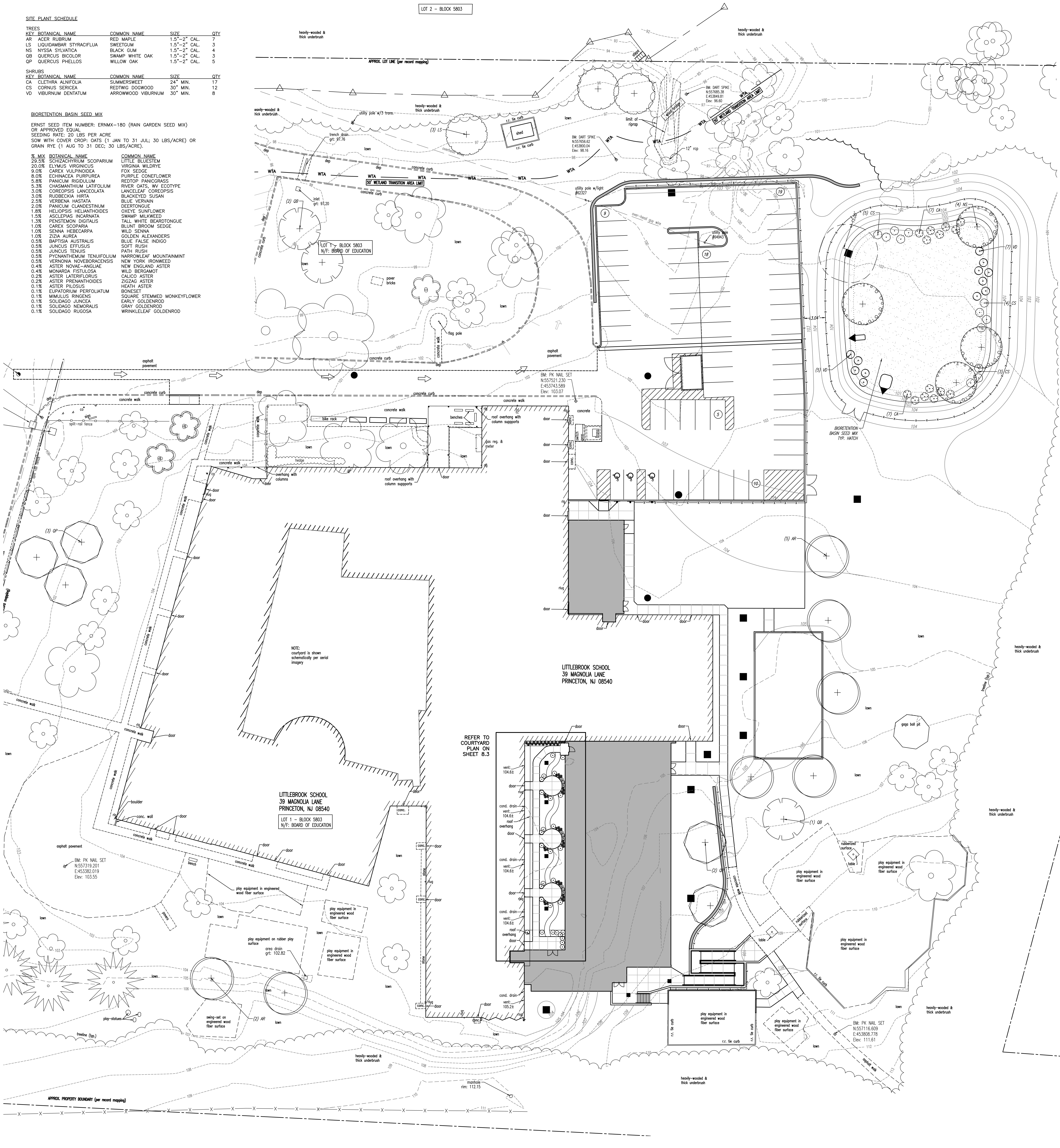
SHRUBS

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QTY
CA	CLETHRA ALNIFOLIA	SUMMERSWEET	24" MIN.	17
CS	CORNUS SERICEA	REDTWIG DOGWOOD	30" MIN.	12
VD	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	30" MIN.	8

BIORETENTION BASIN SEED MIX

ERNST SEED ITEM NUMBER: ERNMX–180 (RAIN GARDEN SEED MIX)
OR APPROVED EQUAL
SEEDING RATE: 20 LBS PER ACRE
SOW WITH COVER CROP: OATS (1 JAN TO 31 JUL; 30 LBS/ACRE) OR
GRAIN RYE (1 AUG TO 31 DEC; 30 LBS/ACRE).

% MIX	BOTANICAL NAME	COMMON NAME
29.5%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
20.0%	ELYMUS VIRGINICUS	VIRGINIA WILDRYE
9.0%	CAREX VULPINOIDEA	FOX SEDGE
8.0%	ECHINACEA PURPUREA	PURPLE CONEFLOWER
5.8%	PANICUM RIGIDULUM	REDTOP PANICGRASS
5.3%	CHASMANTHIUM LATIFOLIUM	RIVER OATS, WV ECOTYPE
3.0%	COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS
3.0%	RUDBECKIA HIRTA	BLACKEYED SUSAN
2.5%	VERBENA HASTATA	BLUE VERVAIN
2.0%	PANICUM CLANDESTINUM	DEERTONGUE
1.8%	HELIOPSIS HELIANTHOIDES	OXEYE SUNFLOWER
1.5%	ASCLEPIAS INCARNATA	SWAMP MILKWEED
1.3%	PENSTEMON DIGITALIS	TALL WHITE BEARDTONGUE
1.0%	CAREX SCOPARIA	BLUNT BROOM SEDGE
1.0%	SENNA HEBECARPA	WILD SENNA
1.0%	ZIZIA AUREA	GOLDEN ALEXANDERS
0.5%	BAPTISIA AUSTRALIS	BLUE FALSE INDIGO
0.5%	JUNCUS EFFUSUS	SOFT RUSH
0.5%	JUNCUS TENUIS	PATH RUSH
0.5%	PYCNANTHEMUM TENUIFOLIUM	NARROWLEAF MOUNTAINMINT
0.5%	VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED
0.4%	ASTER NOVAE–ANGLIAE	NEW ENGLAND ASTER
0.4%	MONARDA FISTULOSA	WILD BERGAMOT
0.2%	ASTER LATERIFLORUS	CALICO ASTER
0.2%	ASTER PRENANTHOIDES	ZIGZAG ASTER
0.1%	ASTER PILOSUS	HEATH ASTER
0.1%	EUPATORIUM PERFOLIATUM	BONESET
0.1%	MIMULUS RINGENS	SQUARE STEMMED MONKEYFLOWER
0.1%	SOLIDAGO JUNCEA	EARLY GOLDENROD
0.1%	SOLIDAGO NEMORALIS	GRAY GOLDENROD
0.1%	SOLIDAGO RUGOSA	WRINKLELEAF GOLDENROD


LOT 2 – BLOCK 5803
APPROX. LOT LINE (per record mapping)
heavily-wooded & thick underbrush
50' WETLAND TRANSITION AREA LIMIT
WTA
BM: DART SPIKE
utility pole w/3 tran.
limit of riprap
12" rcp
trench drain
shed
lawn
LOT 1 – BLOCK 5803
N/F: BOARD OF EDUCATION
flag pole
asphalt pavement
concrete curb
concrete walk
bike rack
benches
roof overhang with column supports
hedge
split-rail fence
BM: PK NAIL SET
BIORETENTION BASIN SEED MIX TYP. HATCH
NOTE: courtyard is shown schematically per aerial imagery
LITTLEBROOK SCHOOL
39 MAGNOLIA LANE
PRINCETON, NJ 08540
REFER TO COURTYARD PLAN ON SHEET 8.3
gaga ball pit
play equipment in engineered wood fiber surface
swing-set on engineered wood fiber surface
play equipment on rubber play surface
rubberized surface
boulder
conc. wall
treeline (typ.)
manhole rim: 112.15
APPROX. PROPERTY BOUNDARY (per record mapping)
(3) QP
(3) AR
(2) QB
(2) AR
(7) VD
(7) CA
(4) NS
(3) CS
(4) CS
(5) VD

NOTE:
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0 20 40 60

SCALE: 1"=20'

LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM
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○	● / ◑	MANHOLE– NEW/RECONSTRUCT
□	■ / ◪	INLET– NEW/RECONSTRUCT
◎ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	GV ⋈ WV	VALVE–TYPE
		FIRE HYDRANT/FDC
		UTIL. POLE/W–LIGHT/W–TRANSF.
		STREET/TRAFFIC SIGNS:
		FREESTANDING LIGHT
	⊠	NEW ELEC. HAND HOLE
—x—	—X—	FENCE
+70.25	x70.25	SPOT ELEVATIONS
—68—	—68—	CONTOUR LINE
– – – g – – –	—G—	GAS LINE
– – – w – – –	—W—	WATER LINE

EXISTING	PROPOSED	ITEM
– – – – – – –	———	PAVEMENT EDGE
	▨	FULL DEPTH DEMOLITION
		STANDARD DUTY HOT MIX ASPHALT PAVEMENT
		HEAVY DUTY HOT MIX ASPHALT PAVEMENT
══════	══════	CURB/DEPRESSED CURB (DC)
		PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
– – – st – – –		STORM SEWER >=12" DIA.
– – – st – – –		STORM SEWER <12" DIA
– – – sa – – –	—SA—	SANITARY SEWER
—//—		OVERHEAD POWER LINE
– – – e – – –	—E—	ELEC. SERVICE/CONDUIT

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT
APPROX	APPROXIMATE
BF	BARRIER FREE
BC	BOTTOM OF CURB REVEAL
BDC	BOTTOM OF DEPRESSED CURB
BIT	BITUMINOUS
BM	BENCHMARK
BR	BOTTOM OF RAMP
BS	BOTTOM OF STEP
BW	BOTTOM WALL (GRADE)
COMM	DATA/COMMUNICATION CABLE
CONFIG.	CONFIGURATION
CLF	CHAIN LINK FENCE
C.O.	CLEAN OUT
CONC	CONCRETE
DC	DEPRESSED CURB (FLUSH TO PAVEMENT)
DEP	DEPRESSED CURB
DEMO	DEMOLITION
DIP	DUCTILE IRON PIPE
E	ELECTRIC
ELEV	ELEVATION (FT.)
EX	EXISTING
FDC	FIRE DEPT. CONN.
FO	FIBER OPTIC CABLE
FTG.	FOOTING
FFE	FINISHED FLOOR ELEVATION
G	GAS PIPE LINE
GRT	GRATE (ELEVATION)
GV	GAS VALVE
HC	HANDICAPPED
HP	HIGH POINT
HYD	FIRE HYDRANT
INV	INVERT (ELEV.)
LF	LINEAR FEET
LP	LOW POINT
MH	MANHOLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
O/H	OVERHEAD
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PEP	POLYETHYLENE PIPE (HDPE)
PROP	PROPOSED
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONC. PIPE
RL	ROOF LEADER
RLUG	ROOF LEADER UNDERGROUND
SCD	SOIL CONSERVATION DISTRICT
ST	STORM SEWER PIPE
SS/SAN	SANITARY SEWER PIPE
TEL	TELEPHONE
TB	TOP OF BORDER
TBR	TO BE REMOVED
TC	TOP OF CURB
TCW	TOP OF CURB WALL+
TDC	TOP OF DEPRESSED CURB
TP	TEST PIT
TR	TOP OF RAMP
TRANSF	TRANSFORMER
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
U/G	UNDERGROUND
UP	UTILITY POLE
V.I.F.	VERIFY IN FIELD
W	WATER
WV	WATER VALVE

PLANTING SPECIFICATIONS

1. SCOPE OF WORK: THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH LIGHTING AND IRRIGATION CONTRACTORS REGARDING TIMING OF INSTALLATION OF PLANT MATERIAL.
2. MATERIALS:
   A. ALL MATERIALS SHALL BE BEST OF ITS KIND AVAILABLE.
   B. PLANTS SHALL CONFORM TO CURRENT "AMERICAN STANDARDS FOR NURSERY STOCK" BY AMERICAN ASSOCIATION OF NURSERYMEN (AAN), PARTICULARLY WITH REGARD TO SIZE, GROWTH, SIZE OF BALL, AND DENSITY OF BRANCH STRUCTURE.
   C. ALL PLANTS SHALL HAVE NORMAL, WELL–DEVELOPED BRANCHES & VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUN SCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS AND ALL OTHER FORMS OF INFECTION. ALL PLANTS SHALL BE NURSERY GROWN. ALL PLANTS SHALL BE GRADE "A" NURSERY STOCK.
   D. PLANTS PLANTED IN ROWS SHALL BE MATCHED SPECIMENS AND BE UNIFORM IN SIZE AND FORM.
   E. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER OR LANDSCAPE ARCHITECT.
   F. HARDWOOD MULCH TO BE DOUBLE–SHREDDED HARDWOOD MULCH TO MEET THE STANDARDS SET FORTH IN THE "SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY STANDARDS"
4. GENERAL WORK PROCEDURES:
   A. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING.
   B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY THE ENGINEER IF ANY DISCREPANCIES ARE ENCOUNTERED.
   C. IN THE EVENT OF VARIATIONS BETWEEN WRITTEN QUANTITIES SHOWN ON THE PLAN AND THE PLANT LIST, THE PLANS SHALL CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES PRIOR TO THE COMMENCEMENT OF WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING.
   D. PERMEABLE WEED RETARDANT BARRIER SHALL BE USED IN ALL NON–GRASSED AREA.
5. WEEDING: BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
6. TOPSOILING:
   A. CONTRACTOR TO PROVIDE SIX INCHES (6") MINIMUM THICK TOPSOIL LAYER IN ALL PLANTING AREA AND FIVE INCHES (5") MINIMUM THICK TOPSOIL LAYER IN ALL SEEDED AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE THE REQUIRED COMPACTED THICKNESS.
   B. TOPSOIL TO MEET THE STANDARDS SET FORTH IN THE "SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY STANDARDS." BEFORE PLANTING, CONTRACTOR SHALL TEST TOPSOIL UTILIZED IN ALL PLANTING AREAS FOR PH, FERTILIZER SALTS, ORGANIC MATTER AND BULK DENSITY AND ADJUST LEVELS AS REQUIRED BY STANDARDS SET FORTH IN THE "SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY STANDARDS."
   G. THE CONTRACTOR SHALL FERTILIZE ALL PLANT MATERIAL WITH 5–10–5 FERTILIZER, OR APPROVED EQUAL AT THE RATE SPECIFIED BY THE MANUFACTURER AS NECESSARY. ALL TURF AREAS SHALL BE LIMED AND FERTILIZED APPROPRIATELY FOR THE TYPES OF SOILS ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SOIL ACIDITY AND A SOIL TEST CONDUCTED BY THE COUNTY SOIL DISTRICT OR EXTENSION SERVICE TO ESTABLISH THE SOIL'S LIME AND FERTILIZER RATES.
   H. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
   I. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP SIX INCHES (6") OF PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE, OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED MATERIALS (UP TO 30% BY VOLUME). IMPROVE DRAINAGE IN HEAVY SOILS BY INCLUDING SUBSURFACE DRAINAGE LINES. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
7. PLANTING:
   A. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED. IF UTILITY LINES ARE ENCOUNTERED IN EXCAVATION OF TREE PITS, OTHER LOCATIONS FOR TREES SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. NO CHANGES OF LOCATION SHALL BE MADE WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
   B. PLANTS SHALL BE PRUNED OF DEAD, DAMAGED, OR DISEASED BRANCHES PRIOR TO DELIVERY. PRUNING SHALL MAINTAIN THE NATURAL FORM OR HABIT OF THE PLANT UNLESS A FORMAL HEDGE HAS BEEN SPECIFIED BY THE LANDSCAPE ARCHITECT. FLOWERING SHRUBS/TREES TO BE PRUNED AFTER FLOWERING. A CLEAN CUT SHALL BE MADE PERPENDICULAR TO THE BRANCH WITH A SHARP IMPLEMENT. TREE LEADERS SHALL NEVER BE CUT. ALL INJURED ROOTS SHALL BE PRUNED PRIOR TO PLANTING. A CLEAN CUT SHALL BE MADE PERPENDICULAR TO THE ROOT WITH A SHARP IMPLEMENT. PRUNE ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS TO A MIN. OF 7' BRANCHING HEIGHT.
   C. PLANTS SHOULD BE PLANTED ON DAY OF DELIVERY; CONTRACTOR SHALL PROTECT AND WATER MATERIALS NOT PLANTED ON DAY OF DELIVERY. ALL MATERIALS TO BE PLANTED WITHIN THREE DAYS AFTER DELIVERY.
   D. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
   E. CUT AND REMOVE BURLAP, ROPE, AND WIRE BASKET FROM THE TOP 1/3 OF THE ROOT BALL. NYLON ROPE AND/OR NYLON BALLING MATERIAL SHALL NOT BE USED.
   F. ALL PLANTS SHALL BE SET SO THAT THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
   G. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH PLANT IN SUCH MANNER AS NOT TO DISTURB BACK FILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. ALL WATER APPLIED TO PLANTED OR TURF AREAS SHALL BE FREE FROM IMPURITIES HARMFUL TO VEGETATION AND APPLIED AT A RATE OF 5 GALLONS OF WATER PER SQUARE YARD OF PLANT PIT IMMEDIATELY AFTER PLANTING AND INSTALLATION. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADEQUATE IRRIGATION TO ALL PLANT MATERIALS AND LAWN AREAS INSTALLED AS PART OF THIS CONTRACT DURING THE CONSTRUCTION TIME PERIOD UP TO AND INCLUDING THE TIME PERIOD ESTABLISHED FOR PLANT MATERIAL SURVIVAL GUARANTEE. WATER APPLIED DURING THE GUARANTEE PERIOD SHALL BE AT THE RATE OF 1 INCH OF WATER PER WEEK, WITH AN ALLOWANCE FOR NATURAL PRECIPITATION AND RAINFALL.
   H. ROOT BARRIER PRODUCT SHALL BE INSTALLED IN THE PLANTING PITS OF TREES BEING INSTALLED WITHIN TEN FEET OF NEW OR EXISTING PAVEMENT, CURB OR SIDEWALK. ROOT BARRIER SHALL ONLY BE INSTALLED IN SIDE(S) OF PLANTING PITS THAT ARE WITHIN TEN FEET OF NEW OR EXISTING PAVEMENT, CURB OR SIDEWALK
   I. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR STABILITY AND CONDITIONS OF ALL TREES AND SHRUBS AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF ANY PLANT MATERIALS.
   J. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
8. SEEDING:
   A. ALL CLEARED GROUND NOT INDICATED FOR PLANTING SHALL BE SEEDED WITH LAWN GRASS.
   B. ALL SEEDED AREAS TO BE MULCHED IN ACCORDANCE WITH THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY".
9. GUARANTEE:
   A. CONTRACTOR SHALL GUARANTEE ALL PLANTS AND LAWN FOR A PERIOD OF TWO (2) YEAR FROM ACCEPTANCE OF JOB TO BE ALIVE AND IN VIGOROUS GROWING CONDITION DURING AND AT THE END OF THE GUARANTEE PERIOD. REMOVE UNSATISFACTORY AND DEAD PLANTS EVERY MONTH DURING THE GUARANTEE PERIOD AND REPLACE WITH PLANTS OF THE SAME KIND, QUALITY, AND SIZE AS SPECIFIED.
   B. UPON COMPLETION OF THE TWO (2) YEAR PLANT GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REMOVING TREE STAKES AND GUY WIRES FROM ALL TREES. THIS SHALL BE DONE IN CONSULTATION WITH THE LANDSCAPE ARCHITECT.
   C. MEADOW AREAS SHALL BE NO MORE THAN 20% WEED SPECIES AT THE END OF FIRST TWO (2) GROWING SEASONS.

Civil Engineering Consultant: EEG 1634D

EDWARDS
ENGINEERING
GROUP
AN L2A COMPANY

Beth E Kenderdine 02.12.26
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532

NJDCA Electronic Release Stamp

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Architect
2/12/26
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F V H D P C . C O M

Project Name
Addition and
Renovations to
Littlebrook
Elementary School

Project Owner Name
Princeton Public
Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

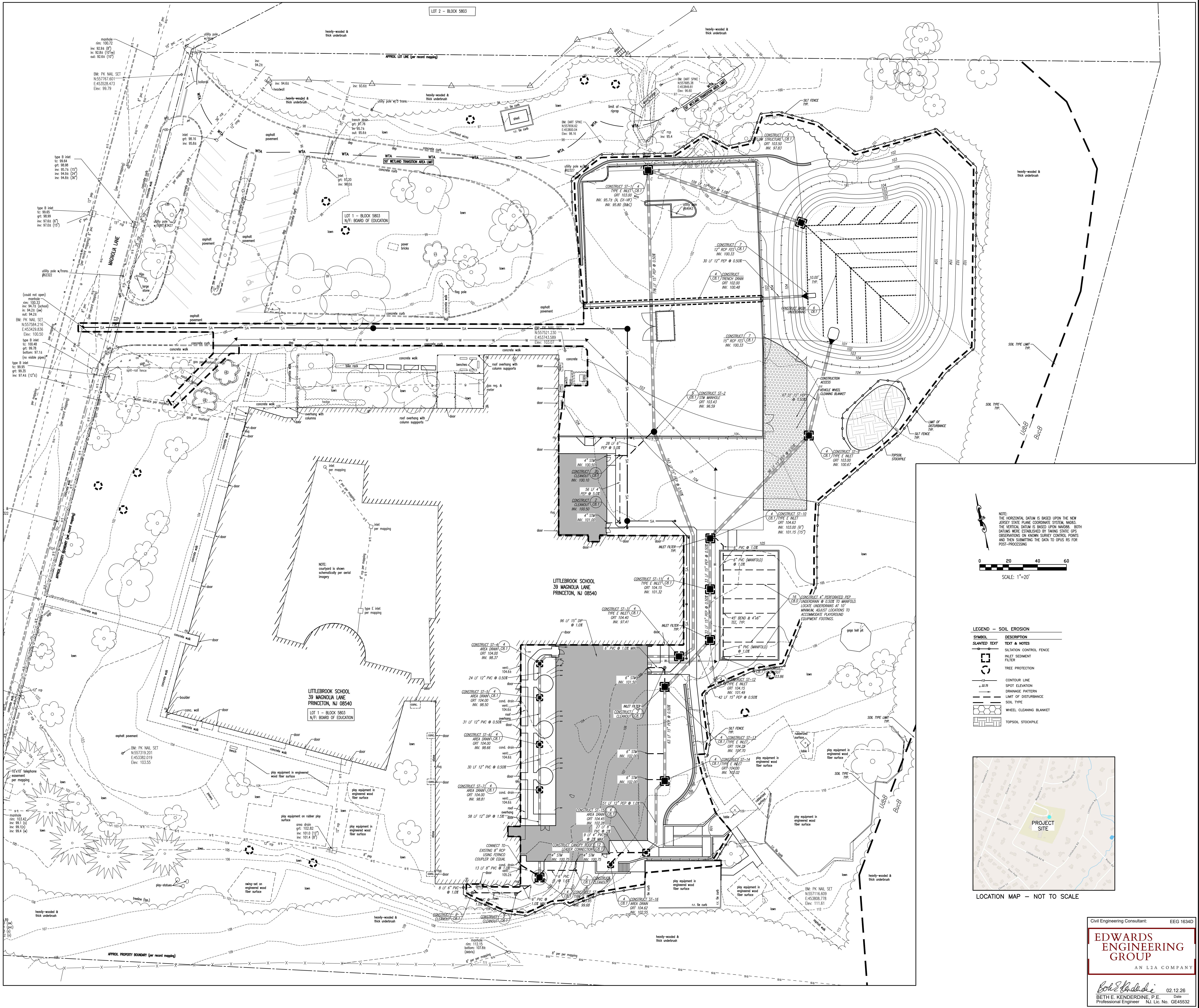
Scale

Drawing Name
LANDSCAPING
PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-6.0



NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST-PROCESSING

0 20 40 60

SCALE: 1"=20'

LEGEND – SOIL EROSION

SYMBOL	DESCRIPTION
SLANTED TEXT	TEXT & NOTES
—□——□—	SILTATION CONTROL FENCE
⌜ ⌟	INLET SEDIMENT FILTER
◌	TREE PROTECTION
—15—	CONTOUR LINE
+ 22.75	SPOT ELEVATION
→	DRAINAGE PATTERN
— — —	LIMIT OF DISTURBANCE
—— ——	SOIL TYPE
⬡	WHEEL CLEANING BLANKET
▤	TOPSOIL STOCKPILE

LOCATION MAP – NOT TO SCALE

Civil Engineering Consultant: EEG 1634D

EDWARDS
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AN L2A COMPANY

Beth E Kenderdine 02.12.26
BETH E. KENDERDINE, P.E. Date
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WDH

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Scale

Drawing Name
SOIL EROSION & SEDIMENT CONTROL PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
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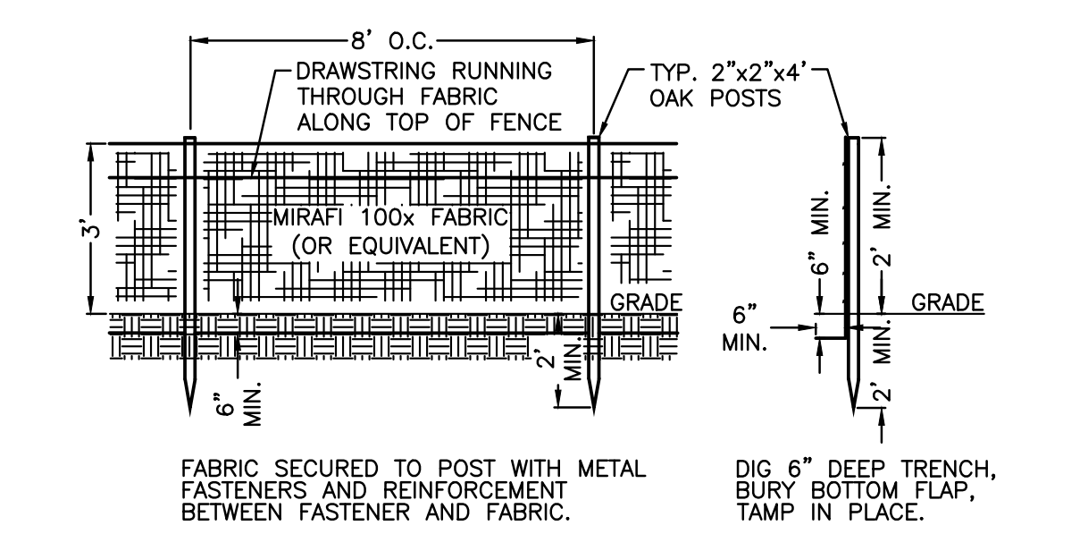
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-7.0

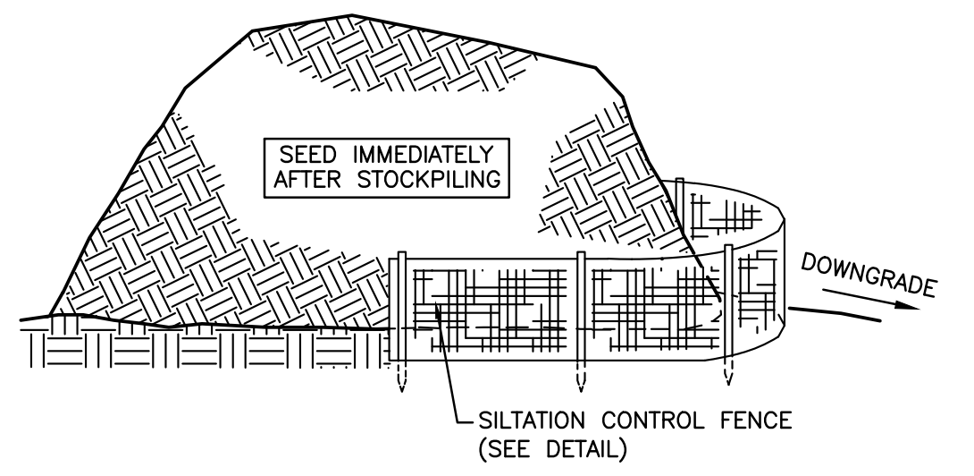


8' O.C.
DRAWSTRING RUNNING THROUGH FABRIC ALONG TOP OF FENCE
TYP. 2"x2"x4' OAK POSTS
MIRAFI 100x FABRIC (OR EQUIVALENT)
GRADE
6" MIN.
2' MIN.
FABRIC SECURED TO POST WITH METAL FASTENERS AND REINFORCEMENT BETWEEN FASTENER AND FABRIC.
DIG 6" DEEP TRENCH, BURY BOTTOM FLAP, TAMP IN PLACE.

NOTES:
1. ALL SILT FENCE WILL BE INSPECTED AND REMEDIAL MAINTENANCE PERFORMED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH RAIN.
2. SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF THE BARRIER WHEN IT HAS REACHED A DEPTH OF 1/2 THE BARRIER HEIGHT
3. REPAIR OR REPLACE BARRIER WHEN DAMAGED
4. BARRIERS SHALL BE INSPECTED DAILY FOR SIGNS OF DETERIORATION AND SEDIMENT REMOVAL

TEMPORARY SILTATION CONTROL FENCE

NOT TO SCALE



SEED IMMEDIATELY AFTER STOCKPILING
DOWNGRADE
SILTATION CONTROL FENCE (SEE DETAIL)

TYPICAL TOPSOIL STOCKPILE

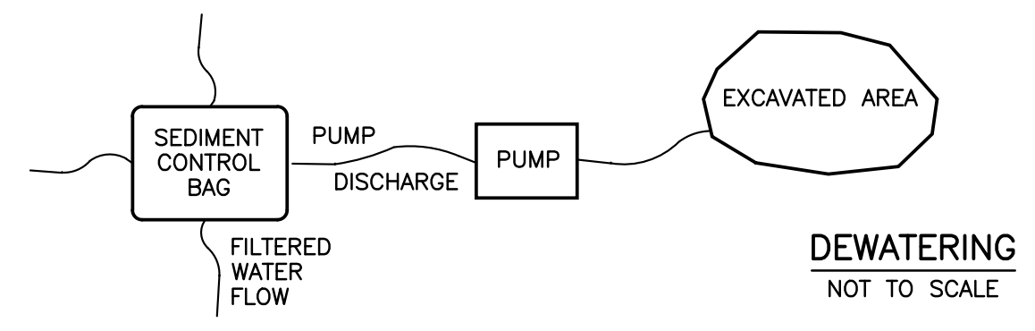
NOT TO SCALE

CONTRACTOR IS ADVISED THAT DE-WATERING PROCEDURES ARE REQUIRED DURING CONSTRUCTION PRACTICES. ALL DE-WATERING PROCEDURES MUST INCLUDE A METHOD OF REMOVING SEDIMENT PRIOR TO DISCHARGING. SEDIMENT REMOVAL METHODS SHALL FOLLOW STANDARDS FOR SOIL EROSION & SEDIMENT CONTROL IN NEW JERSEY, SECTION 14.

TEMPORARY FILTERS (SMALL IMPOUNDMENTS)

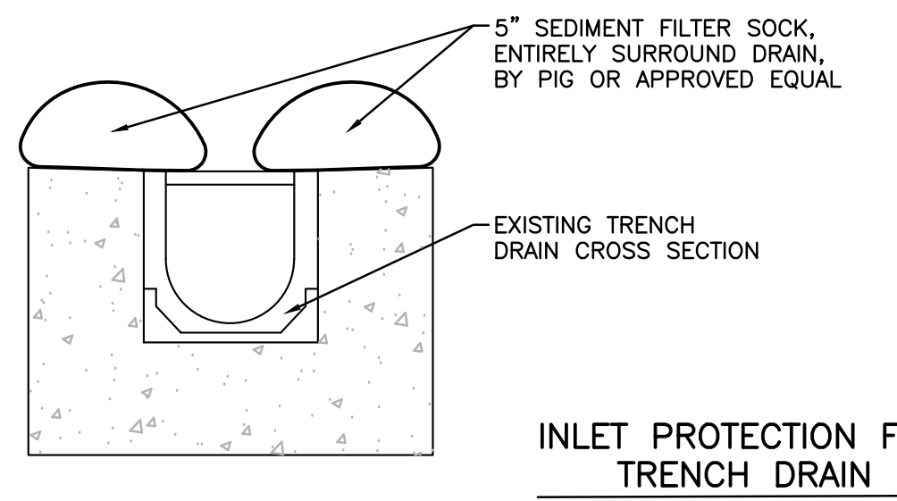
FOR SMALL QUANTITIES OF PONDED WATER SUCH AS MAY BE FOUND IN SHALLOW EXCAVATIONS (SMALL TRENCHES, MANHOLE INSTALLATIONS, ETC.) A SEDIMENT FILTER MAY BE CONSTRUCTED USING COMBINATIONS OF HAY BALES, SMALL CLEAN STONE AND FILTER FABRIC. THIS METHOD IS LIMITED TO SMALL QUANTITIES OF TRAPPED SURFACE WATER AND WHERE SEDIMENTS ARE NOT HIGHLY COLLOIDAL IN NATURE.

SEDIMENT CONTROL BAG
1. BAGS SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUC-TION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
2. SEDIMENT CONTROL BAGS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. BAGS MAY NOT BE REUSED.



DEWATERING

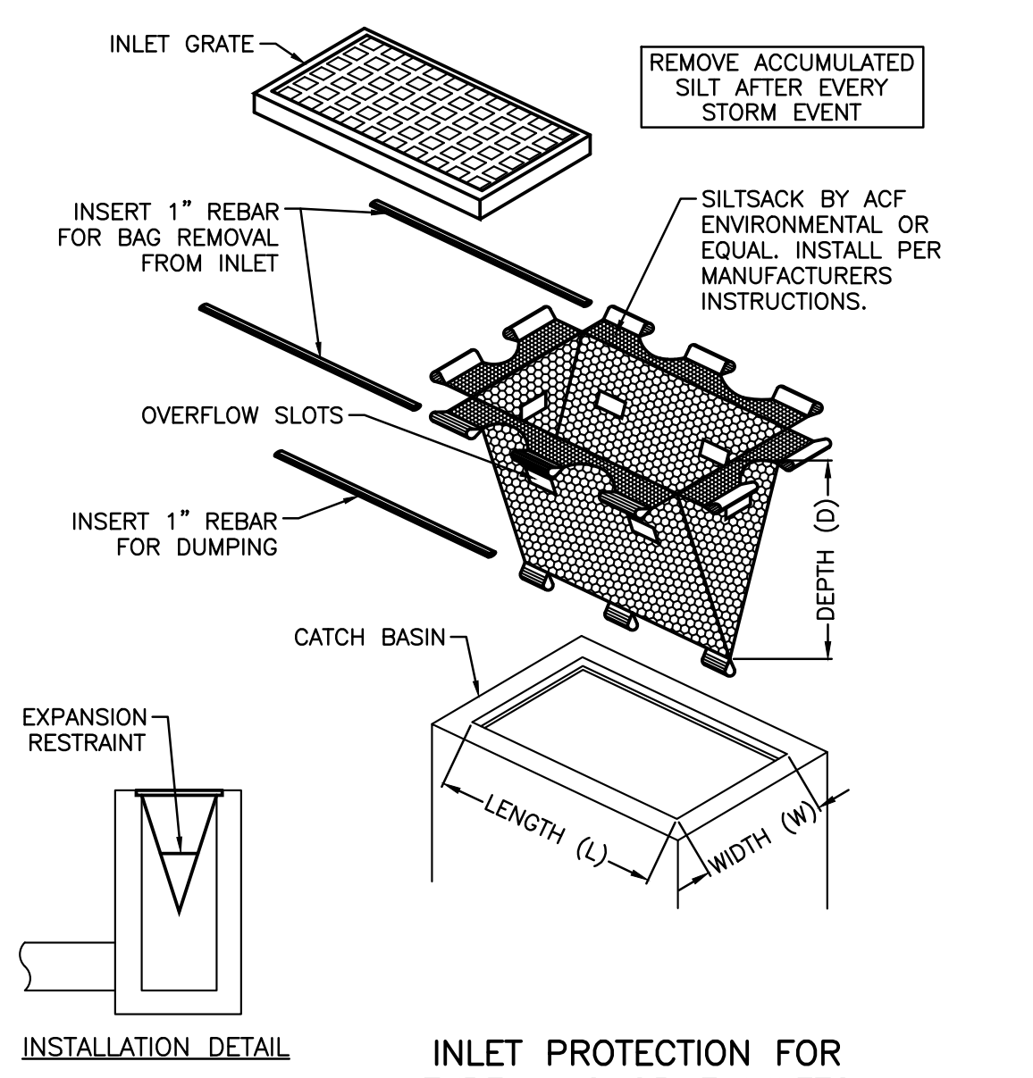
NOT TO SCALE



5" SEDIMENT FILTER SOCK, ENTIRELY SURROUND DRAIN, BY PIG OR APPROVED EQUAL
EXISTING TRENCH DRAIN CROSS SECTION

INLET PROTECTION FOR TRENCH DRAIN

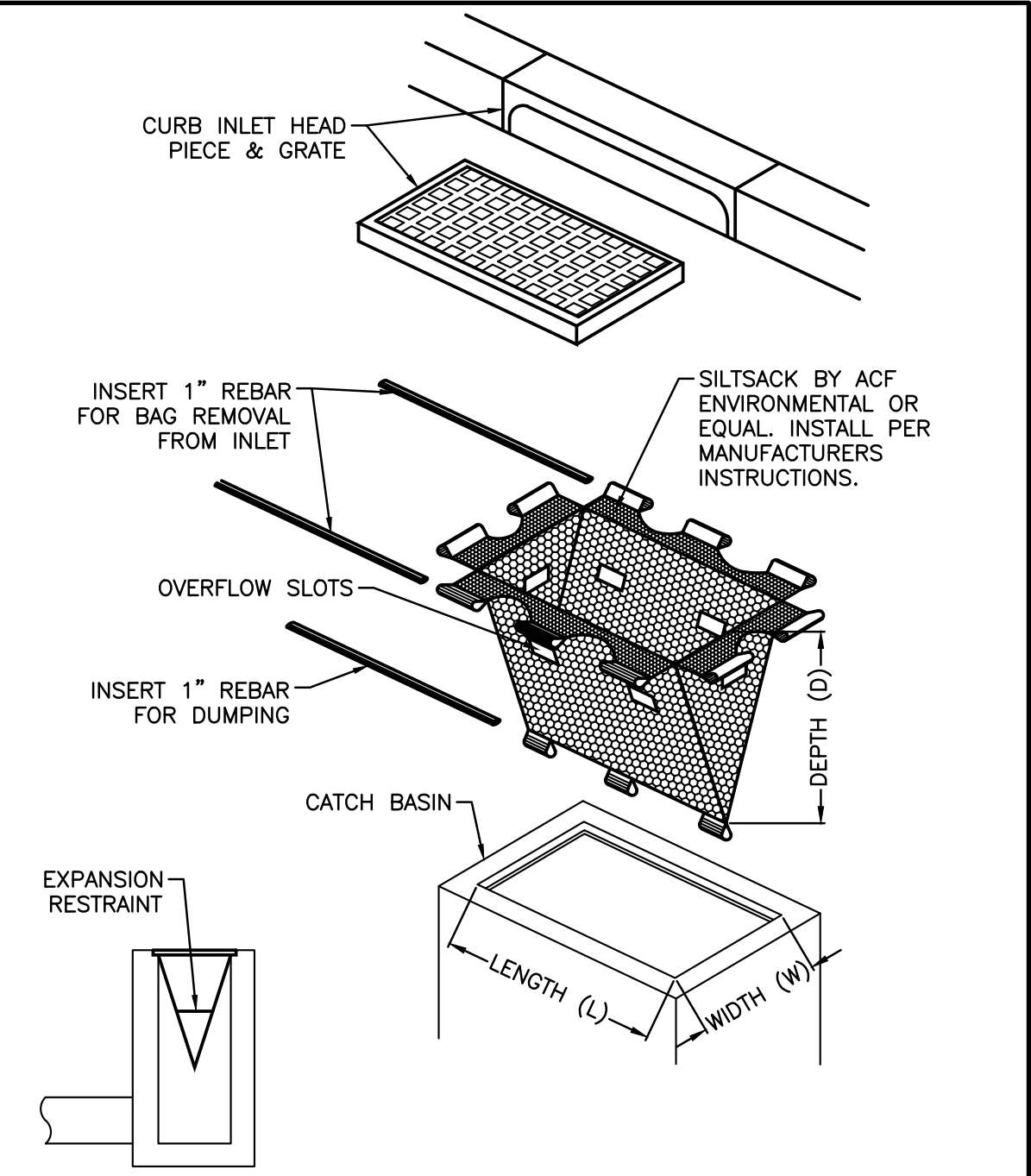
NOT TO SCALE



INLET GRATE
REMOVE ACCUMULATED SILT AFTER EVERY STORM EVENT
INSERT 1" REBAR FOR BAG REMOVAL FROM INLET
SILTSACK BY ACF ENVIRONMENTAL OR EQUAL. INSTALL PER MANUFACTURERS INSTRUCTIONS.
OVERFLOW SLOTS
INSERT 1" REBAR FOR DUMPING
DEPTH (D)
CATCH BASIN
EXPANSION RESTRAINT
LENGTH (L)
WIDTH (W)
INSTALLATION DETAIL

INLET PROTECTION FOR TYPE A, C OR E INLETS

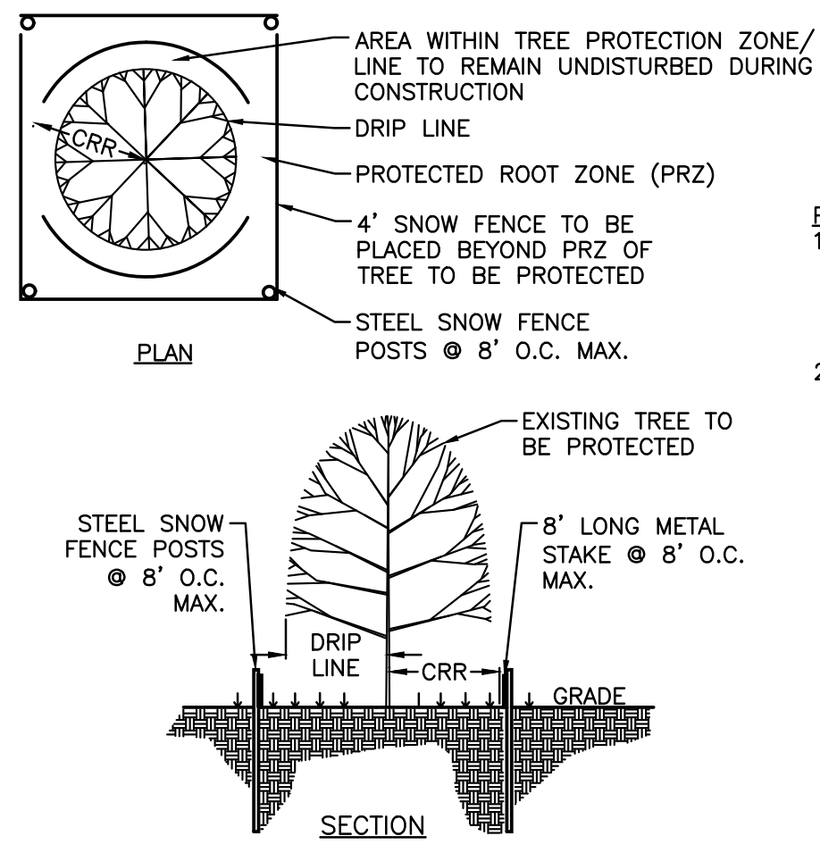
NOT TO SCALE



CURB INLET HEAD PIECE & GRATE
INSERT 1" REBAR FOR BAG REMOVAL FROM INLET
SILTSACK BY ACF ENVIRONMENTAL OR EQUAL. INSTALL PER MANUFACTURERS INSTRUCTIONS.
OVERFLOW SLOTS
INSERT 1" REBAR FOR DUMPING
DEPTH (D)
CATCH BASIN
EXPANSION RESTRAINT
LENGTH (L)
WIDTH (W)

INLET PROTECTION FOR TYPE B INLETS

NOT TO SCALE



AREA WITHIN TREE PROTECTION ZONE/ DRIP LINE TO REMAIN UNDISTURBED DURING CONSTRUCTION
DRIP LINE
PROTECTED ROOT ZONE (PRZ)
4' SNOW FENCE TO BE PLACED BEYOND PRZ OF TREE TO BE PROTECTED
STEEL SNOW FENCE POSTS @ 8' O.C. MAX.
PLAN
EXISTING TREE TO BE PROTECTED
STEEL SNOW FENCE POSTS @ 8' O.C. MAX.
8' LONG METAL STAKE @ 8' O.C. MAX.
DRIP LINE
CRR
GRADE
SECTION

PROTECTED ROOT ZONE:
1. MEASURE THE DIAMETER OF THE TREE 4.5 FEET ABOVE GROUND ON THE UPHILL SIDE OF THE TREE (DBH), IN INCHES.
2. CALCULATE THE CRITICAL ROOT RADIUS (CRR): MULTIPLY THE MEASURED DBH BY 1.0 OR 1.5. EXPRESS THE RESULT IN FEET.

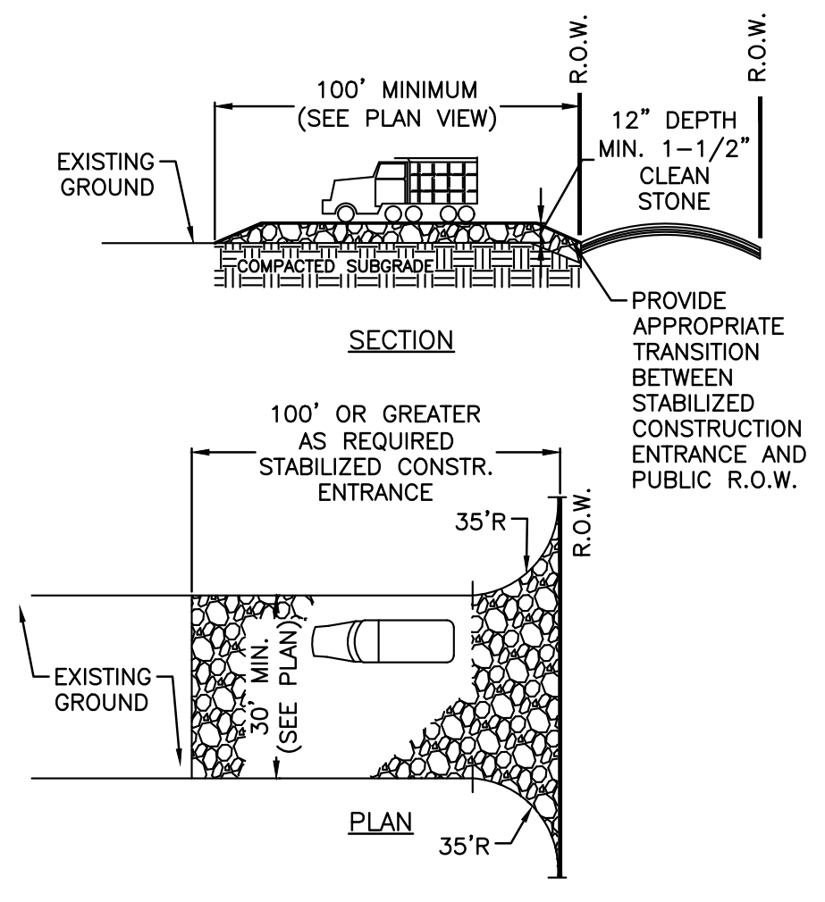
DBH x 1.0: CRR FOR YOUNGER, HEALTHY, OR TOLERANT SPECIES

DBH x 1.5: CRR FOR OLDER, UNHEALTHY, OR SENSITIVE SPECIES

NOTES:
1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION. THE CONTRACTOR SHALL TAKE WHATEVER ADDITIONAL MEASURES NECESSARY TO PROTECT EXISTING TREES TO REMAIN AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF MATERIALS OR EXCAVATED MATERIAL WITHIN PRZ, EXCESS FOOT OR VEHICLE TRAFFIC OR PARKING OF VEHICLES WITHIN PRZ.
2. BOARDS WILL NOT BE NAILED TO TREES DURING BUILDING OPERATIONS.
3. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA INSIDE THE PRZ.
4. DAMAGED TRUNKS OR EXPOSED ROOTS SHOULD HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHOULD BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY A PROFESSIONAL FORESTER OR LICENSED TREE EXPERT.
5. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE AS NATURAL TARGET PRUNING TO REMOVE THE DESIRED BRANCH AS CLOSE AS POSSIBLE TO THE BRANCH COLLAR. THERE SHOULD BE NO FLUSH CUTS. NO TREE PAINT SHALL BE APPLIED. ALL CUTS SHALL BE MADE AT THE OUTSIDE EDGE OF THE BRANCH COLLAR.

EXISTING TREE PROTECTION

NOT TO SCALE

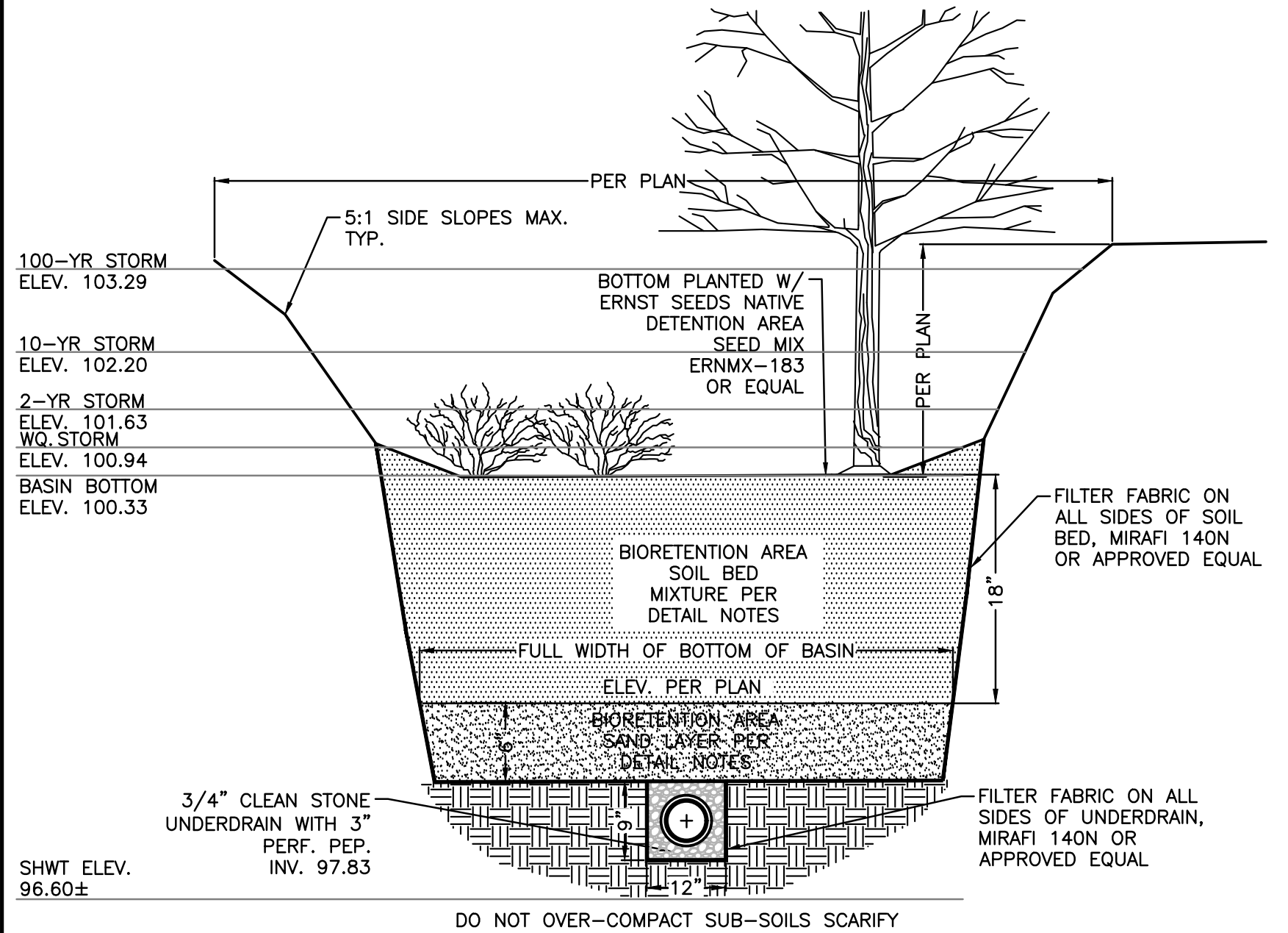


100' MINIMUM (SEE PLAN VIEW)
R.O.W.
R.O.W.
12" DEPTH MIN. 1-1/2" CLEAN STONE
EXISTING GROUND
COMPACTED SUBGRADE
SECTION
PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC R.O.W.
100' OR GREATER AS REQUIRED
STABILIZED CONSTR. ENTRANCE
35'R
35'R
EXISTING GROUND
PLAN

MAINTENANCE NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
2. WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

VEHICLE WHEEL-CLEANING BLANKET

NOT TO SCALE



PER PLAN
5:1 SIDE SLOPES MAX. TYP.
100-YR STORM ELEV. 103.29
10-YR STORM ELEV. 102.20
2-YR STORM ELEV. 101.63
WQ STORM ELEV. 100.94
BASIN BOTTOM ELEV. 100.33
BOTTOM PLANTED W/ ERNST SEEDS NATIVE DETENTION AREA SEED MIX ERNMX-183 OR EQUAL
PER PLAN
BIORETENTION AREA SOIL BED MIXTURE PER DETAIL NOTES
FULL WIDTH OF BOTTOM OF BASIN
ELEV. PER PLAN
BIORETENTION AREA SAND LAYER PER DETAIL NOTES
18"
6"
FILTER FABRIC ON ALL SIDES OF SOIL BED, MIRAFI 140N OR APPROVED EQUAL
3/4" CLEAN STONE UNDERDRAIN WITH 3" PERF. PEP. INV. 97.83
SHWT ELEV. 96.60±
9"
12"
FILTER FABRIC ON ALL SIDES OF UNDERDRAIN, MIRAFI 140N OR APPROVED EQUAL

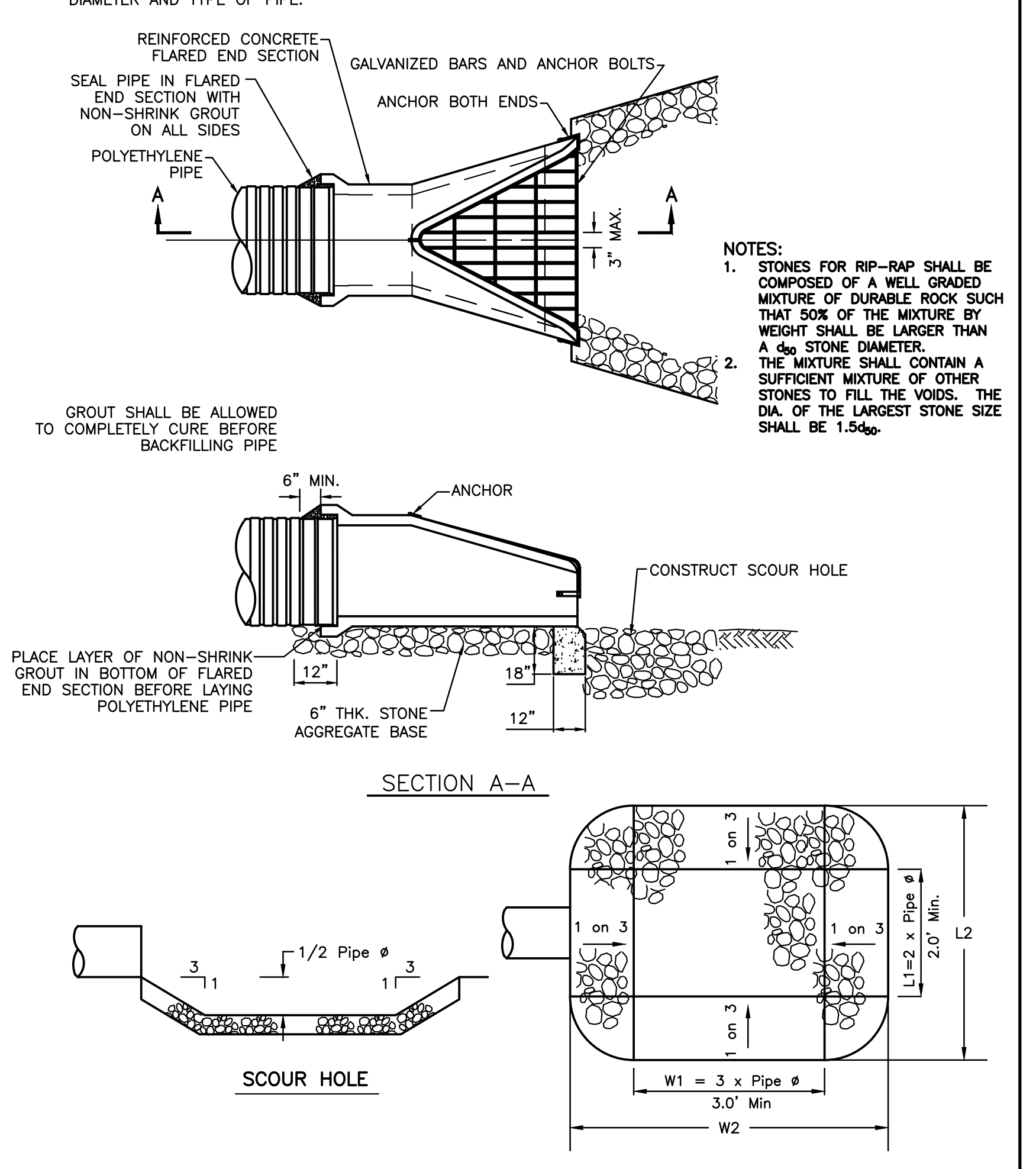
DO NOT OVER-COMPACT SUB-SOILS SCARIFY SUB-SOILS PRIOR TO PLACEMENT OF SOIL BED

NOTES:
1. THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
2. PRE-MIXED SOIL MUST BE CERTIFIED TO BE CONSISTENT WITH THE REQUIREMENT ABOVE BY EITHER THE VENDOR OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY. THE CONTENT OF ANY SOIL MIXED ON-SITE MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY; IN ADDITION, THE ENGINEER MUST BE PRESENT WHILE THE SOIL IS MIXED.
3. THE PH OF THE SOIL BED MATERIAL MUST RANGE FROM 5.5 TO 6.5.
4. THE SOIL BED MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES. ADDITIONAL MATERIALS MAY BE NECESSARY TO ACCOUNT FOR SETTLING OVER TIME.
5. THE SAND LAYER, WHICH ACTS AS A TRANSITION BETWEEN THE SOIL BED AND THE SUBSEQUENT LAYERS, MUST BE AT LEAST 6 INCHES IN DEPTH AND MUST CONSIST OF CLEAN, MEDIUM-AGGREGATE CONCRETE SAND (AASHTO M-6/ASTM C-33). TO ENSURE PROPER SYSTEM OPERATION, THE PERMEABILITY RATE OF THE SAND LAYER MUST BE AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SOIL BED.

BIORETENTION AREA SECTION

NOT TO SCALE

NOTES:
1. SIZE AND DIMENSIONS OF FLARED-END SECTION VARIES WITH DIAMETER AND TYPE OF PIPE.



REINFORCED CONCRETE FLARED END SECTION
GALVANIZED BARS AND ANCHOR BOLTS
SEAL PIPE IN FLARED END SECTION WITH NON-SHRINK GROUT ON ALL SIDES
ANCHOR BOTH ENDS
POLYETHYLENE PIPE
A
A
3" MAX.
GROUT SHALL BE ALLOWED TO COMPLETELY CURE BEFORE BACKFILLING PIPE
6" MIN.
ANCHOR
CONSTRUCT SCOUR HOLE
PLACE LAYER OF NON-SHRINK GROUT IN BOTTOM OF FLARED END SECTION BEFORE LAYING POLYETHYLENE PIPE
12"
18"
6" THK. STONE AGGREGATE BASE
12"
SECTION A-A
1/2 Pipe ø
3
1
1
3
SCOUR HOLE
1 on 3
1 on 3
1 on 3
L1=2 x Pipe ø
2.0' Min.
L2
W1 = 3 x Pipe ø
3.0' Min
W2

NOTES:
1. STONES FOR RIP-RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF DURABLE ROCK SUCH THAT 50% OF THE MIXTURE BY WEIGHT SHALL BE LARGER THAN A d_{50} STONE DIAMETER.
2. THE MIXTURE SHALL CONTAIN A SUFFICIENT MIXTURE OF OTHER STONES TO FILL THE VOIDS. THE DIA. OF THE LARGEST STONE SIZE SHALL BE $1.5d_{50}$.

CONCRETE FLARED END SECTION W/ SCOUR HOLE

NOT TO SCALE

SCOUR HOLE	D	W1	W2	L1	L2	d50	THK
15" FES	0.75'	3.75'	8.25'	2.5'	7.0'	4"	12"
12" FES	0.50'	3.0'	6.0'	2.0'	5.0'	7"	21"

TOPSOILING NOTES
1. MATERIALS
   A. TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER. MORE THAN 0.5 MILLIMHOS MAY DESICCATE SEEDLINGS AND ADVERSELY IMPACT GROWTH). IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.
   B. TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
2. STRIPPING & STOCKPILING
   A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
   B. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
   C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL pH TO APPROXIMATELY 6.5.
   D. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
   E. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
   F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT OR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.
3. SITE PREPARATION
   A. GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE.
   B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE IF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE.
   C. SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT. LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A pH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
   D. PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING.
   E. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.
4. APPLYING TOPSOIL
   A. HANDLE TOPSOIL ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE.
   B. APPLY A UNIFORM AVERAGE DEPTH OF 5 INCHES, MINIMUM 4 INCHES, FIRMED IN PLACE. HIGH ACID PRODUCING SOILS: SOILS HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION.
   C. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION.

STABILIZATION SPECIFICATIONS
1. SEEDBED PREPARATION: UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS, SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY).
2. WORK FERTILIZER AND LIME AND LIME INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
3. TEMPORARY SEEDING AND MULCHING
   LIME – AS RECOMMENDED BY SOIL TESTING.
   FERTILIZER – 500 LBS PER ACRE OF 10-20-10 OR EQUAL, WITH 50% WATER INSOLUBLE NITROGEN, UNLESS SOIL TESTING INDICATES OTHERWISE.
   SEED – SPRING OATS AT 86 LBS PER ACRE (2 LBS PER 1,000 SQ.FT.)
   PLANTING DATES: FEBRUARY 15 THRU MAY 1
   AUGUST 15 THRU OCTOBER 15
   MULCH – SALT HAY OR SMALL GRAIN STRAW AT 70-90 LBS PER 1,000 SQ.FT.
   BINDER – LIQUID SYNTHETIC OR ORGANIC SUCH AS CURASOL DCA 70, PETRO SET, OR TERRA TACK AT RATES ESTABLISHED BY THE MANUFACTURER TO BIND THE MULCH BLANKET.
4. PERMANENT SEEDING – LAWN AREAS
   ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE
   LIME – AS RECOMMENDED BY SOIL TESTING.
   FERTILIZER – 500 LBS PER ACRE 10-10-10 OR EQUAL, WITH 50% WATER INSOLUBLE NITROGEN, UNLESS SOIL TESTING INDICATES OTHERWISE.
   SEED – HARD FESCUE AND/OR CHEWING FESCUE AND/OR STRONG CREEPING RED FESCUE AT 175 LBS/ACRE
   PERENNIAL RYEGRASS AT 45 LBS/ACRE
   KENTUCKY BLUEGRASS (BLEND) AT 45 LBS/ACRE
   PLANTING DATES: FEBRUARY 1 THRU APRIL 30
   AUGUST 15 THRU OCTOBER 30 (OPTIMUM).
   MULCH – SALT HAY OR SMALL GRAIN STRAW AT 70-90 LBS PER 1,000 SQ.FT.
   BINDER – LIQUID SYNTHETIC OR ORGANIC SUCH AS CURASOL DCA 70, PETRO SET, OR TERRA TACK AT RATES ESTABLISHED BY THE MANUFACTURER TO BIND THE MULCH BLANKET.
5. STABILIZATION WITH MULCH ONLY
   MULCH – UNROTTED SMALL-GRAIN STRAW, OR SALT HAY AT 2.0 TO 2.5 TONS PER ACRE, SPREAD UNIFORMLY AT 90 TO 115 LBS PER 1.000 SQUARE FEET, ANCHORED WITH LIQUID MULCH BINDERS.
   BINDER – LIQUID SYNTHETIC OR ORGANIC SUCH AS CURASOL DCA 70, PETRO SET, OR TERRA TACK AT RATES ESTABLISHED BY THE MANUFACTURER TO BIND THE MULCH BLANKET. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKD. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.

IMMEDIATELY PRIOR TO SEEDING, SURFACE SHALL BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. (ONLY APPLICABLE WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES.) HIGH ACID PRODUCING SOILS: SOILS HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. THE OWNER IS RESPONSIBLE FOR LONG-TERM MAINTENANCE OF PERMANENT EROSION & SEDIMENT CONTROL MEASURES.

DUST CONTROL NOTES:

ANY OF THE FOLLOWING METHODS SHALL BE USED FOR DUST CONTROL:
1. MULCHES: SEE STABILIZATION SPECIFICATIONS.
2. TILLAGE: TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED APPROXIMATELY 12" APART AND SPRING-TOOTHED HARROWS ARE EXMAPLED OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
3. SPRINKLING: THE SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET.
4. BARRIERS: BALES OF HAY AND/OR SILT STOP FENCES CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

SOIL EROSION & SEDIMENT CONTROL NOTES:
1. SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE LAND DISTURBANCE OR ANY DEMOLITION WORK THAT WILL CAUSE EXCAVATION INTO THE SUBGRADE SOILS.

RESTORATION NOTES:
1. VEGETATED AREAS ADJACENT TO CONSTRUCTION SHALL BE RESTORED AS LAWN AND ADDITIONAL SCREENED TOPSOIL SHALL BE CONSTRUCTED AS NEEDED TO MEET NEW SURFACES FLUSH. FINISH THE TOPSOIL WITH A SURFACE GRADE OF AT LEAST 1.5 PERCENT WHENEVER POSSIBLE, TO MAINTAIN POSITIVE OVERLAND DRAINAGE.
2. RE-GRADE AREAS ALONGSIDE NEW PAVEMENT, CURBING, AND SIDEWALKS TO MEET SURFACES FLUSH. IN NO CASE SHALL TOPSOIL BE MORE THAN 1/2 INCH BELOW THE ADJACENT PAVEMENT SURFACE.

SOIL RESTORATION, DE-COMPACTION, AND TESTING REQUIREMENTS:

THE PROJECT SITE IS LOCATED WITHIN A METROPOLITAN PLANNING AREA ACCORDING TO THE STATE PLAN POLICY MAP. THE EXISTING SITE IS NOT COVERED IN WOODY VEGETATION, THEREFORE THIS SITE IS EXCLUDED FROM SOIL RESTORATION REMEDIATION REQUIREMENTS.

SOIL COMPACTION MITIGATION NOTES:
1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
3. SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE [6" MINIMUM DEPTH] OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

AREA OF DISTURBANCE: 1.79 AC

SOIL TYPES:
UdbB: UDORTHENTS, BEDROCK SUBSTRATUM, 0 TO 8 PERCENT SLOPES
BucB: BUCKS SILT LOAM, 2 TO 6 PERCENT SLOPES

SEQUENCE OF CONSTRUCTION

TIME (WEEKS)	WORK DESCRIPTION
1	INSTALL PERIMETER SEDIMENT BARRIER (SILT FENCE), STABILIZED CONSTRUCTION ENTRANCE AND SOIL EROSION MEASURES INCLUDING TREE PROTECTION WHERE SHOWN ON THE PLAN.
6	PERFORM DEMOLITION OPERATIONS.
1	STRIP AND STOCKPILE TOPSOIL WITHIN LIMIT OF DISTURBANCE.
4	PERFORM EARTHWORK OPERATIONS.
2	CONSTRUCT AND PERMANENTLY STABILIZE BIORETENTION BASIN.
2	CONSTRUCT STORM SEWER SYSTEM
24	CONSTRUCT BUILDING; CONNECT UTILITIES
6	CONSTRUCT NEW PAVEMENT, CURBS AND WALKWAYS.
4	CONSTRUCT BALANCE OF SITE WORK.
2	RESTORE LAWN AREAS PER SEEDING SPECIFICATIONS. TILL SUBSOILS 6" MIN PRIOR TO PLACING 5" TOPSOIL.
1	WHEN SITE IS COMPLETELY AND PERMANENTLY STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
CONTINUOUS	MAINTENANCE OF ALL SOIL EROSION CONTROL MEASURES. TRACKING PADS SHALL BE TOP-DRESSED AS NEEDED TO PROVIDE A STABLE CONSTRUCTION ENTRANCE AND PROHIBIT TRACKING OF SILT AND SEDIMENT ONTO PUBLIC ROADWAYS. SILT FENCE SHALL BE CLEANED AND MAINTAINED IN AN UPRIGHT POSITION. INLET PROTECTION SHALL BE CLEANED AND MAINTAINED REGULARLY TO PROHIBIT DOWNSTREAM SILTATION WHILE MAINTAINING POSITIVE DRAINAGE.

THE ACTIVITIES LISTED ABOVE MAY OVERLAP. THE ESTIMATED CONSTRUCTION TIME FOR THIS PROJECT IS 6 MONTHS.

THE ABOVE SEQUENCE IS INTENDED FOR GUIDANCE PURPOSES ONLY, IN ORDER TO MINIMIZE DISTURBANCE AND EXPOSURE OF SITE SOILS. REFER TO MANDATORY CONSTRUCTION MILESTONES LISTED IN THE PROJECT MANUAL FOR SPECIFIC PHASING.

MERCER COUNTY SOIL EROSION AND SEDIMENT CONTROL NOTES
1. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING LAND DISTURBANCE ACTIVITY. NOTICE MAY BE MAILED, FAXED OR EMAILED TO:
   MCSCD, 590 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690
   PHONE: 609-586-9603
   FAX: 609-586-1117
   EMAIL: PAULS1MERCER@AOL.COM, LINDA1MERCER@AOL.COM
2. IF APPLICABLE TO THIS PROJECT, THE OWNER SHOULD BE AWARE OF HIS OR HER OBLIGATION TO FILE FOR A NJPDES CONSTRUCTION ACTIVITY STORMWATER 5G3 PERMIT (5G3-NJ0088323) VIA THE NJDEP ONLINE PERMITTING SYSTEM (WWW.NJ.GOV/DEP/ONLINE) AND TO MAINTAIN THE ASSOCIATED BEST MANAGEMENT PRACTICES AND STORMWATER POLLUTION PREVENTION PLAN SELF-INSPECTION LOGBOOK ONSITE AT ALL TIMES. THIS PERMIT MUST BE FILED PRIOR TO THE START OF SOIL DISTURBANCE. THE ONLINE APPLICATION PROCESS WILL REQUIRE ENTRY OF AN SCD CERTIFICATION CODE, WHICH IS PROVIDED BY THE SOIL CONSERVATION DISTRICT UPON CERTIFICATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
3. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
4. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INCLUDING AN INCREASE IN THE LIMIT OF DISTURBANCE, WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
5. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
6. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AS OUTLINED WITHIN THE SEQUENCE OF CONSTRUCTION ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NJ. IF LANGUAGE CONTAINED WITHIN ANY OTHER PERMIT FOR THIS PROJECT IS MORE RESTRICTIVE THAN (BUT NOT CONTRADICTORY TO) WHAT IS CONTAINED WITHIN THESE NOTES OR ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, THEN THE MORE RESTRICTIVE PERMIT REQUIREMENTS SHALL BE FOLLOWED.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A 1½" TO 2½" CLEAN STONE TRACKING PAD AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE, WHETHER IDENTIFIED ON THE CERTIFIED PLAN OR NOT. THE WIDTH SHALL SPAN THE FULL WIDTH OF EGRESS, AND LENGTH SHALL BE 50 FT. OR MORE, DEPENDING ON SITE CONDITIONS AND AS REQUIRED BY THE STANDARD. THIS SHALL INCLUDE INDIVIDUAL LOT ACCESS POINTS WITHIN RESIDENTIAL SUBDIVISIONS. IF THE EGRESS IS TO A COUNTY ROAD, THEN A 20 FT. LONG PAVED TRANSITION SHALL BE PROVIDED BETWEEN THE EDGE OF PAVEMENT AND THE STONE ACCESS PAD.
9. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING, PROVIDED THAT ALL OTHER REQUIREMENTS RELATED TO DETENTION BASINS, SWALES, AND THE SEQUENCE OF CONSTRUCTION HAVE BEEN MET.
10. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION ACTIVITY WILL IMMEDIATELY RECEIVE TEMPORARY STABILIZATION. IF THE SEASON PREVENTS ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER, OR IF THE AREA IS NOT TOPSOILED, THEN THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS. SLOPED AREAS IN EXCESS OF 3H:1V SHALL BE PROVIDED WITH EROSION CONTROL BLANKETS. CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES, ROADWAY EMBANKMENTS, ENVIRONMENTALLY SENSITIVE AREAS) WILL RECEIVE TEMPORARY STABILIZATION IMMEDIATELY AFTER INITIAL DISTURBANCE OR ROUGH GRADING
11. ANY STEEP SLOPES (I.E. SLOPES GREATER THAN 3H:1V) RECEIVING PIPELINE OR UTILITY INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS.
12. PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING AND TOPSOILING. ALL AGRONOMIC REQUIREMENTS CONTAINED WITHIN THE STANDARDS AND ON THE CERTIFIED PLAN SHALL BE EMPLOYED. MULCH WITH BINDER, IN ACCORDANCE WITH THE STANDARDS, SHALL BE USED ON ALL SEEDED AREAS. SAVE ALL TAGS AND/OR BAGS USED FOR SEED, LIME, AND FERTILIZER, AND PROVIDE THEM TO THE DISTRICT INSPECTOR TO VERIFY THAT MIXTURES AND RATES MEET THE STANDARDS.
13. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, THEN NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
14. DURING THE COURSE OF CONSTRUCTION, SOIL COMPACTION MAY OCCUR WITHIN HAUL ROUTES, STAGING AREAS AND OTHER PROJECT AREAS. IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING, COMPACTED SURFACES SHOULD BE SCARIFIED 6" TO 12" IMMEDIATELY PRIOR TO TOPSOIL APPLICATION. THIS WILL HELP ENSURE A GOOD BOND BETWEEN THE TOPSOIL AND SUBSOIL. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).
15. PRIOR TO SEEDING, TOPSOIL SHALL BE WORKED TO PREPARE A PROPER SEEDBED. THIS SHALL INCLUDE RAKING OF THE TOPSOIL AND REMOVAL OF DEBRIS AND STONES, ALONG WITH OTHER REQUIREMENTS OF THE STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION.
16. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE BURIED WITH LIMESTONE IN ACCORDANCE WITH THE STANDARD AND BE COVERED WITH A MINIMUM OF 12" OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO TOPSOIL APPLICATION AND SEEDBED PREPARATION. IF THE AREA IS TO RECEIVE TREE OR SHRUB PLANTINGS, OR IS LOCATED ON A SLOPE, THEN THE AREA SHALL BE COVERED WITH A MINIMUM OF 24" OF SOIL HAVING A PH OF 5 OR MORE.
17. MULCHING TO THE STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONAL ROC'S ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING. PERMANENT STABILIZATION MUST THEN BE COMPLETED DURING THE OPTIMUM SEEDING SEASON IMMEDIATELY FOLLOWING THE CONDITIONAL ROC, OR THE COMPLETION OF WORK IN A GIVEN AREA.
18. HYDROSEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED-TO-SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF THE SEEDING OPERATION, HYDROMULCH SHOULD BE APPLIED AT A MINIMUM RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARDS. THE USE OF HYDROMULCH ON SLOPED AREAS IS DISCOURAGED.
19. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF THE CONSTRUCTION PROJECT. ALL SEDIMENT WASHED, DROPPED, TRACKED OR SPILLED ONTO PAVED SURFACES SHALL BE IMMEDIATELY REMOVED.
20. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION, AND FOR EMPLOYING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE MERCER COUNTY SOIL CONSERVATION DISTRICT.
21. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
22. ALL DETENTION / RETENTION BASINS MUST BE FULLY CONSTRUCTED (INCLUSIVE OF ALL STRUCTURAL COMPONENTS AND LINERS) AND PERMANENTLY STABILIZED PRIOR TO PAVING OR PRIOR TO THE ADDITION OF ANY IMPERVIOUS SURFACES. PERMANENT STABILIZATION INCLUDES, BUT MAY NOT BE LIMITED TO: TOPSOIL, SEED, STRAW MULCH AND BINDERS OR EROSION CONTROL BLANKETS ON ALL SEEDING, ALL AGRONOMIC REQUIREMENTS AS SPECIFIED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INSTALLATION OF THE OUTFLOW CONTROL STRUCTURES AND DISCHARGE STORM DRAINAGE PIPING, LOW FLOW CHANNELS, CONDUIT OUTLET PROTECTION, EMERGENCY SPILLWAYS, AND LAP RING PROTECTION.
23. THE RIDING SURFACE OF ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE 3/4" CLEAN STONE OR BASE PAVEMENT UNTIL SUCH TIME AS FINAL PAVEMENT HAS BEEN INSTALLED. TEMPORARY SOIL RIDING SURFACES ARE PROHIBITED.
24. ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATIONS, ETC.) MUST BE DONE THROUGH AN INLET OR OUTLET FILTER IN ACCORDANCE WITH THE STANDARD FOR DEWATERING OR AS DEPICTED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. DISCHARGE LOCATIONS FOR THE DEWATERING OPERATION MUST CONTAIN PERENNIAL VEGETATION OR SIMILAR STABLE SURFACE.
25. ALL SWALES OR CHANNELS THAT WILL RECEIVE RUNOFF FROM PAVED SURFACES MUST BE PERMANENTLY STABILIZED PRIOR TO THE INSTALLATION OF PAVEMENT. IF THE SEASON PROHIBITS THE ESTABLISHMENT OF PERMANENT STABILIZATION, THE SWALES OR CHANNELS MAY BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE STANDARDS.
26. NJSA 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED BY THE MUNICIPALITY BEFORE THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN SATISFIED. THEREFORE, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS MUST BE COMPLETED BEFORE THE DISTRICT ISSUES A REPORT OF COMPLIANCE OR CONDITIONAL REPORT OF COMPLIANCE, WHICH MUST BE FORWARDED TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY, RESPECTIVELY.

Civil Engineering Consultant: EEG 1634D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

02.12.26
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532

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Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
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Project Date
10.10.2025

Checked By
WDH

Drawn By

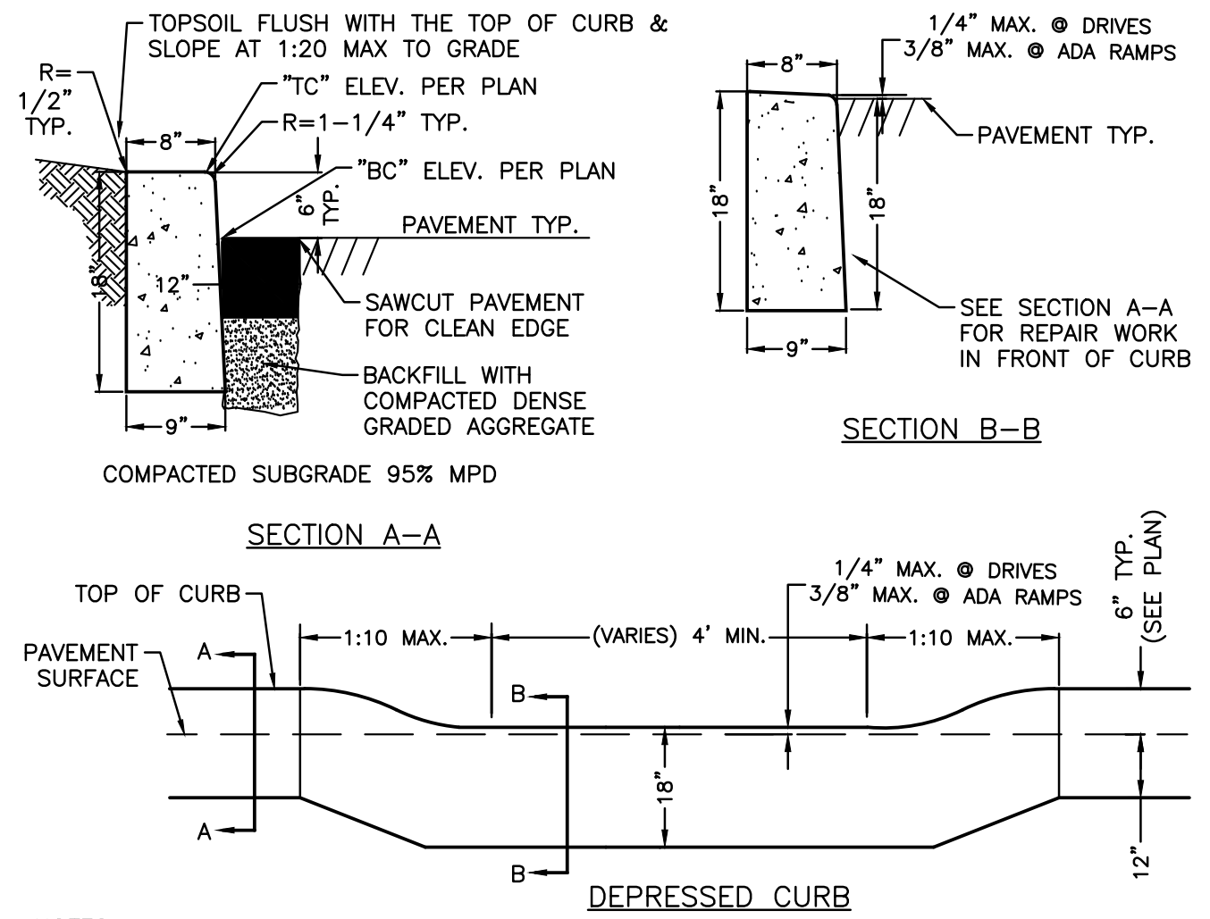
Scale

Drawing Name
SOIL EROSION & SEDIMENT CONTROL DETAILS

Revisions

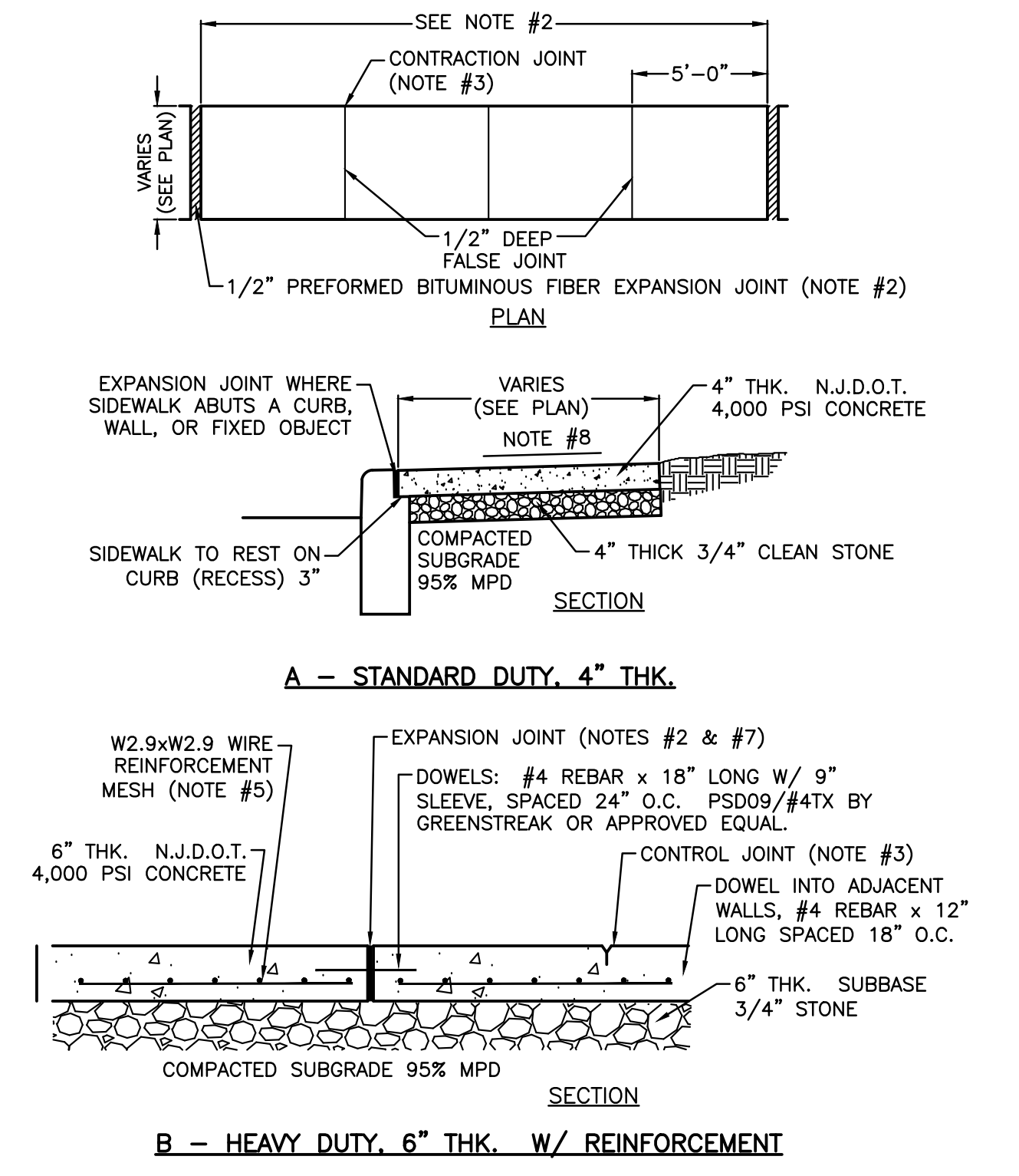
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-7.1



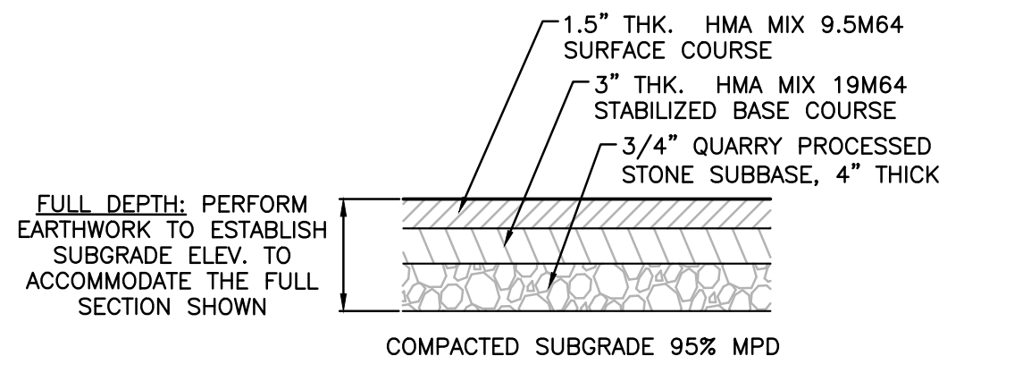
NOTES:
1. CONCRETE TO BE N.J.DOT. 4000 PSI, AIR-ENTRAINED
2. CURB FACE (REVEAL) TO BE 6 INCHES OR PER SPOT ELEVATIONS ON THE GRADING PLAN.
3. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK @ 20 FT. MAX. INTERVAL.
4. ALL DEPRESSED CURBS AT ADA RAMPS MUST BE FLUSH (MAX 3/8" LIP). PAINT CURB @ ADA RAMPS BLUE. (SEE NOTE #5 FOR BASIS OF DESIGN PAINT PRODUCT – COLOR BLUE)
5. PAINT CURB YELLOW TO DESIGNATE NO PARKING ZONES. ALL NEW CURBING THAT IS REPLACING EXISTING CURB THAT WAS PAINTED YELLOW TO DELINEATE "NO PARKING AREAS" MUST ALSO BE PAINTED YELLOW "IN-KIND." BASIS OF DESIGN PRODUCT IS RUSTOLEUM SYSTEM 2300 TRAFFIC MARKING PAINT OR APPROVED EQUAL.

1 CONCRETE CURB
NOT TO SCALE


SEE NOTE #2
CONTRACTION JOINT (NOTE #3)
5'-0"
VARIES (SEE PLAN)
1/2" DEEP FALSE JOINT
1/2" PREFORMED BITUMINOUS FIBER EXPANSION JOINT (NOTE #2)
PLAN
EXPANSION JOINT WHERE SIDEWALK ABUTS A CURB, WALL, OR FIXED OBJECT
VARIES (SEE PLAN)
NOTE #8
4" THK. N.J.D.O.T. 4,000 PSI CONCRETE
SIDEWALK TO REST ON CURB (RECESS) 3"
COMPACTED SUBGRADE 95% MPD
4" THICK 3/4" CLEAN STONE
SECTION
A – STANDARD DUTY, 4" THK.
W2.9xW2.9 WIRE REINFORCEMENT MESH (NOTE #5)
6" THK. N.J.D.O.T. 4,000 PSI CONCRETE
EXPANSION JOINT (NOTES #2 & #7)
DOWELS: #4 REBAR x 18" LONG W/ 9" SLEEVE, SPACED 24" O.C. PSD09/#4TX BY GREENSTREAK OR APPROVED EQUAL.
CONTROL JOINT (NOTE #3)
DOWEL INTO ADJACENT WALLS, #4 REBAR x 12" LONG SPACED 18" O.C.
6" THK. SUBBASE 3/4" STONE
COMPACTED SUBGRADE 95% MPD
SECTION
B – HEAVY DUTY, 6" THK. W/ REINFORCEMENT

NOTES:
1. PORTLAND CEMENT CONCRETE TO BE NJ DOT, 4,000 PSI, AIR ENTRAINED
2. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK ALONG ALL BUILDING WALLS AND OTHER RIGID SURFACES. THE MAXIMUM SPACING OF EXPANSION JOINTS SHALL BE AS FOLLOWS:
   4" THICK SLAB: 16 FT.
   6" THICK SLAB: 24 FT.
3. CONTROL JOINTS SHALL BE TOOLED TO A DEPTH = 25% OF THE SLAB THICKNESS. CONTROL JOINTS MAY BE SAWCUT WITH AN EARLY ENTRY DRY CUT SAW. SAWCUT LINES SHALL CLEAN AND UNCHIPPED. THE MAXIMUM SPACING SHALL BE AS FOLLOWS:
   4" THICK SLAB: 8 FT.
   6" THICK SLAB: 12 FT.
4. PROVIDE A SLIP RESISTANT FINISH FOR ALL BARRIER FREE ACCESSIBLE ROUTES.
5. STEEL REINFORCEMENT, WHEN SPECIFIED, SHALL BE EPOXY COATED AND PLACED AT THE BOTTOM 1/3 OF SLAB DEPTH.
   6" THICK SLAB: 2 INCHES
6. ALL CONSTRUCTION SHALL BE ON COMPACTED SUBGRADE PER SPECIFICATIONS.
7. ALL JOINTS SHALL BE SEALED WITH EXTERIOR GRADE CONCRETE JOINT SEALER, SUCH AS "CONTRACTORS CONCRETE SEALANT" BY DOW CORNING. SUBSTITUTIONS ARE PERMITTED PROVIDED THAT EQUIVALENCE IS DEMONSTRATED AND COLOR MATCHES ARE COMPARABLE. ALL JOINT SEALANT SHALL BE INSTALLED IN A PROFESSIONAL AND "WORKMANLIKE" MANNER, TRUE TO LINE AND SHALL NOT WAVER NOTICEABLY ALONG JOINTS.
8. MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2%. SEE GRADING PLAN FOR SLOPES IN PLAZAS AND ALL PAVEMENT AREAS.
9. MAX. RUNNING SLOPE ALONG ANY SIDEWALK OR PLAZA IS 5 PERCENT.
10. CONCRETE SHALL BE DOWELED TO ADJACENT BUILDING FOUNDATION USING #4 GRADE 60 REBARS, MIN. 12" LONG. USE SPEED DOWEL BY GREENSTREAK, OR EQUAL PLACED AT 18" O.C. PROVIDE EXPANSION SLEEVE FOR EACH DOWEL.

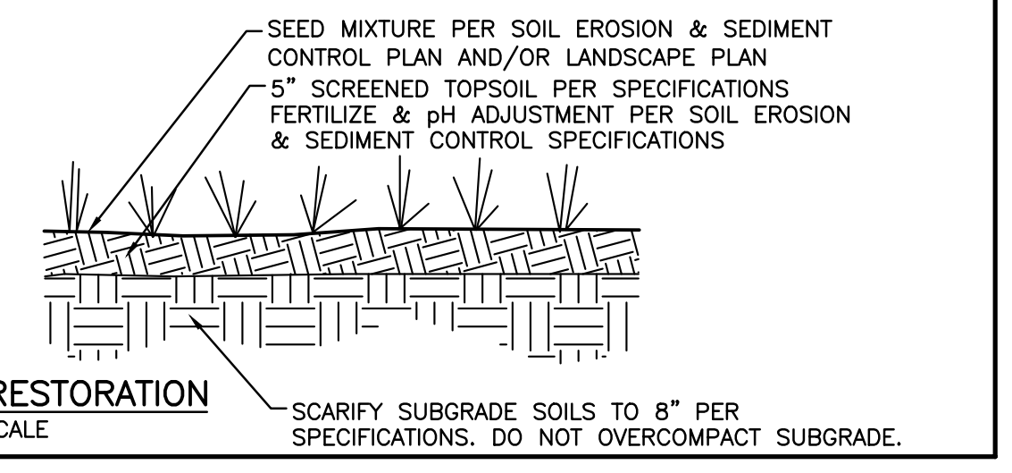
2 CONCRETE PAVEMENT
NOT TO SCALE


1.5" THK. HMA MIX 9.5M64 SURFACE COURSE
3" THK. HMA MIX 19M64 STABILIZED BASE COURSE
3/4" QUARRY PROCESSED STONE SUBBASE, 4" THICK
FULL DEPTH: PERFORM EARTHWORK TO ESTABLISH SUBGRADE ELEV. TO ACCOMMODATE THE FULL SECTION SHOWN
COMPACTED SUBGRADE 95% MPD

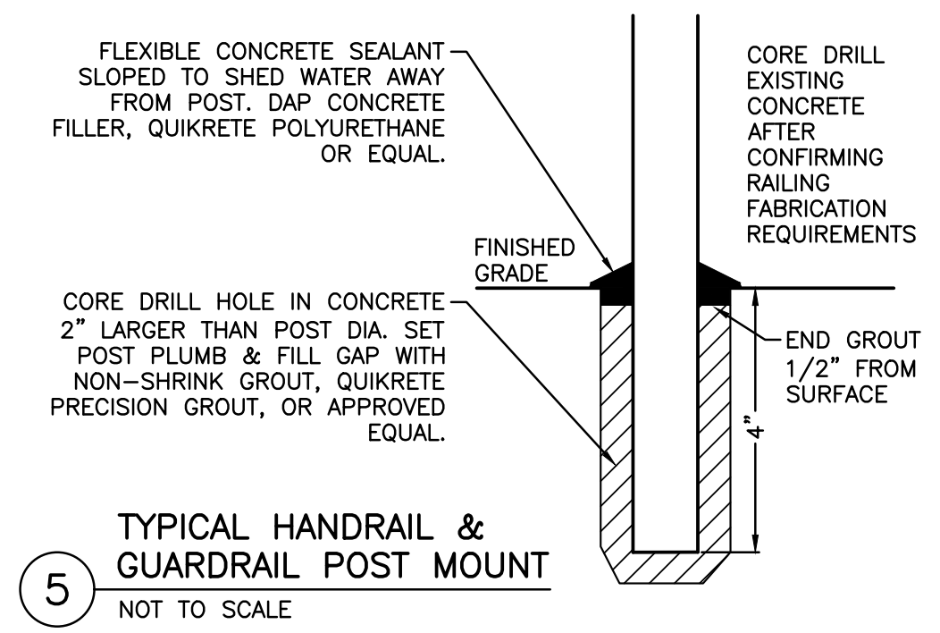
STANDARD DUTY PAVEMENT

NOTES:
1. ALL BITUMINOUS PAVEMENT SHALL BE HOT MIX ASPHALT, PER NJ DOT SPECIFICATIONS.
2. IN ALL AREAS WHERE FULL DEPTH PAVEMENT & SUBBASE CONSTRUCTION IS PROPOSED, DEMOLISH EXISTING SURFACES AND EXCAVATE TO REQUIRED SUBGRADE ELEVATIONS BASED UPON GRADES SHOWN ON THE GRADING PLAN.
3. DISPOSE OF ALL WASTE MATERIALS AND EXCESS SOILS IN A LEGAL MANNER OFF SITE.
4. PROVIDE A TACK COAT BETWEEN PAVEMENT COURSES.

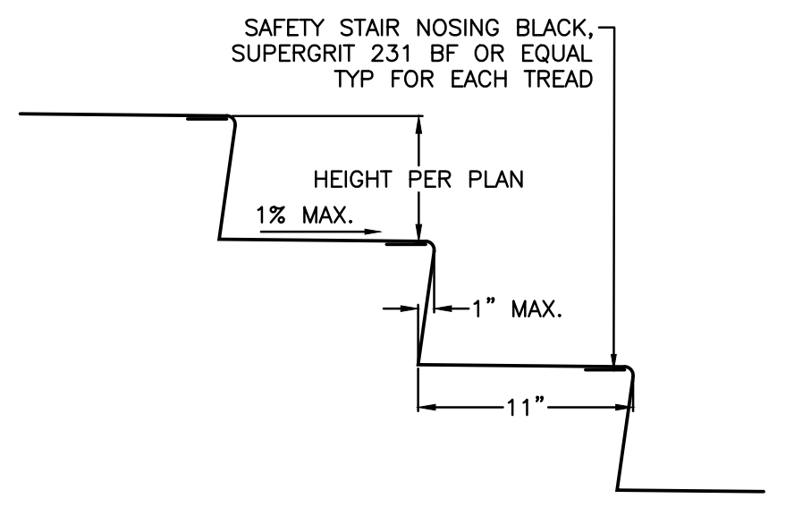
3 BITUMINOUS PAVEMENT (HOT MIX ASPHALT)
NOT TO SCALE


SEED MIXTURE PER SOIL EROSION & SEDIMENT CONTROL PLAN AND/OR LANDSCAPE PLAN
5" SCREENED TOPSOIL PER SPECIFICATIONS FERTILIZE & pH ADJUSTMENT PER SOIL EROSION & SEDIMENT CONTROL SPECIFICATIONS
SCARIFY SUBGRADE SOILS TO 8" PER SPECIFICATIONS. DO NOT OVERCOMPACT SUBGRADE.

4 LAWN RESTORATION
NOT TO SCALE

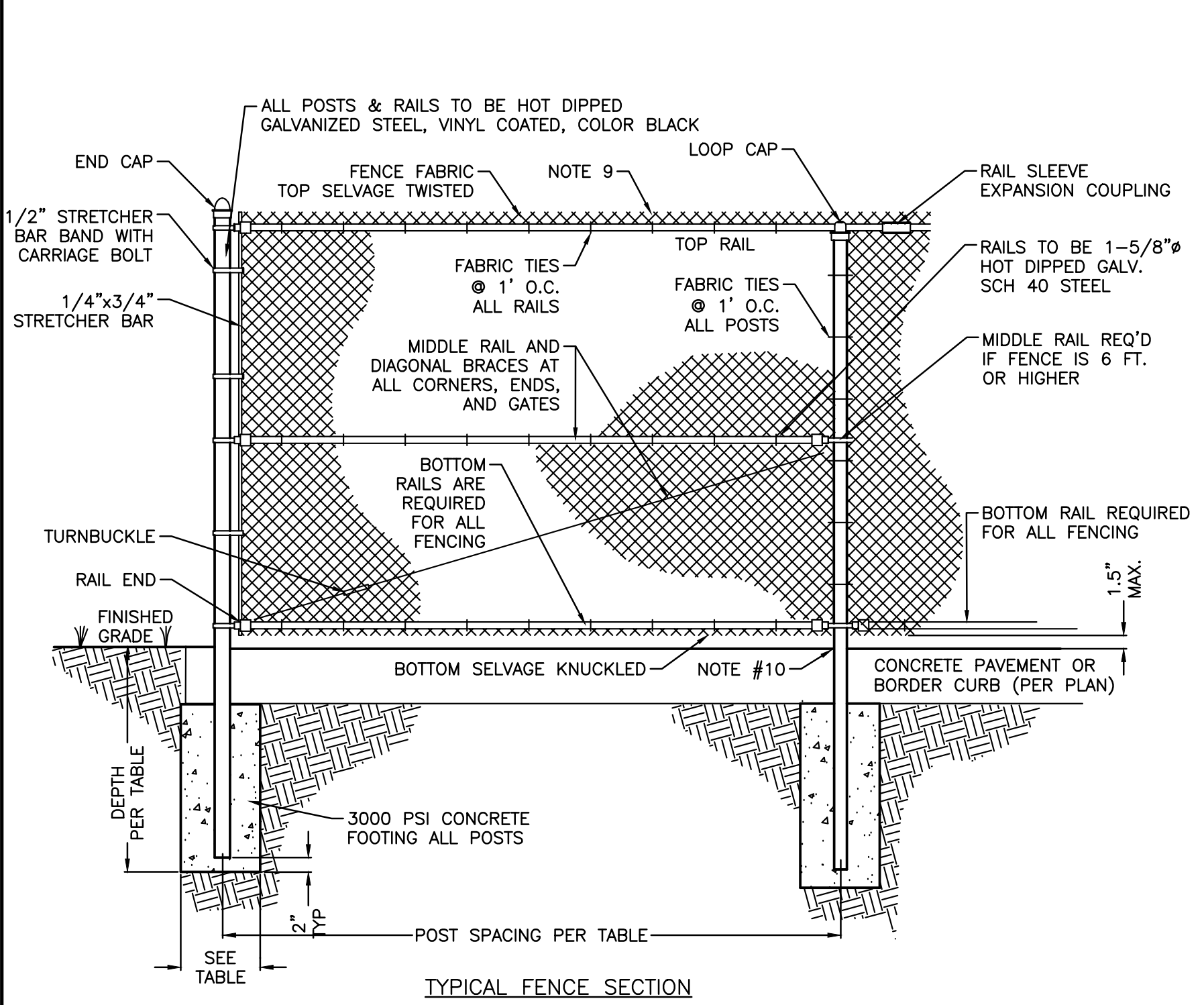

FLEXIBLE CONCRETE SEALANT SLOPED TO SHED WATER AWAY FROM POST. DAP CONCRETE FILLER, QUIKRETE POLYURETHANE OR EQUAL.
CORE DRILL EXISTING CONCRETE AFTER CONFIRMING RAILING FABRICATION REQUIREMENTS
FINISHED GRADE
CORE DRILL HOLE IN CONCRETE 2" LARGER THAN POST DIA. SET POST PLUMB & FILL GAP WITH NON-SHRINK GROUT, QUIKRETE PRECISION GROUT, OR APPROVED EQUAL.
END GROUT 1/2" FROM SURFACE
4"

5 TYPICAL HANDRAIL & GUARDRAIL POST MOUNT
NOT TO SCALE


SAFETY STAIR NOSING BLACK, SUPERGRIT 231 BF OR EQUAL TYP FOR EACH TREAD
HEIGHT PER PLAN
1% MAX.
1" MAX.
11"

TREAD/RISER NOTES:
1.) THE GREATEST RISER HEIGHT WITHIN A FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".
2.) THE GREATEST TREAD DEPTH WITHIN A SET OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".
3.) MINIMUM TREAD DEPTH = 11"
MINIMUM RISER HEIGHT = 4"
MAXIMUM RISER HEIGHT = 7"
4.) APPLY A UNIFORM COATING OF CLEAR URETHANE TO ALL SURFACES OF THE STAIR NOSING THAT WILL CONTACT THE CONCRETE STAIR. ALLOW TO SET.
5.) MAXIMUM SLOPE OF TREAD = 1% TOWARD NOSE.
MAXIMUM CROSS SLOPE OF STAIRS = 2%

6 TYPICAL STAIR TREADS & RISERS
NOT TO SCALE


ALL POSTS & RAILS TO BE HOT DIPPED GALVANIZED STEEL, VINYL COATED, COLOR BLACK
END CAP
FENCE FABRIC
TOP SELVAGE TWISTED
NOTE 9
LOOP CAP
RAIL SLEEVE EXPANSION COUPLING
TOP RAIL
1/2" STRETCHER BAR BAND WITH CARRIAGE BOLT
1/4"x3/4" STRETCHER BAR
FABRIC TIES @ 1' O.C. ALL RAILS
FABRIC TIES @ 1' O.C. ALL POSTS
RAILS TO BE 1-5/8"ø HOT DIPPED GALV. SCH 40 STEEL
MIDDLE RAIL AND DIAGONAL BRACES AT ALL CORNERS, ENDS, AND GATES
MIDDLE RAIL REQ'D IF FENCE IS 6 FT. OR HIGHER
BOTTOM RAILS ARE REQUIRED FOR ALL FENCING
BOTTOM RAIL REQUIRED FOR ALL FENCING
TURNBUCKLE
RAIL END
FINISHED GRADE
BOTTOM SELVAGE KNUCKLED
NOTE #10
CONCRETE PAVEMENT OR BORDER CURB (PER PLAN)
1.5" MAX.
DEPTH PER TABLE
3000 PSI CONCRETE FOOTING ALL POSTS
POST SPACING PER TABLE
SEE TABLE

TYPICAL FENCE SECTION

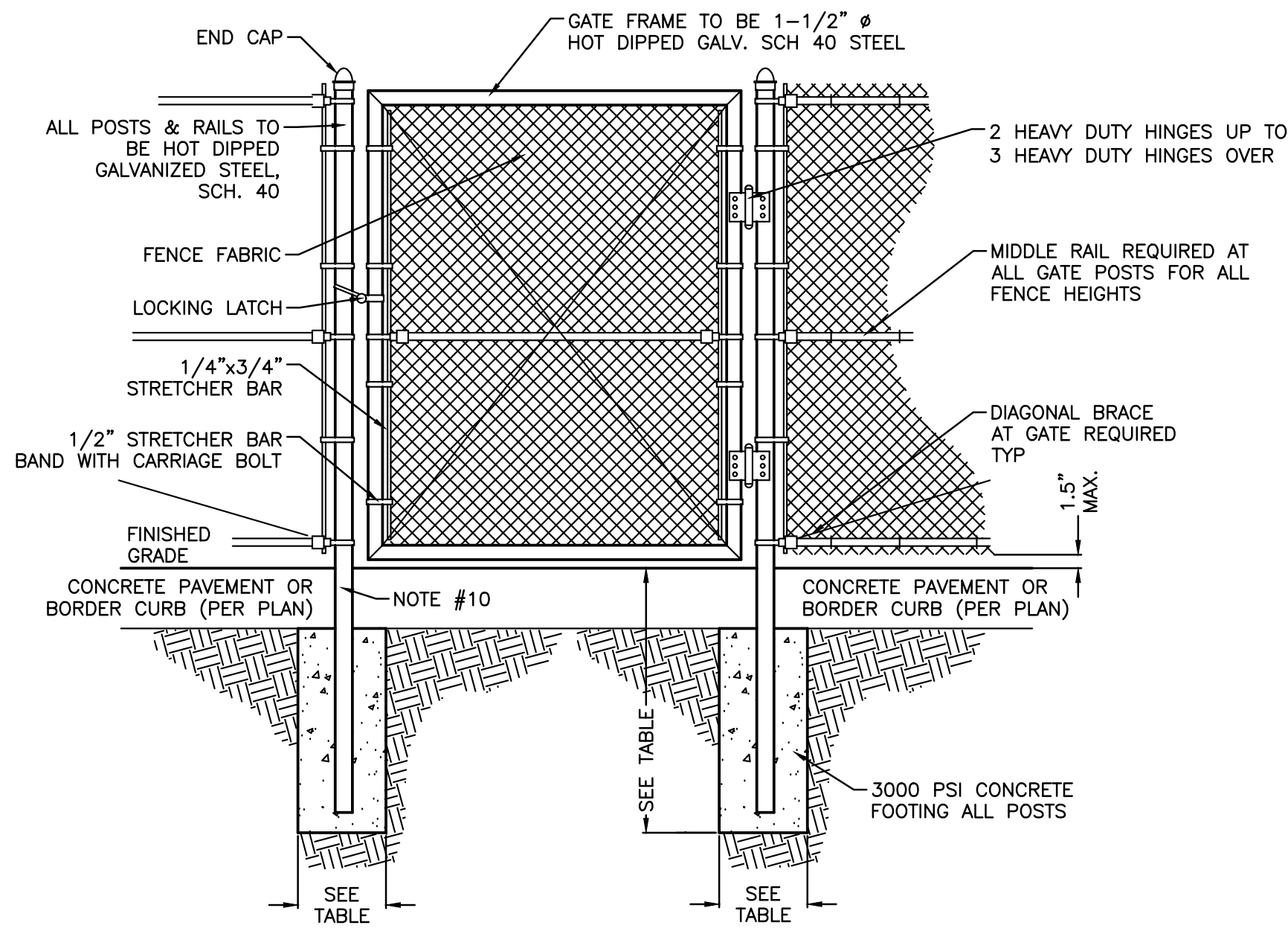
GENERAL NOTES
1. FENCE FABRIC (MESH) TO BLACK, VINYL COATED NO. 9 GALVANIZED STEEL WIRE. FABRIC TO FACE PLAYING FIELD. MESH OPENING SIZE IS 1.75".
2. POST SIZES, STRENGTH, AND SPACING TO BE PER TABLE.
3. ALL FENCE POSTS SHALL BE GALVANIZED STEEL, VINYL COATED, COLOR BLACK. MATERIAL STRENGTH PER TABLE.
4. FENCE OVER 5' HIGH: MIDDLE RAIL IS REQUIRED ON ALL SECTIONS.
5. ALL FENCING & GATES SHALL HAVE BOTTOM RAILS.
6. GATE WIDTHS SHOWN ON THE PLAN ARE CLEAR OPENINGS. ALL GATES SHALL HAVE LOCKING HARDWARE.
7. ALL DOUBLE GATES SHALL HAVE A CANE BOLT STOP WITH MALLEABLE STEEL CENTER STOP (MUSHROOM), BY SIGNET FENCE OR APPROVED EQUAL.
8. THE MAXIMUM GAP BETWEEN THE GROUND AND BOTTOM OF FENCE IS ONE AND ONE HALF (1.5) INCHES.
9. SEE DETAIL #6 FOR SAFETY RAIL CAP TO BE INSTALLED ON 4 FT. HIGH FENCING ALONG THE PERIMETER.
10. PLAN THE LOCATION OF FENCE POSTS TO AVOID UNDERGROUND UTILITIES AND CONDUITS.
11. GATE HEIGHTS SHALL MATCH THE FENCE THEY ADJOIN.

FENCE POST TABLE:

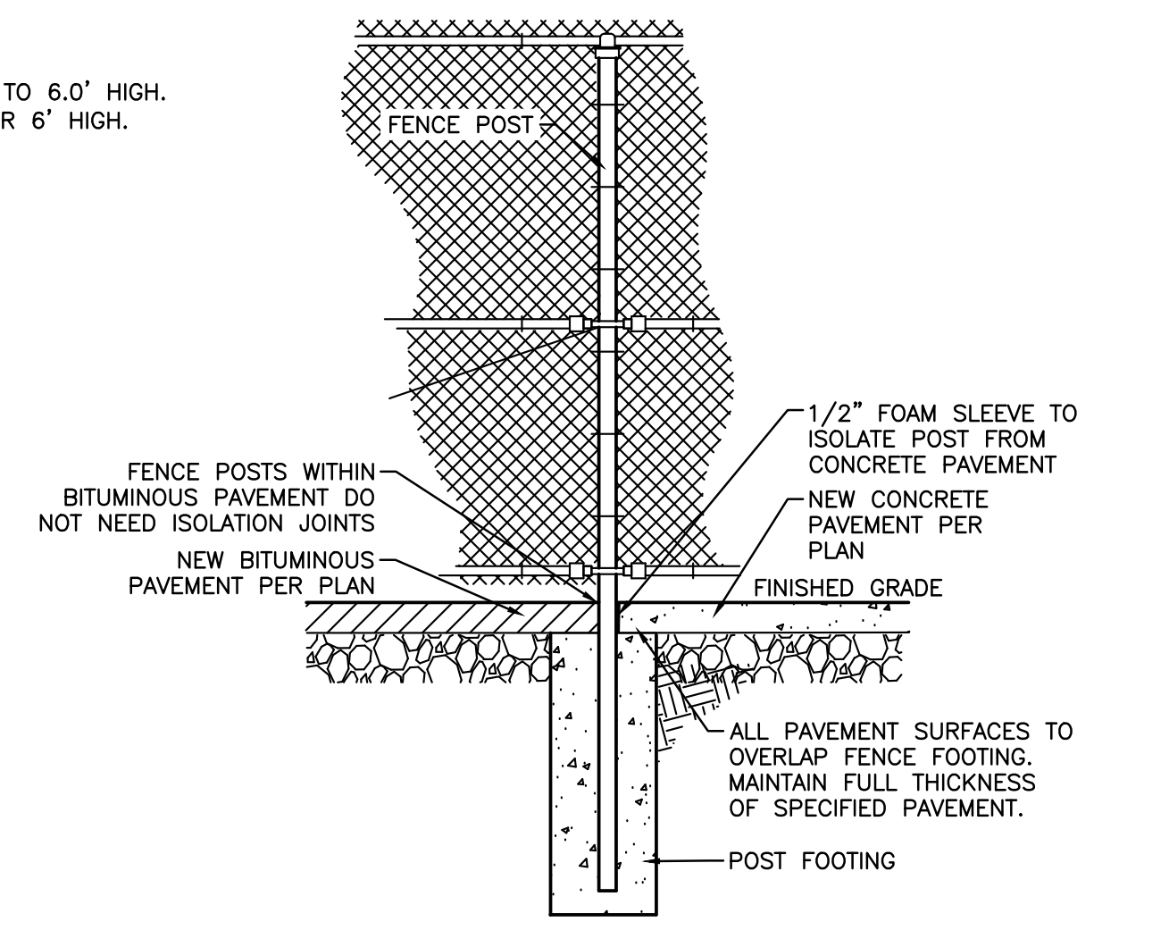
FENCE	STEEL POST MATERIAL	POST SIZE (IN.)	MAX. POST SPACING (FT.)	MIN. POST DEPTH (FT.)	MIN. FOOTING DIAMETER (FT.)
6 FEET	ASTM F1083 (50 KSI)	3	10	4	2.5
8 FEET	ASTM F1083 (50KSI)	3	8	5	3.0

END & CORNER POSTS TO BE ONE SIZE LARGER THAN SHOWN FOR LINE POSTS.

(CW) = FENCE INSTALLED IN CURB WALL SHALL HAVE FOOTING EXTENDED THROUGH THE WALL TO THE DEPTH SHOWN. SEE DETAIL

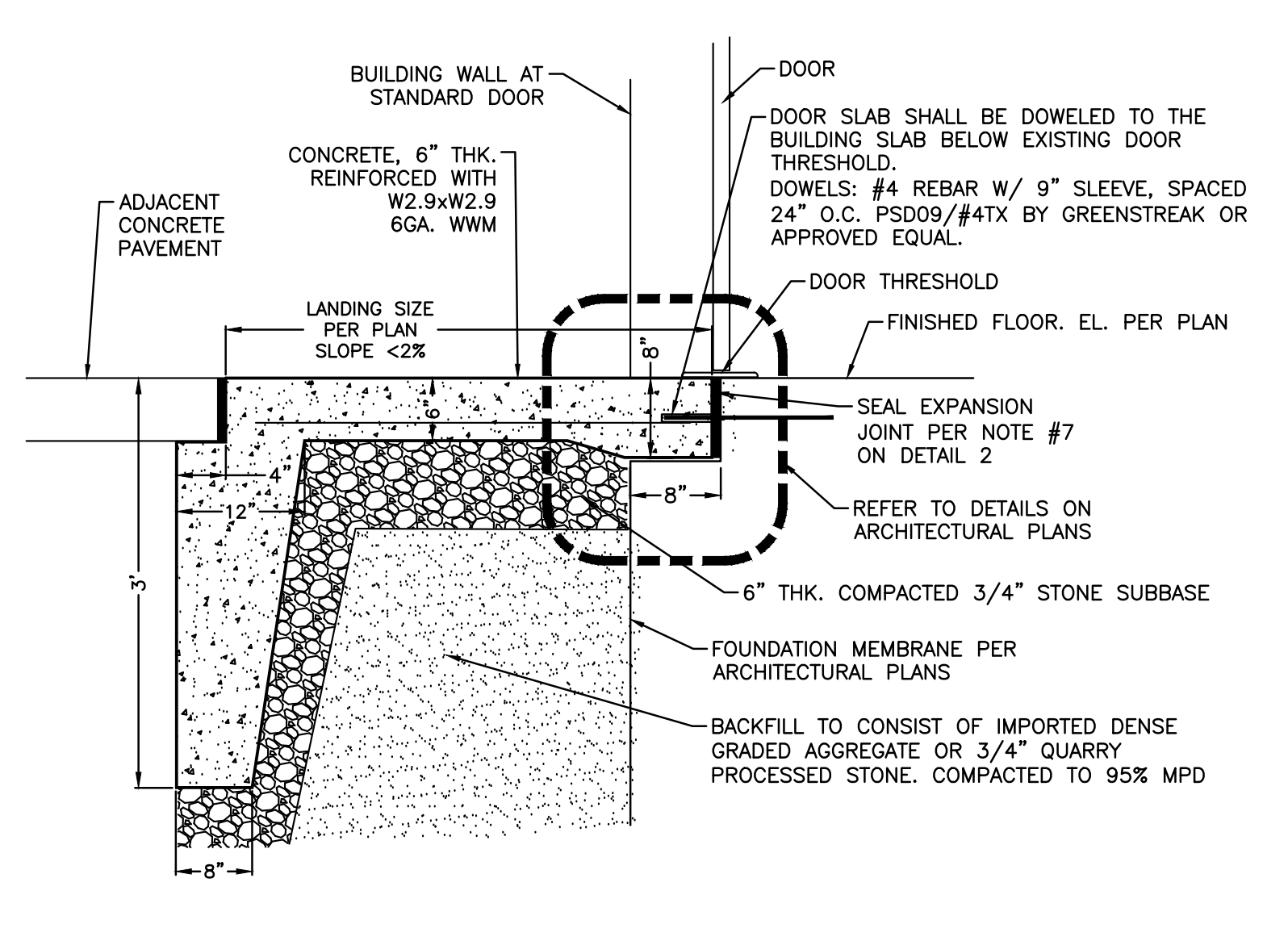

END CAP
GATE FRAME TO BE 1-1/2" ø HOT DIPPED GALV. SCH 40 STEEL
ALL POSTS & RAILS TO BE HOT DIPPED GALVANIZED STEEL, SCH. 40
FENCE FABRIC
LOCKING LATCH
1/4"x3/4" STRETCHER BAR
1/2" STRETCHER BAR BAND WITH CARRIAGE BOLT
FINISHED GRADE
CONCRETE PAVEMENT OR BORDER CURB (PER PLAN)
NOTE #10
2 HEAVY DUTY HINGES UP TO 6.0' HIGH.
3 HEAVY DUTY HINGES OVER 6' HIGH.
MIDDLE RAIL REQUIRED AT ALL GATE POSTS FOR ALL FENCE HEIGHTS
DIAGONAL BRACE AT GATE REQUIRED TYP
1.5" MAX.
CONCRETE PAVEMENT OR BORDER CURB (PER PLAN)
3000 PSI CONCRETE FOOTING ALL POSTS
SEE TABLE

TYPICAL FENCE GATE SECTION

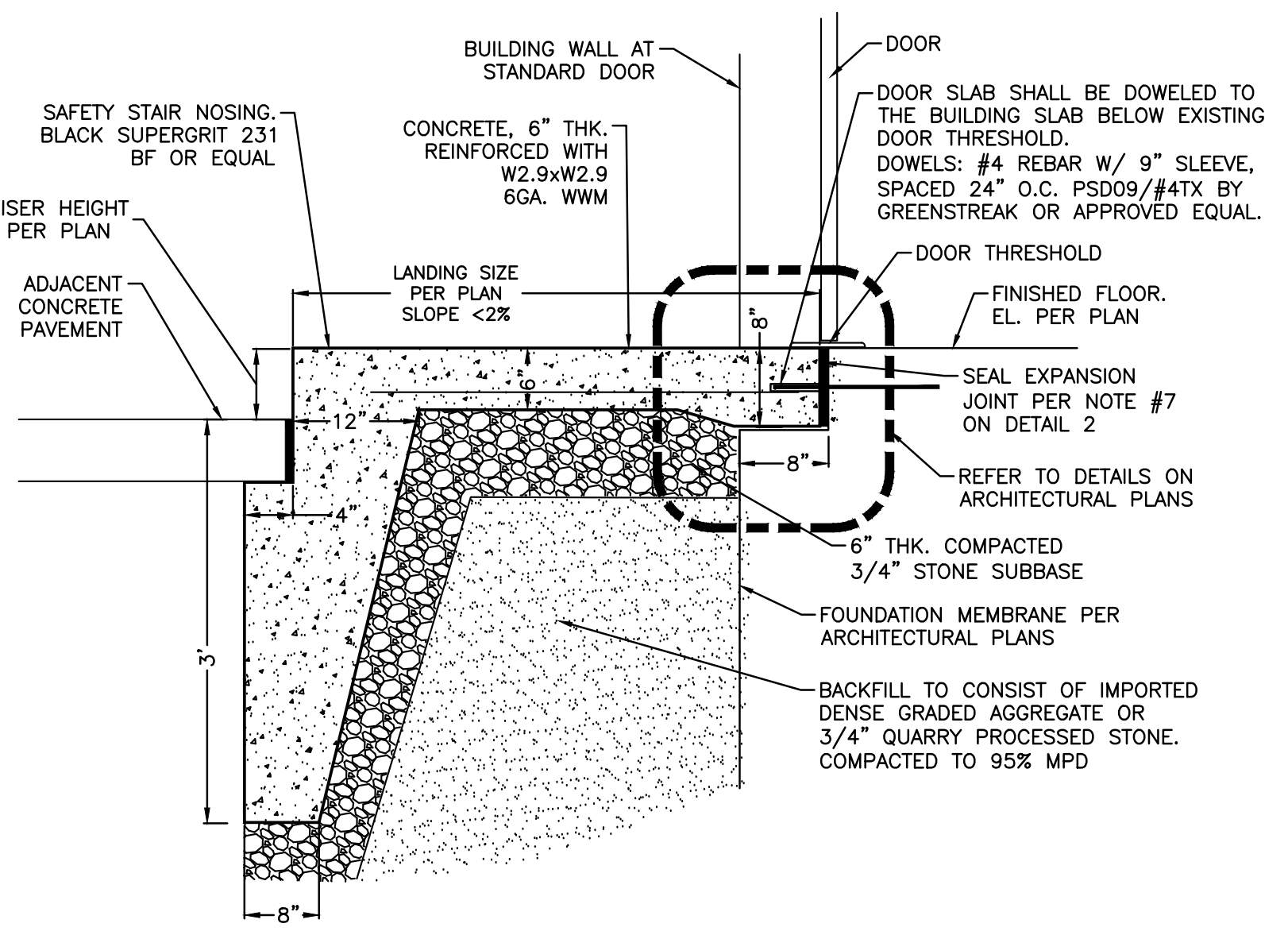

FENCE POST
FENCE POSTS WITHIN BITUMINOUS PAVEMENT DO NOT NEED ISOLATION JOINTS
NEW BITUMINOUS PAVEMENT PER PLAN
1/2" FOAM SLEEVE TO ISOLATE POST FROM CONCRETE PAVEMENT
NEW CONCRETE PAVEMENT PER PLAN
FINISHED GRADE
ALL PAVEMENT SURFACES TO OVERLAP FENCE FOOTING. MAINTAIN FULL THICKNESS OF SPECIFIED PAVEMENT.
POST FOOTING

TYPICAL FENCE POSTS SET IN PAVEMENT

7 CHAIN LINK FENCE
NOT TO SCALE


BUILDING WALL AT STANDARD DOOR
DOOR
CONCRETE, 6" THK., REINFORCED WITH W2.9xW2.9 6GA. WWM
DOOR SLAB SHALL BE DOWELED TO THE BUILDING SLAB BELOW EXISTING DOOR THRESHOLD. DOWELS: #4 REBAR W/ 9" SLEEVE, SPACED 24" O.C. PSD09/#4TX BY GREENSTREAK OR APPROVED EQUAL.
ADJACENT CONCRETE PAVEMENT
LANDING SIZE PER PLAN SLOPE ≤2%
DOOR THRESHOLD
FINISHED FLOOR. EL. PER PLAN
SEAL EXPANSION JOINT PER NOTE #7 ON DETAIL 2
REFER TO DETAILS ON ARCHITECTURAL PLANS
6" THK. COMPACTED 3/4" STONE SUBBASE
FOUNDATION MEMBRANE PER ARCHITECTURAL PLANS
BACKFILL TO CONSIST OF IMPORTED DENSE GRADED AGGREGATE OR 3/4" QUARRY PROCESSED STONE. COMPACTED TO 95% MPD

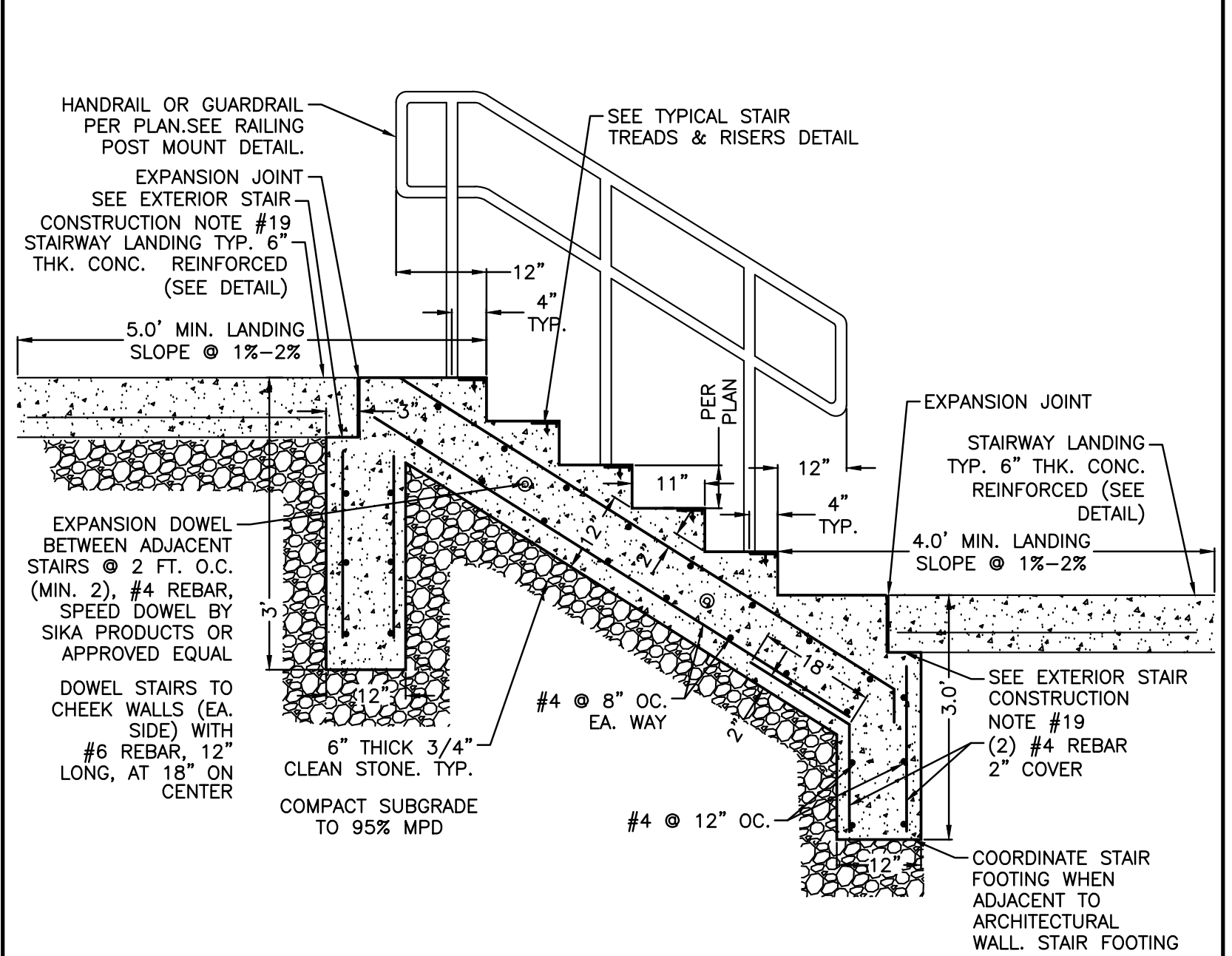
A – FLUSH W/ GRADE


BUILDING WALL AT STANDARD DOOR
DOOR
SAFETY STAIR NOSING, BLACK SUPERGRIT 231 BF OR EQUAL
CONCRETE, 6" THK., REINFORCED WITH W2.9xW2.9 6GA. WWM
DOOR SLAB SHALL BE DOWELED TO THE BUILDING SLAB BELOW EXISTING DOOR THRESHOLD. DOWELS: #4 REBAR W/ 9" SLEEVE, SPACED 24" O.C. PSD09/#4TX BY GREENSTREAK OR APPROVED EQUAL.
RISER HEIGHT PER PLAN
ADJACENT CONCRETE PAVEMENT
LANDING SIZE PER PLAN SLOPE ≤2%
DOOR THRESHOLD
FINISHED FLOOR. EL. PER PLAN
SEAL EXPANSION JOINT PER NOTE #7 ON DETAIL 2
REFER TO DETAILS ON ARCHITECTURAL PLANS
6" THK. COMPACTED 3/4" STONE SUBBASE
FOUNDATION MEMBRANE PER ARCHITECTURAL PLANS
BACKFILL TO CONSIST OF IMPORTED DENSE GRADED AGGREGATE OR 3/4" QUARRY PROCESSED STONE. COMPACTED TO 95% MPD

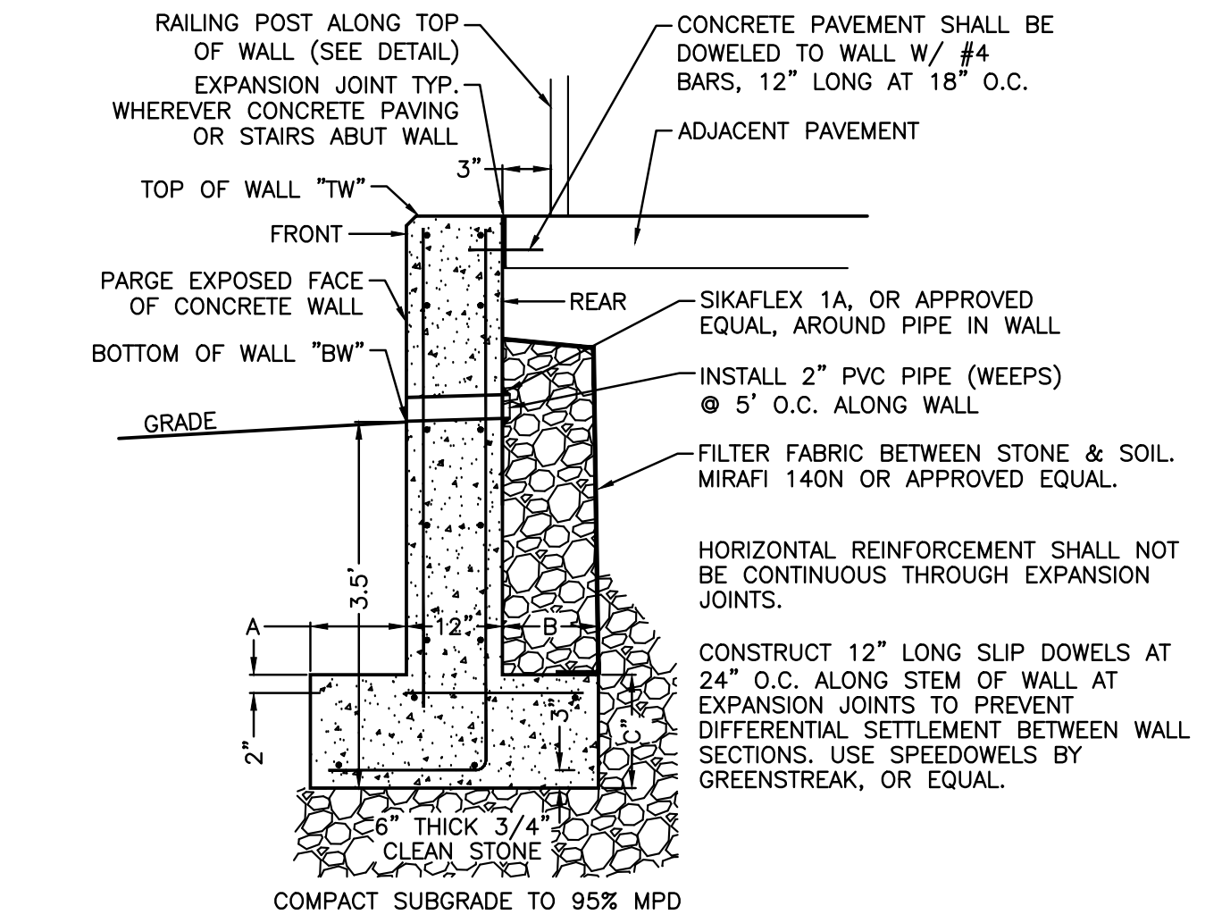
REFER TO CONCRETE PAVEMENT DETAIL FOR STANDARD NOTES THAT APPLY TO CONCRETE WORK SHOWN IN THIS DETAIL

B – W/ RISER

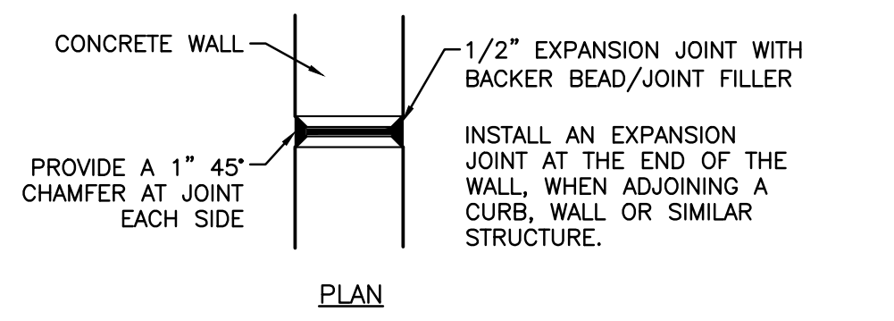
8 CONCRETE LANDING
NOT TO SCALE


HANDRAIL OR GUARDRAIL PER PLAN,SEE RAILING POST MOUNT DETAIL
SEE TYPICAL STAIR TREADS & RISERS DETAIL
EXPANSION JOINT SEE EXTERIOR STAIR CONSTRUCTION NOTE #19
STAIRWAY LANDING TYP. 6" THK. CONC. REINFORCED (SEE DETAIL)
5.0' MIN. LANDING SLOPE @ 1%-2%
12"
4" TYP.
PER PLAN
EXPANSION JOINT
STAIRWAY LANDING TYP. 6" THK. CONC. REINFORCED (SEE DETAIL)
4.0' MIN. LANDING SLOPE @ 1%-2%
EXPANSION DOWEL BETWEEN ADJACENT STAIRS @ 2 FT. O.C. (MIN. 2), #4 REBAR, SPEED DOWEL BY SIKA PRODUCTS OR APPROVED EQUAL
DOWEL STAIRS TO CHEEK WALLS (EA. SIDE) WITH #6 REBAR, 12" LONG, AT 18" ON CENTER
6" THICK 3/4" CLEAN STONE. TYP.
COMPACT SUBGRADE TO 95% MPD
#4 @ 8" OC. EA. WAY
#4 @ 12" OC.
SEE EXTERIOR STAIR CONSTRUCTION NOTE #19
(2) #4 REBAR 2" COVER
COORDINATE STAIR FOOTING WHEN ADJACENT TO ARCHITECTURAL WALL. STAIR FOOTING MAY PARTIALLY REST ON WALL FOOTING.

9 TYPICAL CONCRETE STAIRS W/ CHEEKWALLS
NOT TO SCALE

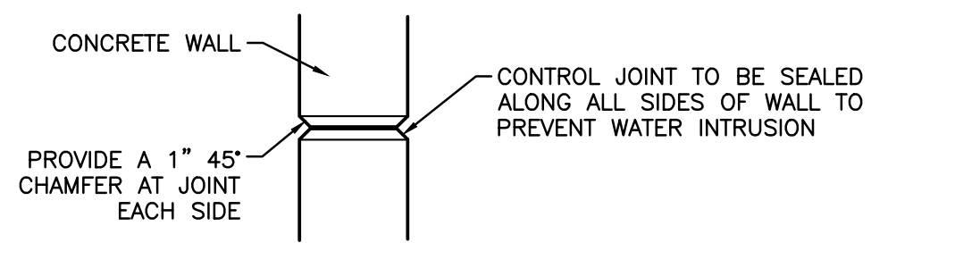

RAILING POST ALONG TOP OF WALL (SEE DETAIL)
EXPANSION JOINT TYP. WHEREVER CONCRETE PAVING OR STAIRS ABUT WALL
TOP OF WALL "TW"
FRONT
FLUSH
PARGE EXPOSED FACE OF CONCRETE WALL
BOTTOM OF WALL "BW"
GRADE
CONCRETE PAVEMENT SHALL BE DOWELED TO WALL W/ #4 BARS, 12" LONG AT 18" O.C.
ADJACENT PAVEMENT
REAR
SIKAFLEX 1A, OR APPROVED EQUAL, AROUND PIPE IN WALL
INSTALL 2" PVC PIPE (WEEPS) @ 5' O.C. ALONG WALL
FILTER FABRIC BETWEEN STONE & SOIL. MIRAFI 140N OR APPROVED EQUAL.
HORIZONTAL REINFORCEMENT SHALL NOT BE CONTINUOUS THROUGH EXPANSION JOINTS.
CONSTRUCT 12" LONG SLIP DOWELS AT 24" O.C. ALONG STEM OF WALL AT EXPANSION JOINTS TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN WALL SECTIONS. USE SPEEDOWELS BY GREENSTREAK, OR EQUAL.
A
B
C
12"
2"
3"
3.5'
6" THICK 3/4" CLEAN STONE
COMPACT SUBGRADE TO 95% MPD

WALL HEIGHT	DIM "A"	DIM "B"	DIM "C"	STEM REINFORCEMENT	FOOTING REINF.
UP TO 4'-0"	1'-2"	1'-3"	1'-3"	VERTICAL BACK: #6 BARS @ 18" O.C. FRONT: #4 BARS @ 36" O.C. (REQUIRED TO SUPPORT HORIZONTAL BARS) HORIZONTAL #5 BARS @ 24" O.C. FRONT & REAR	TOE: #6 BARS @ 18" O.C. HEEL: #6 BARS @ 18" O.C. HORIZONTAL: #6 BARS @ 16" O.C. (ONE LAYER ONLY)


CONCRETE WALL
1/2" EXPANSION JOINT WITH BACKER BEAD/JOINT FILLER
PROVIDE A 1" 45° CHAMFER AT JOINT EACH SIDE
INSTALL AN EXPANSION JOINT AT THE END OF THE WALL, WHEN ADJOINING A CURB, WALL OR SIMILAR STRUCTURE.

PLAN

EXPANSION JOINT IN CONCRETE WALL
CONSTRUCT AT 30' MAX. INTERVALS


CONCRETE WALL
CONTROL JOINT TO BE SEALED ALONG ALL SIDES OF WALL TO PREVENT WATER INTRUSION
PROVIDE A 1" 45° CHAMFER AT JOINT EACH SIDE

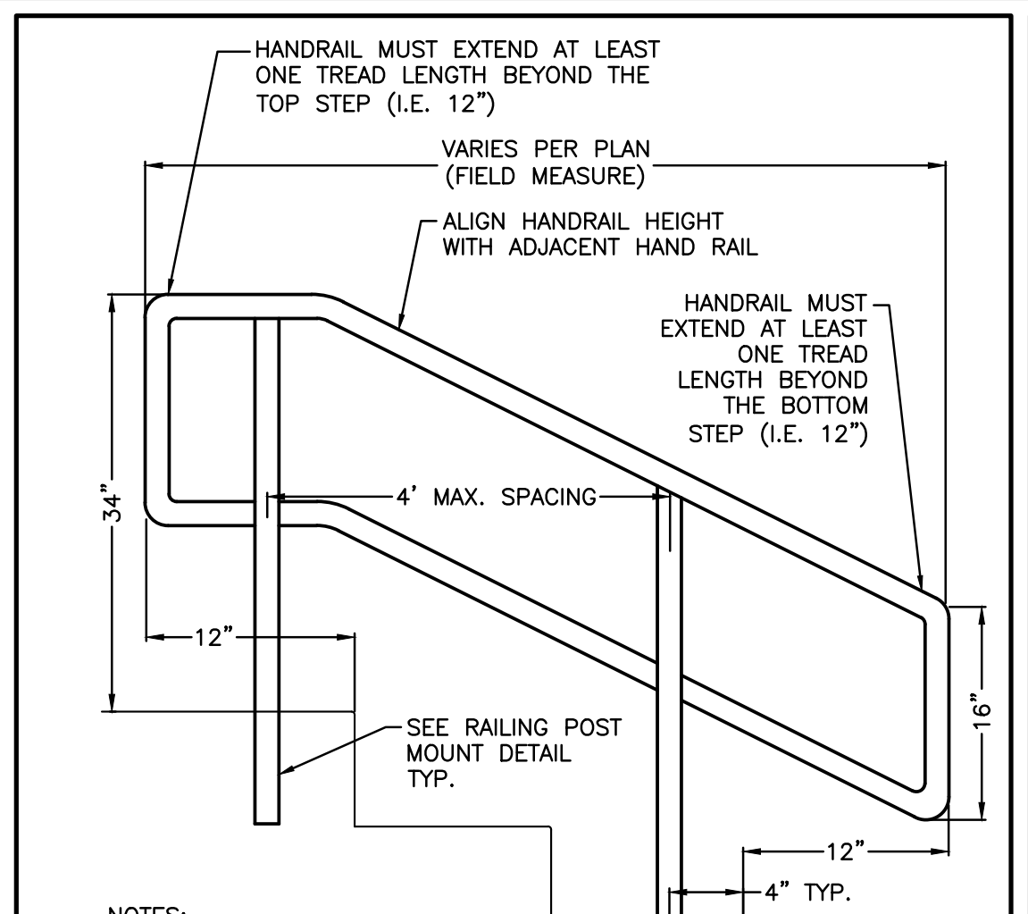
PLAN

CONTROL JOINT IN CONCRETE WALL
MIDWAY BETWEEN EXPANSION JOINTS

SEAL EXPANSION & CONTROL JOINTS WITH BACKER BEAD & NON-SAG CAULK, POURTHANE, BY WR MEADOWS OR EQUAL. COLOR TO MATCH CONCRETE/MORTAR COLOR.

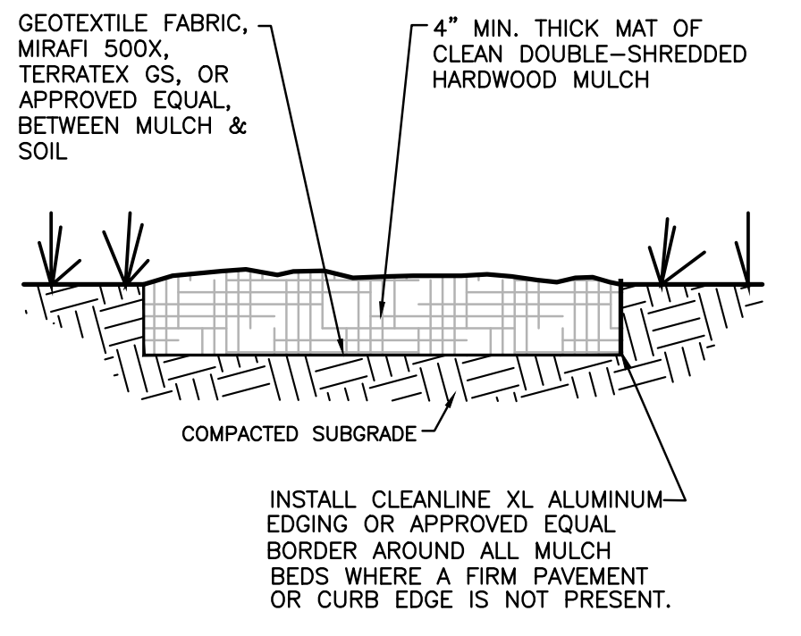
CAST-IN-PLACE CONCRETE NOTES
1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318) LATEST EDITION, AND THE SPECIFICATIONS. ALL CONCRETE WORK SHALL ALSO COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING ACI PUBLICATIONS: ACI-301, ACI-302, ACI-304, ACI-305, ACI-308, ACI-309, ACI-315, ACI-347, ACI-211.1.
2. MATERIALS SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   CEMENT, TYPE 1: C153
   AGGREGATES: C33
   REINFORCEMENT: A615
   ADMIXTURES (EXCEPT AIR): C494
   CURING & HARDENING COMPOUND: C309
   READY MIX CONCRETE: C94
   WELDED WIRE FABRIC: A185
3. THE COMPRESSIVE STRENGTH OF THE CONCRETE FOR EACH PORTION OF THE STRUCTURE SHALL BE AS DESIGNATED BELOW.
   (1) NORMAL WEIGHT CONCRETE
   (2) STRENGTH: 4,000 PSI AT 28 DAYS
   (3) AIR CONTENT: 4.5% TO 7.5%
   (4) SLUMP: 1" TO 3"
   (5) ADMIXTURES: WATER REDUCING AGENT (EUCON WR-75)
   (6) W/C RATIO: 0.45 MAXIMUM BY WEIGHT, MINIMUM 5.5 CEMENT BAGS PER CUBIC YARD.
4. A DESIGN MIX SHALL BE PROPORTIONED IN ACCORDANCE WITH SECTION 5.3 (FIELD EXPERIENCE AND/OR TRIAL MIXTURES) OF ACI-318. DESIGN MIX(ES) SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENCED IN THE STATE OF NEW JERSEY AND SUBMITTED FOR THE ENGINEER'S REVIEW PRIOR TO PLACING ANY CONCRETE.
5. CONCRETE SHALL BE PLACED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION AND CONSOLIDATED BY RODDING, SPADING OR INTERNAL TYPE OF MECHANICAL VIBRATORS. MECHANICAL VIBRATORS SHALL NOT BE USED TO MOVE CONCRETE LATERALLY.
6. ALL INSERTS, ANCHOR BOLTS, SLEEVES ETC. SHALL BE SET IN PLACE PRIOR TO PLACING CONCRETE.
7. ALL GROUT SHALL BE NON-SHRINK GROUT BY EUCLID CHEMICAL COMPANY OR EQUAL.
8. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND SHALL CONFORM TO ASTM A615, GRADE 60.
9. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL MARKED CONTINUOUS (CONT.) ON THE PLANS AND DETAILS SHALL BE LAPPED 36 BAR DIAMETERS AT SPLICES UNLESS OTHERWISE NOTED.
10. UNLESS OTHERWISE NOTED, MINIMUM 2" CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT PER SECTION 7.7 OF ACI 318.
11. CONCRETE TESTING SHALL BE MADE BY AN INDEPENDENT LABORATORY ENGAGED BY AND PAID FOR BY THE CONTRACTOR. A SET OF FOUR (4) CYLINDERS TEST AT 7 DAYS (2) AND 28 DAYS (2) IN ACCORDANCE WITH ASTM C39 SHALL BE DOCUMENTED FOR EACH DAYS POUR. SUBMIT RESULTS IN A REPORT FORM FOR THE OWNERS REVIEW.
12. SEAL EXPANSION & CONTROL JOINTS WITH BACKER BEAD & NON-SAG CAULK, POURTHANE, BY WR MEADOWS OR EQUAL. COLOR TO MATCH CONCRETE/MORTAR COLOR.
13. EXPANSION JOINTS SHALL BE CONSTRUCTED AT 30' MAX. INTERVALS, WITH CONTROL JOINTS MIDWAY BETWEEN.
14. INSTALL SLIP DOWELS, SPEED DOWEL BY GREENSTREAK PRODUCTS OR APPROVED EQUAL, WHERE NEW CONCRETE PAVEMENT ABUTS WALL.

10 CONCRETE WALL
NOT TO SCALE

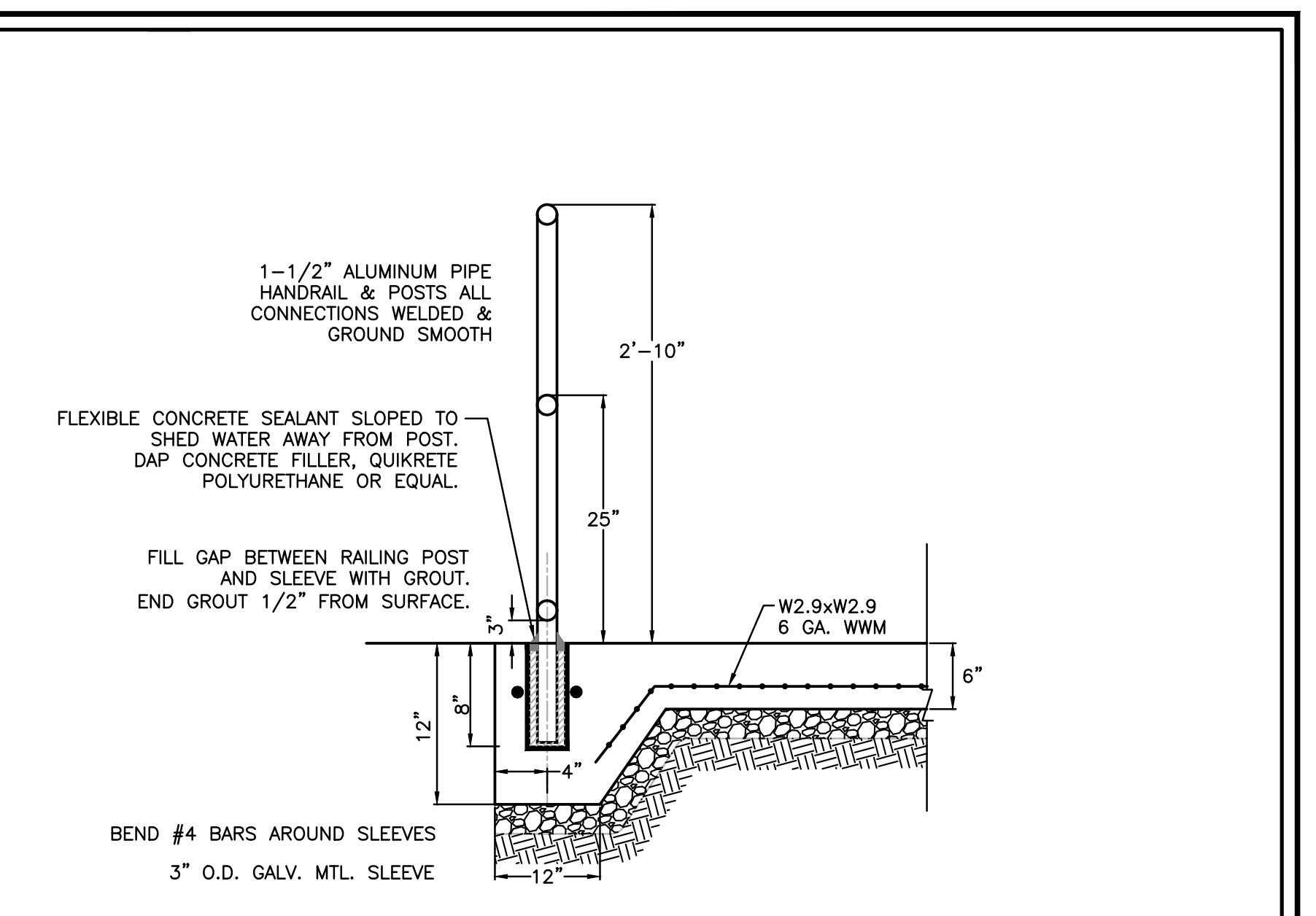

HANDRAIL MUST EXTEND AT LEAST ONE TREAD LENGTH BEYOND THE TOP STEP (I.E. 12")
VARIES PER PLAN (FIELD MEASURE)
ALIGN HANDRAIL HEIGHT WITH ADJACENT HAND RAIL
HANDRAIL MUST EXTEND AT LEAST ONE TREAD LENGTH BEYOND THE BOTTOM STEP (I.E. 12")
4" MAX. SPACING
34"
12"
16"
SEE RAILING POST MOUNT DETAIL TYP.
12"
4" TYP.

NOTES:
1. FIELD MEASURE FOR NEW POSTS
2. PROVIDE MATCHING BRACKETS, WHERE MOUNTED TO BUILDING WALL.
3. SEE GENERAL METAL RAILING NOTES.

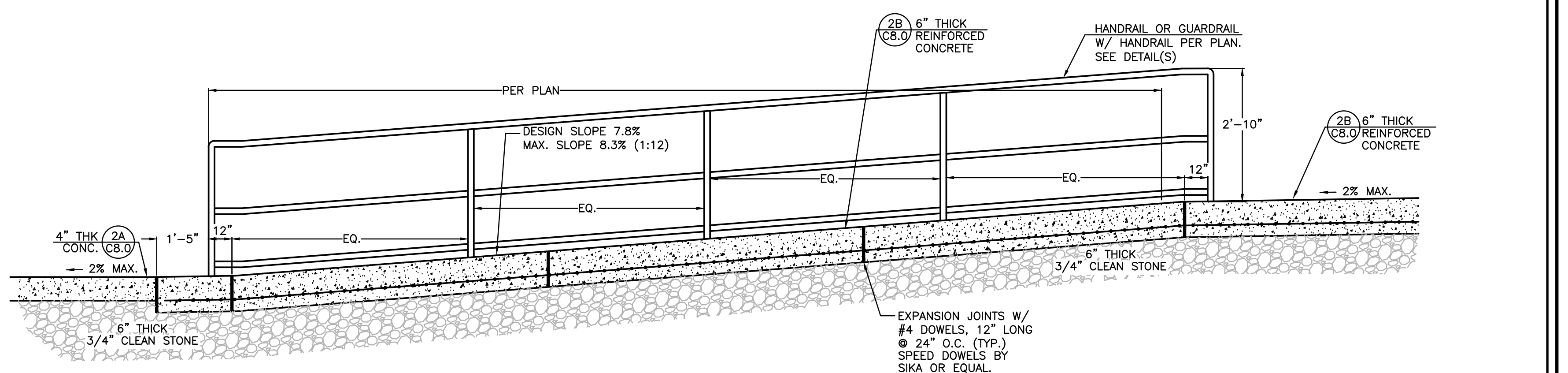
11 TYPICAL HANDRAIL FOR STAIRS
NOT TO SCALE


GEOTEXTILE FABRIC, MIRAFI 500X, TERRATEX GS, OR APPROVED EQUAL BETWEEN MULCH & SOIL
4" MIN. THICK MAT OF CLEAN DOUBLE-SHREDDED HARDWOOD MULCH
COMPACTED SUBGRADE
INSTALL CLEANLINE XL ALUMINUM EDGING OR APPROVED EQUAL BORDER AROUND ALL MULCH BEDS WHERE A FIRM PAVEMENT OR CURB EDGE IS NOT PRESENT.

12 MULCH
NOT TO SCALE

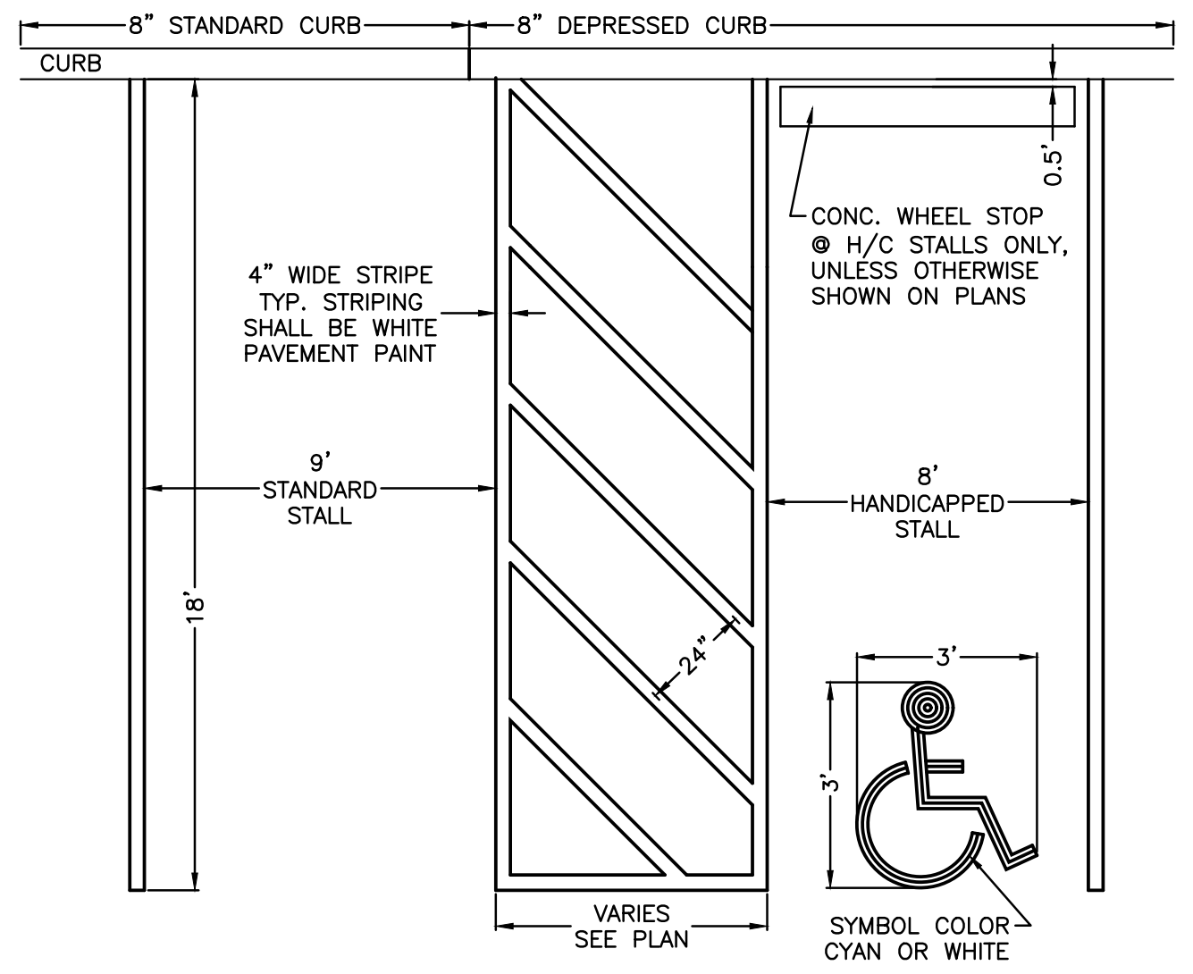

1-1/2" ALUMINUM PIPE HANDRAIL & POSTS ALL CONNECTIONS WELDED & GROUND SMOOTH
2'-10"
FLEXIBLE CONCRETE SEALANT SLOPED TO SHED WATER AWAY FROM POST. DAP CONCRETE FILLER, QUIKRETE POLYURETHANE OR EQUAL.
25"
FILL GAP BETWEEN RAILING POST AND SLEEVE WITH GROUT. END GROUT 1/2" FROM SURFACE.
W2.9xW2.9 6 GA. WWM
6"
8"
4"
BEND #4 BARS AROUND SLEEVES
3" O.D. GALV. MTL. SLEEVE
CLASS "B" CONCRETE (4,000 PSI)
4" THICK 3/4" CLEAN STONE

HANDRAIL
NOT TO SCALE


2B C8.0 6" THICK CONCRETE
HANDRAIL OR GUARDRAIL W/ ADJACENT PER PLAN. SEE DETAIL(S)
PER PLAN
DESIGN SLOPE 7.8% MAX. SLOPE 8.3% (1:12)
2'-10"
2B C8.0 6" THICK REINFORCED CONCRETE
EQ.
12"
2% MAX.
4" THK 2A C8.0 CONC.
1'-5"
6" THICK 3/4" CLEAN STONE
6" THICK 3/4" CLEAN STONE
EXPANSION JOINTS W/ #4 DOWELS, 12" LONG @ 24" O.C. (TYP.) SPEED DOWELS BY SIKA OR EQUAL.

GENERAL EXTERIOR RAMP CONSTRUCTION NOTES:
1. ALL STEEL REINFORCEMENT SHALL BE GRADE 60 EPOXY COATED, ASTM A615.
2. ALL CONSTRUCTION SHALL CONFORM TO ACI-318, LATEST REVISION, 4,000 PSI, AIR ENTRAINED PORTLAND CEMENT CONCRETE.
3. ALL CONCRETE SHALL BE SEALED IMMEDIATELY AFTER FINISHING WITH ASTM C309, TYPE 1, CLASS A COMPLIANT SEALER.
4. ALL EXPANSION AND CONTROL JOINTS SHALL BE SEALED WITH AN EXTERIOR GRADE NON-SAG SEALANT, SikaFlex-2c NS/SL OR EQUAL. SEALANT SHALL BE FLUSH WITH THE SURFACE OR FLUSH WITH THE INTERIOR EDGE OF A CHAMFER AS APPLICABLE.
5. THE MINIMUM COVER FOR ALL REBAR IS TWO (2) INCHES FROM ANY SURFACE AND AS NOTED ON THE PLANS.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. FURNISH COMPRESSIVE STRENGTH TESTS TO THE ENGINEER AT 7 DAY AND 28 DAY MILESTONES TO DEMONSTRATE DESIGN COMPRESSIVE STRENGTH HAS BEEN ACHIEVED.
8. INSERT SLEEVES, OR CORE DRILL INTO THE RAMP TO INSTALL THE NEW HANDRAILS.
9. DO NOT FABRICATE HAND RAILS UNTIL THE RAMP HAVE BEEN SURVEYED, MEASURED, AND DETERMINED TO BE IN CONFORMANCE WITH THESE PLANS AND APPLICABLE CODES.
10. SHOP DRAWINGS FOR THE NEW RAMP AND HANDRAILS, DETAILING SPECIFIC SITE GEOMETRY, INCLUDING POST & EXPANSION JOINT LOCATIONS SHALL BE SUBMITTED.
11. RAMPS THAT EXCEED THE ALLOWABLE TOLERANCES NOTED IN THIS DETAIL WILL BE DEMOLISHED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THE OWNER WILL NOT ACCEPT PATCHED AND RETROFITTED STAIRS. ALL CONSTRUCTION SHALL BE NEW AND FINISHED TO WORKMANLIKE STANDARDS.
12. RAMPS SHALL COMPLY WITH ICC A117.1 2017.

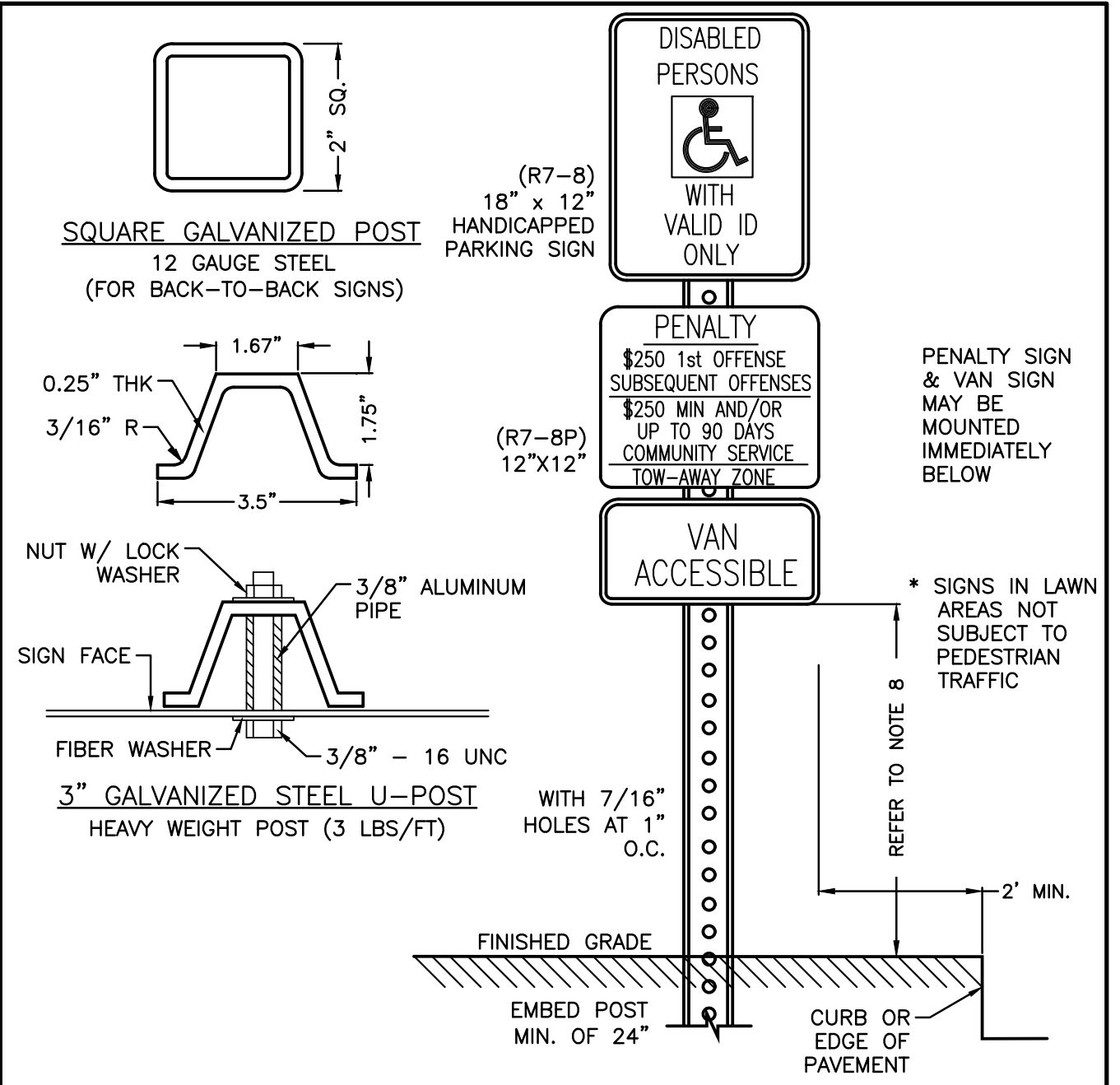
13 RAMP DETAILS
NOT TO SCALE


8" STANDARD CURB
8" DEPRESSED CURB
CURB
4" WIDE STRIPE TYP. STRIPING SHALL BE WHITE PAVEMENT PAINT
9' STANDARD STALL
18'
CONC. WHEEL STOP @ H/C STALLS ONLY, UNLESS OTHERWISE SHOWN ON PLANS
8' HANDICAPPED STALL
0.5'
VARIES SEE PLAN
3'
SYMBOL COLOR CYAN OR WHITE

STALL MARKINGS

NOTES:
1. A NORMAL WIDTH LINE SHALL BE 4"-6" WIDE. DOUBLE CENTERLINE SHALL BE 4" STRIPE, 4" GAP, 4" STRIPE.
2. 3. PARKING STALL LINES SHALL BE WHITE, EXCEPT BARRIER-FREE STALLS.
4. ALL PAVEMENT MARKINGS SHALL BE PER PART 3 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PER NJDOT SPECIFICATIONS, COLOR WHITE, YELLOW, OR BLUE AS SPECIFIED HEREIN, UNLESS NOTES OTHERWISE BY MUTCD.
6. THE PAVEMENT MARKING CONTRACTOR SHALL HAVE AT LEAST 3 YEARS EXPERIENCE WITH NJDOT AND FEDERAL PAVEMENT MARKING REQUIREMENTS.

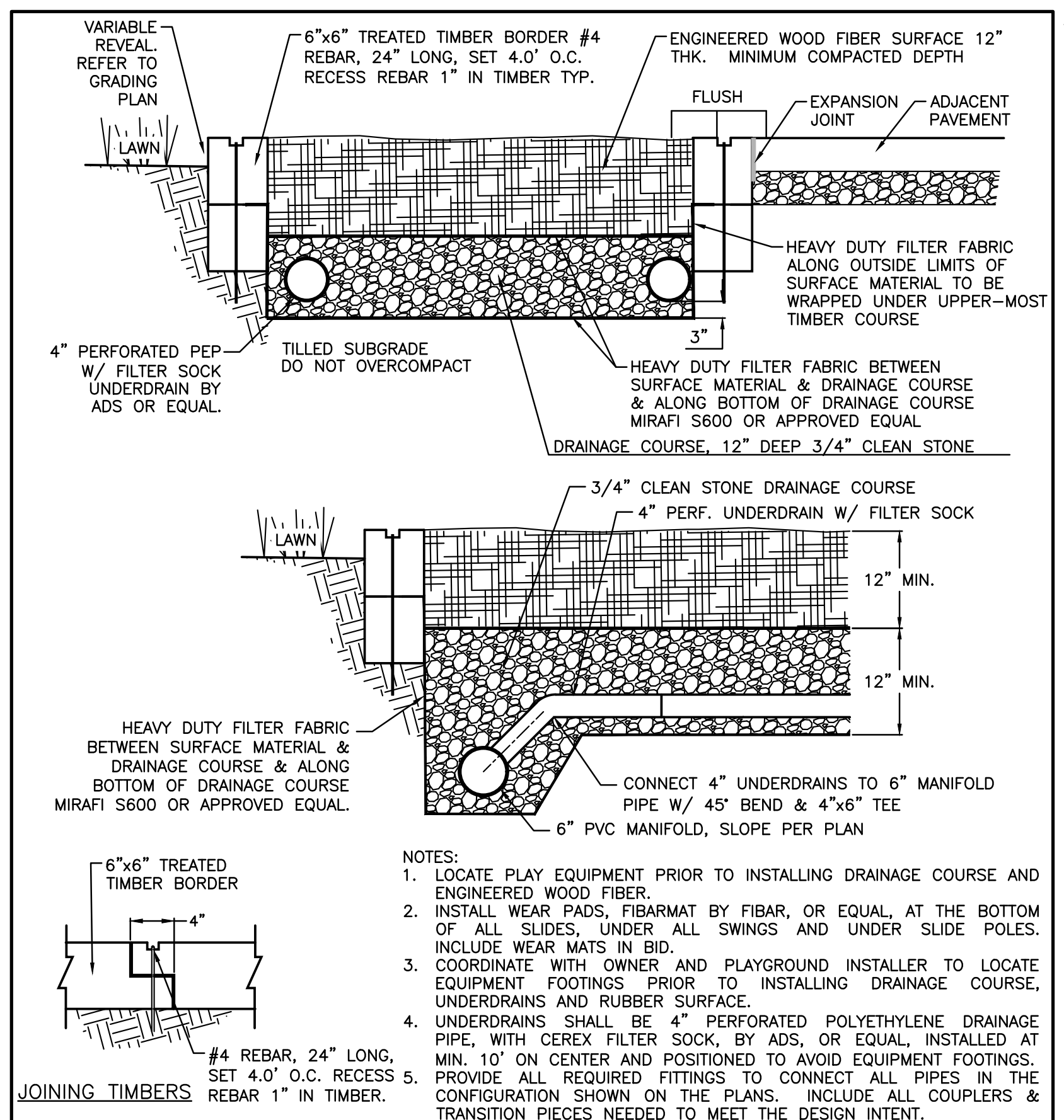
14 PAVEMENT MARKINGS
NOT TO SCALE


2" SQ.
SQUARE GALVANIZED POST 12 GAUGE STEEL (FOR BACK-TO-BACK SIGNS)
0.25" THK
3/16" R
1.67"
1.75"
3.5"
NUT W/ LOCK WASHER
SIGN FACE
3/8" ALUMINUM PIPE
FIBER WASHER
3/8" – 16 UNC
3" GALVANIZED STEEL U-POST
HEAVY WEIGHT POST (3 LBS/FT)
DISABLED PERSONS
WITH VALID ID ONLY
(R7-8) 18" x 12" HANDICAPPED PARKING SIGN
PENALTY
$250 1st OFFENSE
SUBSEQUENT OFFENSES $250 AND/OR UP TO 90 DAYS COMMUNITY SERVICE
(R7-8P) 12"x12"
VAN ACCESSIBLE
PENALTY SIGN & VAN SIGN MAY BE MOUNTED IMMEDIATELY BELOW
SIGNS IN LAWN AREAS NOT SUBJECT TO PEDESTRIAN TRAFFIC
WITH 7/16" HOLES AT 1" O.C.
REFER TO NOTE 8
2' MIN.
FINISHED GRADE
EMBED POST MIN. OF 24"
CURB OR EDGE OF PAVEMENT

TYPICAL SIGN POST

NOTES:
1. ALL SIGNS SHALL BE INSTALLED AS SHOWN FOR THE HANDICAPPED SIGN ON THIS DETAIL. DOUBLE FACED (BACK TO BACK) SIGNS SHALL HAVE A SQUARE POST AS SHOWN.
2. ALL SIGN BLANKS SHALL BE MANUFACTURED PER U.S BUREAU OF PUBLIC ROADS STANDARDS AND SHALL BE TREATED PER ASTM B449.
3. THE SIGN FINISH SHALL BE ENGINEER GRADE.
4. ALL SIGN POSTS SHALL HAVE PRE-DRILLED HOLES, 7/16" @ 1" O.C.
5. SIGNS SHOWN ALONG DRIVEWAYS, ROADWAYS, AND PARKING LOTS SHALL BE POSITIONED TO THE NEAREST SIGN EDGE IS AT LEAST 2 FEET FROM THE TRAVELED WAY, WHENEVER POSSIBLE.
6. ALL SIGNS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
7. SIGN POST BASES SHALL BE EQUIPPED WITH BREAKAWAY HARDWARE.
8. THE BOTTOM OF THE LOWEST SIGN SHALL BE MOUNTED APPROXIMATELY 60 INCHES ABOVE THE PARKING LOT OR SIDEWALK SURFACE WHEN THE SIGN IS PARALLEL TO THE SIDEWALK AND APPROXIMATELY 72 INCHES ABOVE THE PARKING LOT OR SIDEWALK WHEN THE SIGN IS PERPENDICULAR TO THE SIDEWALK.

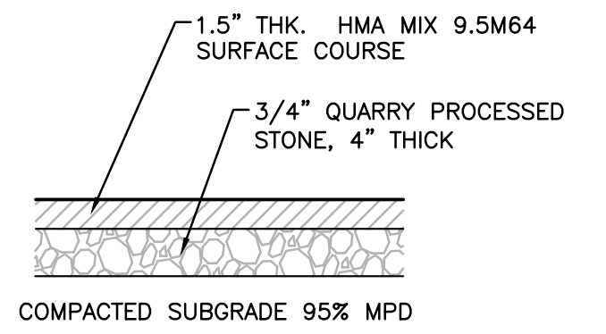
15 TRAFFIC SIGNS WITH TYPICAL POSTS
NOT TO SCALE


VARIABLE REVEAL. REFER TO GRADING PLAN
6"x6" TREATED TIMBER BORDER #4 REBAR, 24" LONG, SET 4.0' O.C. RECESS REBAR 1" IN TIMBER TYP.
ENGINEERED WOOD FIBER SURFACE 12" THK. MINIMUM COMPACTED DEPTH
EXPANSION JOINT
ADJACENT PAVEMENT
FLUSH
HEAVY DUTY FILTER FABRIC ALONG OUTSIDE LIMITS OF SURFACE MATERIAL TO BE WRAPPED UNDER UPPER-MOST TIMBER COURSE
4" PERFORATED PEP W/ FILTER SOCK UNDERDRAIN BY ADS OR EQUAL
TILLED SUBGRADE DO NOT OVERCOMPACT
HEAVY DUTY FILTER FABRIC BETWEEN SURFACE MATERIAL & DRAINAGE COURSE & ALONG BOTTOM OF DRAINAGE COURSE MIRAFI S600 OR APPROVED EQUAL
DRAINAGE COURSE, 12" DEEP 3/4" CLEAN STONE
LAWN
3/4" CLEAN STONE DRAINAGE COURSE
4" PERF. UNDERDRAIN W/ FILTER SOCK
12" MIN.
12" MIN.
HEAVY DUTY FILTER FABRIC BETWEEN SURFACE MATERIAL & DRAINAGE COURSE & ALONG BOTTOM OF DRAINAGE COURSE MIRAFI S600 OR APPROVED EQUAL.
CONNECT 4" UNDERDRAINS TO 6" MANIFOLD PIPE W/ 45° BEND & 4"x6" TEE
6" PVC MANIFOLD, SLOPE PER PLAN
6"x6" TREATED TIMBER BORDER
4"
#4 REBAR, 24" LONG, SET 4.0' O.C. RECESS REBAR 1" IN TIMBER.

JOINING TIMBERS

NOTES:
1. LOCATE PLAY EQUIPMENT PRIOR TO INSTALLING DRAINAGE COURSE AND ENGINEERED WOOD FIBER.
2. INSTALL WEAR PADS, FIBARMAT BY FIBAR, OR EQUAL, AT THE BOTTOM OF ALL SLIDES, UNDER ALL SWINGS AND UNDER SLIDE POLES. INCLUDE WEAR MATS IN BID.
3. COORDINATE WITH OWNER AND PLAYGROUND INSTALLER TO LOCATE EQUIPMENT FOOTINGS PRIOR TO INSTALLING DRAINAGE COURSE, UNDERDRAINS AND RUBBER SURFACE.
4. UNDERDRAINS SHALL BE 4" PERFORATED POLYETHYLENE DRAINAGE PIPE, WITH CEREX FILTER SOCK, BY ADS, OR EQUAL, INSTALLED AT MIN. 10' ON CENTER AND POSITIONED TO AVOID EQUIPMENT FOOTINGS.
5. PROVIDE ALL REQUIRED FITTINGS TO CONNECT ALL PIPES IN THE CONFIGURATION SHOWN ON THE PLANS. INCLUDE ALL COUPLERS & TRANSITION PIECES NEEDED TO MEET THE DESIGN INTENT.
6. THE STONE SURFACE SHALL BE LEFT IN A COMPACTED STATE WITH UNIFORM PLANARITY IN ALL DIRECTIONS. ADJUST THE FINISH STONE LAYER TO PROVIDE FOR A SLOPE NOT GREATER THAN ONE PERCENT ACROSS THE FOOTPRINT OF THE PLAYGROUND EQUIPMENT. ELEVATIONS SHOWN ON THE GRADING PLAN ARE TO THE FINISHED SURFACE ELEVATION.

16 ENGINEERED WOOD FIBER PLAY SURFACE W/ DRAINAGE COURSE & TIMBER BORDER (W/ UNDERDRAIN)
NOT TO SCALE


1.5" THK. HMA MIX 9.5M64 SURFACE COURSE
3/4" QUARRY PROCESSED STONE, 4" THICK
COMPACTED SUBGRADE 95% MPD

NOTES:
1. ALL BITUMINOUS PAVEMENT SHALL BE HOT MIX ASPHALT, PER NJ DOT SPECIFICATIONS.
2. DISPOSE OF ALL WASTE MATERIALS AND EXCESS SOILS IN A LEGAL MANNER OFF SITE.
3. PROVIDE A TACK COAT BETWEEN PAVEMENT COURSES.

17 LIGHT DUTY BITUMINOUS PAVEMENT (HOT MIX ASPHALT)
NOT TO SCALE

EXTERIOR STAIR CONSTRUCTION NOTES:
1. ALL STEEL REINFORCEMENT SHALL BE GRADE 60 ASTM A615, EPOXY COATED, ASTM A775.
2. ALL CONSTRUCTION SHALL CONFORM TO ACI-318, LATEST REVISION, 4,000 PSI, AIR ENTRAINED PORTLAND CEMENT CONCRETE.
3. ALL CONCRETE SHALL BE SEALED IMMEDIATELY AFTER FINISHING WITH ASTM C309, TYPE 1, CLASS A COMPLIANT SEALER.
4. EXPANSION JOINTS MUST BE PROVIDED AT EACH SIDE OF THE STAIRS, ADJOINING THE CHEEK WALLS.
5. ALL EXPANSION AND CONTROL JOINTS SHALL BE SEALED WITH AN EXTERIOR GRADE NON-SAG SEALANT, SikaFlex-2c NS/SL OR EQUAL. SEALANT SHALL BE FLUSH WITH THE SURFACE OR FLUSH WITH THE INTERIOR EDGE OF A CHAMFER AS APPLICABLE.
6. THE MINIMUM COVER FOR ALL REBAR IS TWO (2) INCHES FROM ANY SURFACE AND AS NOTED ON THE PLANS.
7. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. FURNISH COMPRESSIVE STRENGTH TESTS TO THE ENGINEER AT 7 DAY AND 28 DAY MILESTONES TO DEMONSTRATE DESIGN COMPRESSIVE STRENGTH HAS BEEN ACHIEVED.
9. INSERT SLEEVES, OR CORE DRILL INTO THE STAIRS TO INSTALL THE NEW HANDRAILS.
10. SET FORM ELEVATIONS AND DIMENSIONS USING A PROFESSIONAL LAND SURVEYOR. VERIFY THE ELEVATION, SLOPE, CROSS SLOPE, AND DIMENSIONS OF ALL FORMS PRIOR TO POURING CONCRETE.
11. DO NOT FABRICATE HAND RAILS UNTIL THE STAIRS HAVE BEEN SURVEYED, MEASURED, AND DETERMINED TO BE IN CONFORMANCE WITH THESE PLANS AND APPLICABLE CODES.
12. TYPICAL POSTS & CROSS RAILS SHALL BE 1.5" DIAMETER ALUMINUM STRUCTURAL TUBING.
13. ALUMINUM RAILING COMPONENTS SUCH AS STRUCTURAL TUBE, PIPE, AND BAR SHALL BE IN ACCORDANCE WITH ASTM B221 OR ASTM B429, ALLOY 6061-T6. THE ALUMINUM RAILING SHALL BE CLEAR ANODIZED FINISH UNLESS NOTED OTHERWISE.
14. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (ALUMINUM) ANSI/AWS D1.2 (CURRENT EDITION). ALL FIXED JOINTS SHALL BE WELDED ALL AROUND AND GROUND SMOOTH.
15. RAILING POSTS SHALL BE FABRICATED AND INSTALLED PLUMB.
16. SHOP DRAWINGS FOR THE NEW STAIRS AND HANDRAILS, DETAILING SPECIFIC SITE GEOMETRY, INCLUDING POST & EXPANSION JOINT LOCATIONS SHALL BE SUBMITTED.
17. REFER TO CONSTRUCTION NOTES ON DRAWINGS FOR ADDITIONAL REQUIREMENTS.
18. STAIRWAYS THAT EXCEED THE ALLOWABLE TOLERANCES NOTED IN THIS DETAIL WILL BE DEMOLISHED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THE OWNER WILL NOT ACCEPT PATCHED AND RETROFITTED STAIRS. ALL CONSTRUCTION SHALL BE NEW AND FINISHED TO WORKMANLIKE STANDARDS.
19. ADJACENT CONCRETE LANDINGS SHALL REST ON THE STAIR BY AT LEAST 3 INCHES. PROVIDE A SEALED EXPANSION JOINT AT THIS LOCATION

GENERAL METAL RAILING NOTES:
1. INSERT SLEEVES OR CORE DRILL INTO THE CONCRETE TO INSTALL THE NEW RAILINGS.
2. DO NOT FABRICATE RAILINGS UNTIL WALKING SURFACES HAVE BEEN SURVEYED, MEASURED, AND DETERMINED TO BE IN CONFORMANCE WITH THESE PLANS AND APPLICABLE CODES.
3. TYPICAL POSTS & TOP RAILS SHALL BE ALUMINUM STRUCTURAL TUBING. ALUMINUM RAILING COMPONENTS SUCH AS STRUCTURAL TUBE, PIPE, AND BAR SHALL BE IN ACCORDANCE WITH ASTM B221 OR ASTM B429, ALLOY 6061-T6. THE ALUMINUM RAILING SHALL BE BLACK POWDER COATED FINISH UNLESS NOTED OTHERWISE.
4. ALUMINUM RAILING COMPONENTS SUCH AS STRUCTURAL TUBE, PIPE, AND BAR SHALL BE IN ACCORDANCE WITH ASTM B221 OR ASTM B429, ALLOY 6061-T6. THE ALUMINUM RAILING SHALL BE CLEAR ANODIZED COATED FINISH UNLESS NOTED OTHERWISE.
5. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (ALUMINUM) ANSI/AWS D1.2 (CURRENT EDITION). ALL FIXED JOINTS SHALL BE WELDED ALL AROUND AND GROUND SMOOTH.
6. POSTS & BALUSTERS SHALL BE FABRICATED AND INSTALLED PLUMB.
7. SHOP DRAWINGS FOR RAILINGS, DETAILING SPECIFIC SITE GEOMETRY, SHALL BE SUBMITTED.
8. REFER TO CONSTRUCTION NOTES ON DRAWINGS FOR ADDITIONAL REQUIREMENTS.
9. PROVIDE EXPANSION JOINTS EVERY 20 FEET ALONG CONTINUOUS RAILING.
10. TYPICAL POSTS & CROSS RAILS SHALL BE 1.5" DIAMETER ALUMINUM STRUCTURAL TUBING.
11. ALUMINUM RAILING COMPONENTS SUCH AS STRUCTURAL TUBE, PIPE, AND BAR SHALL BE IN ACCORDANCE WITH ASTM B221 OR ASTM B429, ALLOY 6061-T6. THE ALUMINUM RAILING SHALL BE CLEAR ANODIZED FINISH UNLESS NOTED OTHERWISE.
12. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (ALUMINUM) ANSI/AWS D1.2 (CURRENT EDITION). ALL FIXED JOINTS SHALL BE WELDED ALL AROUND AND GROUND SMOOTH.
13. POSTS SHALL BE FABRICATED AND INSTALLED PLUMB.
14 REFER TO CONSTRUCTION NOTES ON DRAWINGS FOR ADDITIONAL REQUIREMENTS.

Civil Engineering Consultant: EEG 1634D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

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Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

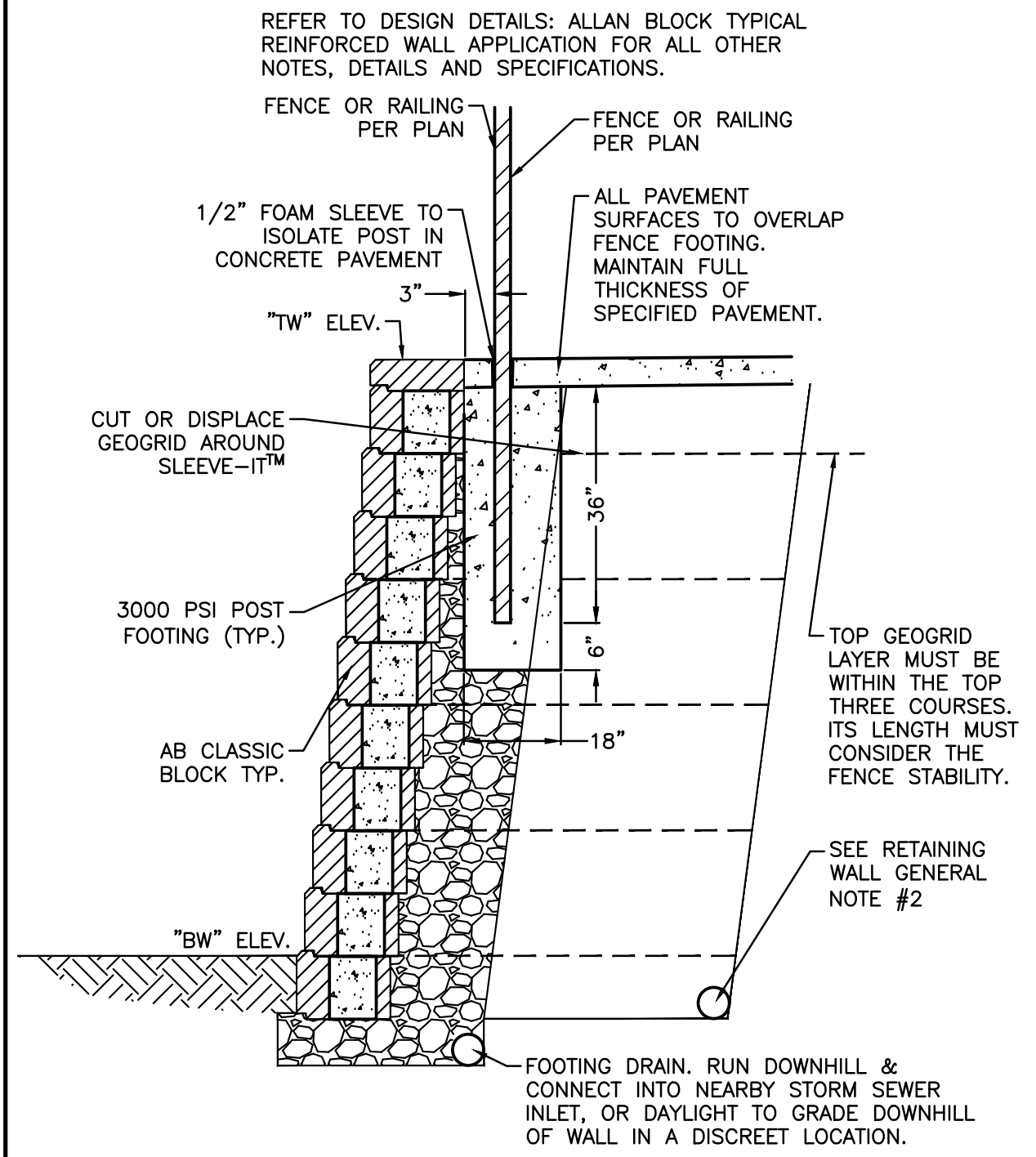
Scale

Drawing Name
DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-8.0


REFER TO DESIGN DETAILS: ALLAN BLOCK TYPICAL REINFORCED WALL APPLICATION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.
FENCE OR RAILING PER PLAN
FENCE OR RAILING PER PLAN
1/2" FOAM SLEEVE TO ISOLATE POST IN CONCRETE PAVEMENT
ALL PAVEMENT SURFACES TO OVERLAP FENCE FOOTING. MAINTAIN FULL THICKNESS OF SPECIFIED PAVEMENT.
"TW" ELEV.
CUT OR DISPLACE GEOGRID AROUND SLEEVE–IT™
3000 PSI POST FOOTING (TYP.)
AB CLASSIC BLOCK TYP.
TOP GEOGRID LAYER MUST BE WITHIN THE TOP THREE COURSES. ITS LENGTH MUST CONSIDER THE FENCE STABILITY.
SEE RETAINING WALL GENERAL NOTE #2
"BW" ELEV.
FOOTING DRAIN. RUN DOWNHILL & CONNECT INTO NEARBY STORM SEWER INLET, OR DAYLIGHT TO GRADE DOWNHILL OF WALL IN A DISCREET LOCATION.

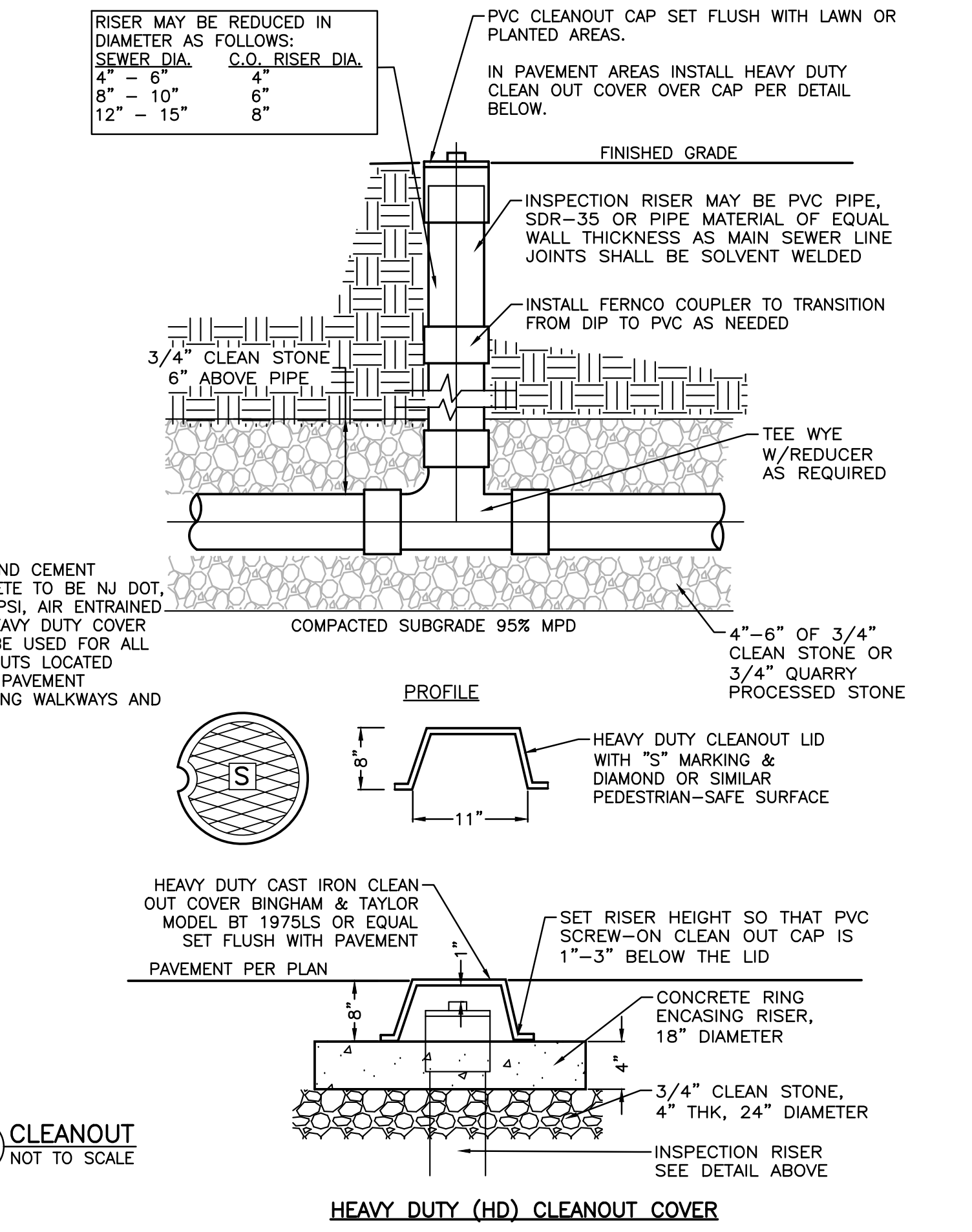
RETAINING WALL GENERAL NOTES:
BASIS OF DESIGN: ALLAN BLOCK RETAINING WALLS, AB CLASSIC BLOCKS

1. RETAINING WALL INSTALLATION SHALL CONFORM TO THE ALLAN BLOCK MODULAR RETAINING WALL SYSTEMS SPECIFICATION GUIDELINES, GEOGRID REINFORCEMENT SYSTEMS SPECIFICATION GUIDELINES, AND WATER MANAGEMENT SPECIFICATION GUIDELINES CONTAINED HEREIN OR IN THE ALLAN BLOCK SPEC BOOK, DOC. #R0901.
2. HYDROSTATIC LOADING IS NOT CONSIDERED IN THIS ANALYSIS. SUFFICIENT DRAINAGE MUST BE PROVIDED SUCH THAT HYDROSTATIC LOADING (PORE PRESSURE) DOES NOT DEVELOP IN THE REINFORCED ZONE. ADD ADDITIONAL REAR WALL DRAINAGE SYSTEM AS REQUIRED.
3. RETAINING WALLS MUST BE STAKED ACCORDING TO THE CONTRACT DRAWINGS.

SOILS NOTES:
1. SITE GEOTECHNICAL ENGINEER SHALL CERTIFY THE COMPACTION AND DENSITY OF SUBGRADE BEARING SOILS PRIOR TO WALL CONSTRUCTION.
2. ACTUAL DEPTH OF STONE FOOTING TO BE BASED ON SUITABILITY OF ON–SITE SOILS.
3. INFILL ZONE BACKFILL MATERIAL SHALL MEET THE NJ DOT GRADATION SPECIFICATION FOR DENSE GRADED AGGREGATE (DGA).

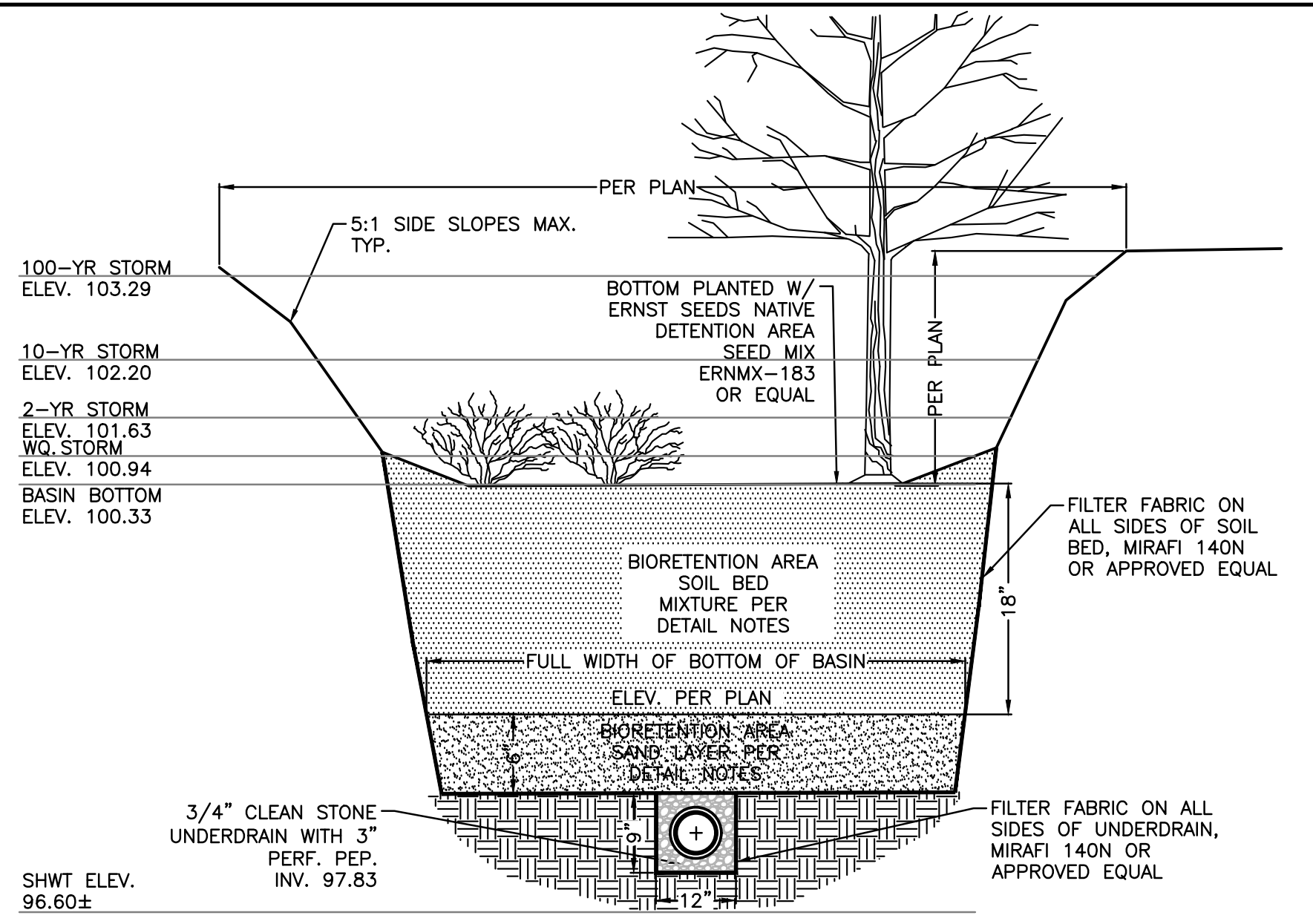
1. THIS IS NOT A FINAL DESIGN DETAIL. SITE SPECIFIC SHOP DRAWINGS OF THE APPROVED WALL SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR, PER SPECIFICATIONS. SEE NOTE 4.
2. THE MODULAR BLOCK RETAINING WALLS SHOWN ON THIS PLAN SET ARE BY ALLAN BLOCK, AB CLASSIC STYLE, OR APPROVED EQUAL.
3. THE DETAILS SHOWN ON THIS PLAN HAVE BEEN PROVIDED BY ALLAN BLOCK. THE BASIS OF DESIGN IS THE AB CLASSIC BY ALLAN BLOCK RETAINING WALLS, LOCALLY DISTRIBUTED BY CLAYTON BLOCK.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING "SITE SPECIFIC" SHOP DRAWINGS PREPARED BY A MODULAR BLOCK RETAINING WALL SYSTEM MANUFACTURER AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF NEW JERSEY.
5. GEOTECHNICAL OVERSIGHT IS REQUIRED. PLEASE REFER TO THE SPECIFICATIONS.

① MODULAR BLOCK RETAINING WALL WITH FENCE IN PAVEMENT
NOT TO SCALE


RISER MAY BE REDUCED IN DIAMETER AS FOLLOWS:
SEWER DIA. / C.O. RISER DIA.
4" – 6" / 4"
8" – 10" / 6"
12" – 15" / 8"
PVC CLEANOUT CAP SET FLUSH WITH LAWN OR PLANTED AREAS.
IN PAVEMENT AREAS INSTALL HEAVY DUTY CLEAN OUT COVER OVER CAP PER DETAIL BELOW.
FINISHED GRADE
INSPECTION RISER MAY BE PVC PIPE, SDR–35 OR PIPE MATERIAL OF EQUAL WALL THICKNESS AS MAIN SEWER LINE JOINTS SHALL BE SOLVENT WELDED
INSTALL FERNCO COUPLER TO TRANSITION FROM DIP TO PVC AS NEEDED
3/4" CLEAN STONE 6" ABOVE PIPE
TEE WYE W/REDUCER AS REQUIRED
COMPACTED SUBGRADE 95% MPD
4"–6" OF 3/4" CLEAN STONE OR 3/4" QUARRY PROCESSED STONE
PROFILE
S
8"
11"
HEAVY DUTY CLEANOUT LID WITH "S" MARKING & DIAMOND OR SIMILAR PEDESTRIAN–SAFE SURFACE
HEAVY DUTY CAST IRON CLEAN OUT COVER BINGHAM & TAYLOR MODEL BT 1975LS OR EQUAL SET FLUSH WITH PAVEMENT
PAVEMENT PER PLAN
SET RISER HEIGHT SO THAT PVC SCREW–ON CLEAN OUT CAP IS 1"–3" BELOW THE LID
CONCRETE RING ENCASING RISER, 18" DIAMETER
3/4" CLEAN STONE, 4" THK, 24" DIAMETER
INSPECTION RISER SEE DETAIL ABOVE
HEAVY DUTY (HD) CLEANOUT COVER

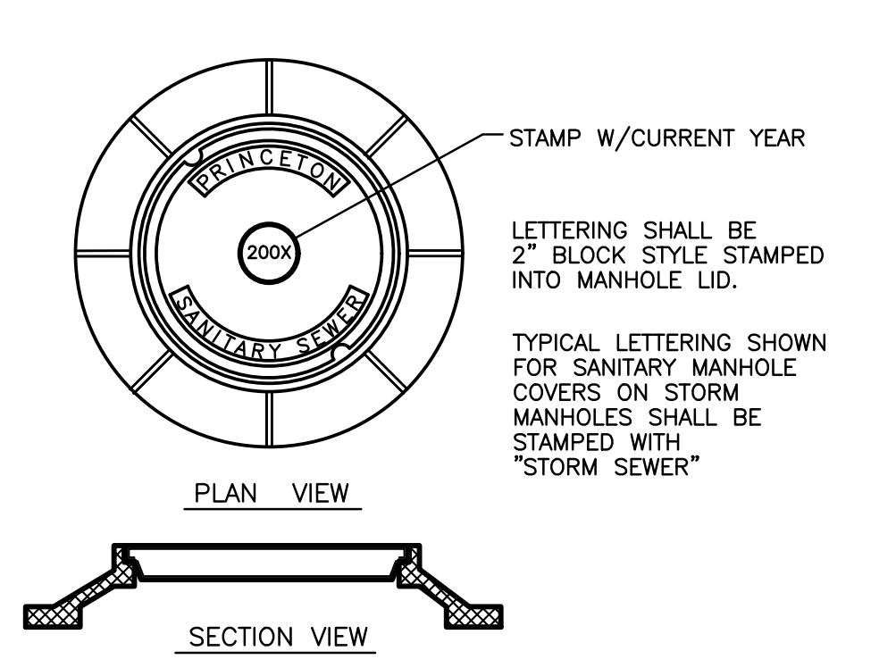
NOTES:
1. PORTLAND CEMENT CONCRETE TO BE NJ DOT, 4,000 PSI, AIR ENTRAINED
2. THE HEAVY DUTY COVER MUST BE USED FOR ALL CLEANOUTS LOCATED WITHIN PAVEMENT INCLUDING WALKWAYS AND PLAZAS

② CLEANOUT
NOT TO SCALE


PER PLAN
5:1 SIDE SLOPES MAX. TYP.
100–YR STORM ELEV. 103.29
10–YR STORM ELEV. 102.20
2–YR STORM ELEV. 101.63
WQ. STORM ELEV. 100.94
BASIN BOTTOM ELEV. 100.33
BOTTOM PLANTED W/ ERNST SEEDS NATIVE DETENTION AREA SEED MIX ERNMX–183 OR EQUAL
PER PLAN
BIORETENTION AREA SOIL BED MIXTURE PER DETAIL NOTES
FULL WIDTH OF BOTTOM OF BASIN
ELEV. PER PLAN
BIORETENTION AREA SAND LAYER PER DETAIL NOTES
FILTER FABRIC ON ALL SIDES OF SOIL BED, MIRAFI 140N OR APPROVED EQUAL
3/4" CLEAN STONE UNDERDRAIN WITH 3" PERF. PEP. INV. 97.83
SHWT ELEV. 96.60±
FILTER FABRIC ON ALL SIDES OF UNDERDRAIN, MIRAFI 140N OR APPROVED EQUAL
6"
12"
DO NOT OVER–COMPACT SUB–SOILS SCARIFY SUB–SOILS PRIOR TO PLACEMENT OF SOIL BED

NOTES:
1. THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
2. PRE–MIXED SOIL MUST BE CERTIFIED TO BE CONSISTENT WITH THE REQUIREMENT ABOVE BY EITHER THE VENDOR OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY. THE CONTENT OF ANY SOIL MIXED ON–SITE MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY; IN ADDITION, THE ENGINEER MUST BE PRESENT WHILE THE SOIL IS MIXED.
3. THE PH OF THE SOIL BED MATERIAL MUST RANGE FROM 5.5 TO 6.5.
4. THE SOIL BED MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES. ADDITIONAL MATERIALS MAY BE NECESSARY TO ACCOUNT FOR SETTLING OVER TIME.
5. THE SAND LAYER, WHICH ACTS AS A TRANSITION BETWEEN THE SOIL BED AND THE SUBSEQUENT LAYERS, MUST BE AT LEAST 6 INCHES IN DEPTH AND MUST CONSIST OF CLEAN, MEDIUM–AGGREGATE CONCRETE SAND (AASHTO M–6/ASTM C–33). TO ENSURE PROPER SYSTEM OPERATION, THE PERMEABILITY RATE OF THE SAND LAYER MUST BE AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SOIL BED.

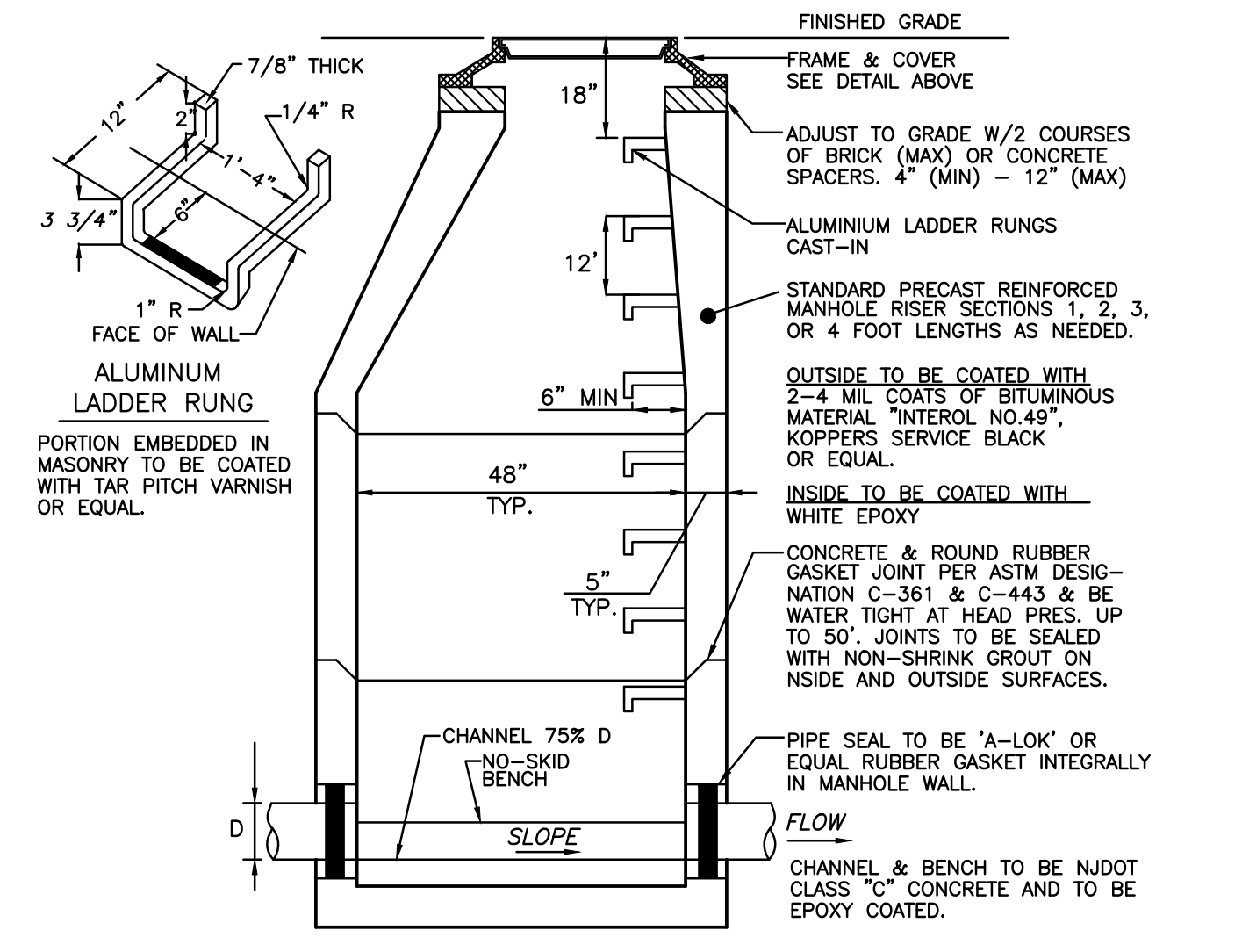
⑥ BIORETENTION AREA SECTION
NOT TO SCALE



TYPICAL LETTERING SHOWN FOR SANITARY MANHOLE COVERS ON STORM MANHOLES SHALL BE STAMPED WITH "STORM SEWER"

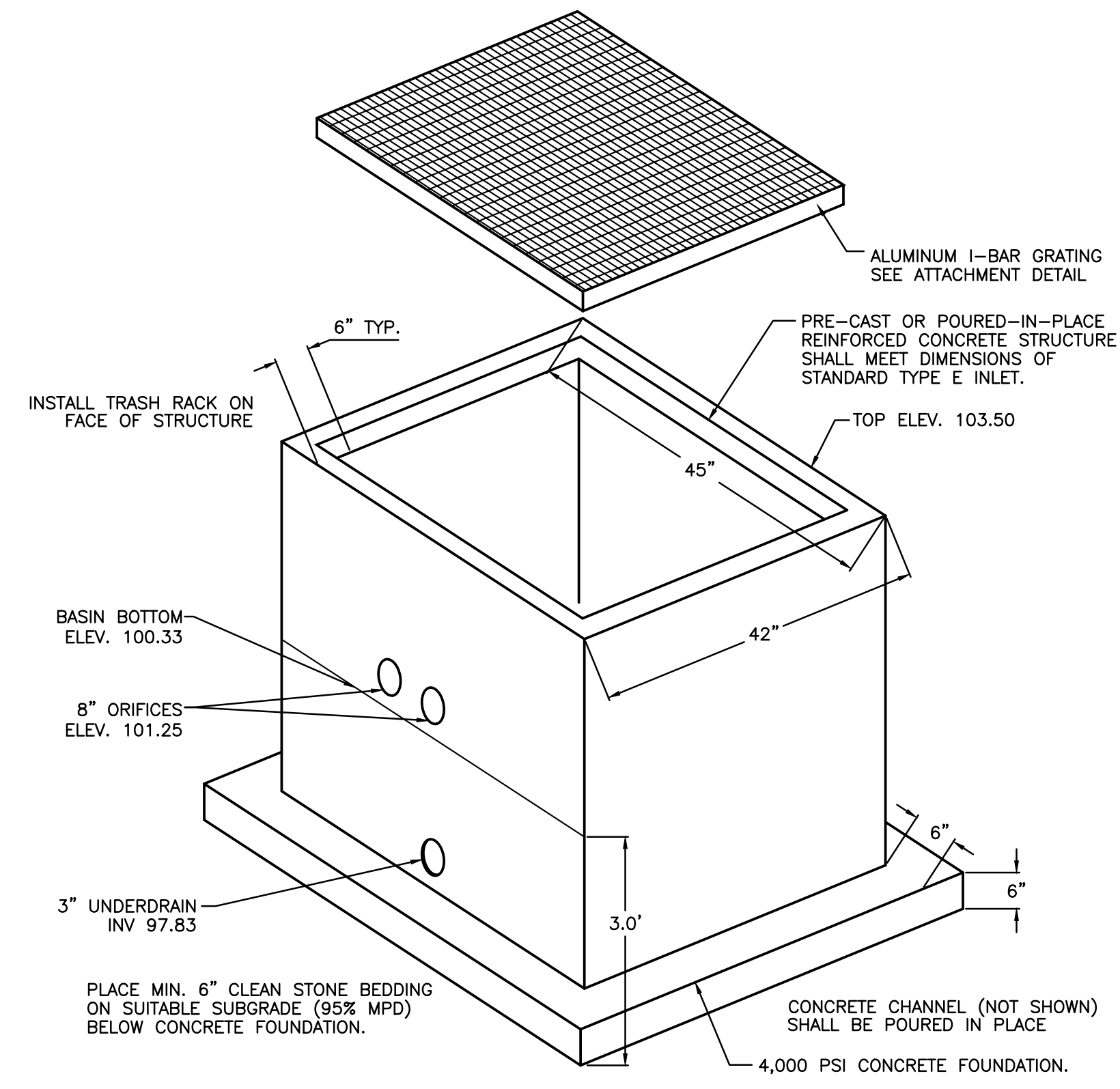
1. MANHOLE FRAME & COVER SHALL BE PATTERN NO. 1202B AS MANUFACTURED BY THE CAMPBELL FOUNDRY CO., OR APPROVED EQUAL.
2. MANHOLE FRAME AND COVER TO BE HEAVY DUTY CONFORMING TO ASTM SPECIFICATION A–48 CLASS 30–B WITH SHOP COAT OF ASPHALTIC PITCH.
3. LOCKING MANHOLE COVER SHALL BE PATTERN NO. 1487 AS MANUFACTURED BY CAMPBELL FOUNDRY CO., OR APPROVED EQUAL.
4. WATERTIGHT MANHOLE FRAME & COVER SHALL REQUIRE SIX (6) STAINLESS STEEL CAP SCREWS IN LID AND FLAT RUBBER GASKET UNDER THE LID. CAMPBELL NO. 1539B OR APPROVED EQUAL.

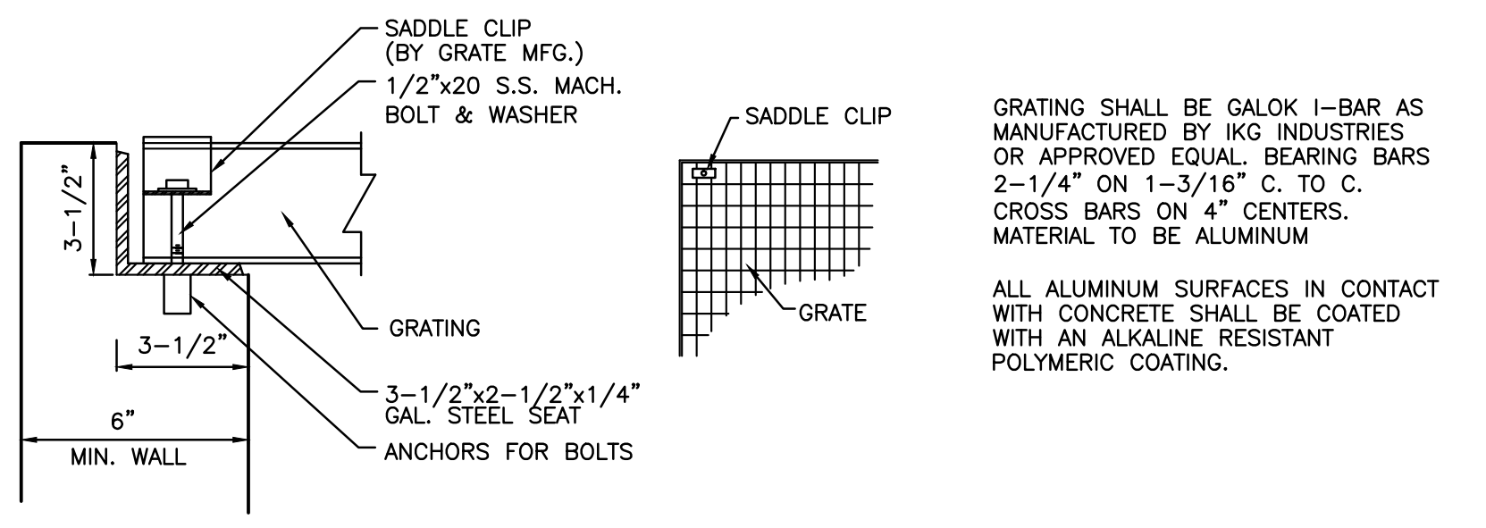
MANHOLE FRAME & COVER
N.T.S.


FINISHED GRADE
FRAME & COVER SEE DETAIL ABOVE
ADJUST TO GRADE W/2 COURSES OF BRICK (MAX) OR CONCRETE SPACERS. 4" (MIN) – 12" (MAX)
7/8" THICK
1/4" R
12"
2"
1'–4"
3 3/4"
1" R
FACE OF WALL
ALUMINUM LADDER RUNG
PORTION EMBEDDED IN MASONRY TO BE COATED WITH TAR PITCH VARNISH OR EQUAL.
18"
12"
6" MIN.
48" TYP.
5" TYP.
ALUMINUM LADDER RUNGS CAST–IN
STANDARD PRECAST REINFORCED MANHOLE RISER SECTIONS 1, 2, 3, OR 4 FOOT LENGTHS AS NEEDED
OUTSIDE TO BE COATED WITH 2–4 MIL COATS OF BITUMINOUS MATERIAL "INTEROL NO.49", KOPPERS SERVICE BLACK OR EQUAL
INSIDE TO BE COATED WITH WHITE EPOXY
CONCRETE & ROUND RUBBER GASKET JOINT PER ASTM DESIGNATION C–361 & C–443 & BE WATER TIGHT AT HEAD PRES. UP TO 50'. JOINTS TO BE SEALED WITH NON–SHRINK GROUT ON INSIDE AND OUTSIDE SURFACES.
PIPE SEAL TO BE "A–LOK" OR EQUAL RUBBER GASKET INTEGRALLY IN MANHOLE WALL.
CHANNEL 75% D
NO–SKID BENCH
D
SLOPE
FLOW
CHANNEL & BENCH TO BE NJDOT CLASS "C" CONCRETE AND TO BE EPOXY COATED.

FOOTING TO BE
3/4" CLEAN STONE (12" THK.) MH DEPTH TO 10'
3000 psi CONCRETE (12" THK.) MH DEPTH OVER 10'

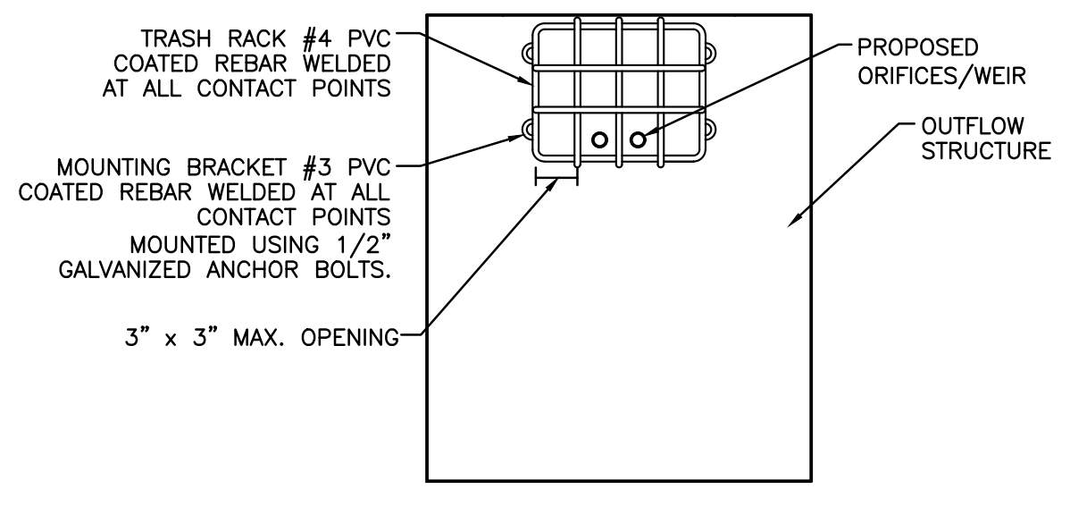
⑨ PRECAST MANHOLE
SANITARY SEWER


ALUMINUM I–BAR GRATING SEE ATTACHMENT DETAIL
6" TYP.
INSTALL TRASH RACK ON FACE OF STRUCTURE
PRE–CAST OR POURED–IN–PLACE REINFORCED CONCRETE STRUCTURE SHALL MEET DIMENSIONS OF STANDARD TYPE E INLET.
TOP ELEV. 103.50
45"
42"
BASIN BOTTOM ELEV. 100.33
8" ORIFICES ELEV. 101.25
3" UNDERDRAIN INV 97.83
6"
6"
3.0'
PLACE MIN. 6" CLEAN STONE BEDDING ON SUITABLE SUBGRADE (95% MPD) BELOW CONCRETE FOUNDATION.
CONCRETE CHANNEL (NOT SHOWN) SHALL BE POURED IN PLACE
4,000 PSI CONCRETE FOUNDATION.


SADDLE CLIP (BY GRATE MFG.)
1/2"x20 S.S. MACH. BOLT & WASHER
3–1/2"
3–1/2"
6"
MIN. WALL
GRATING
3–1/2"x2–1/2"x1/4" GAL. STEEL SEAT
ANCHORS FOR BOLTS
SADDLE CLIP
GRATE

GRATING SHALL BE GALOK I–BAR AS MANUFACTURED BY IKG INDUSTRIES OR APPROVED EQUAL. BEARING BARS 2–1/4" ON 4" CENTERS. CROSS BARS ON 4" CENTERS. MATERIAL TO BE ALUMINUM

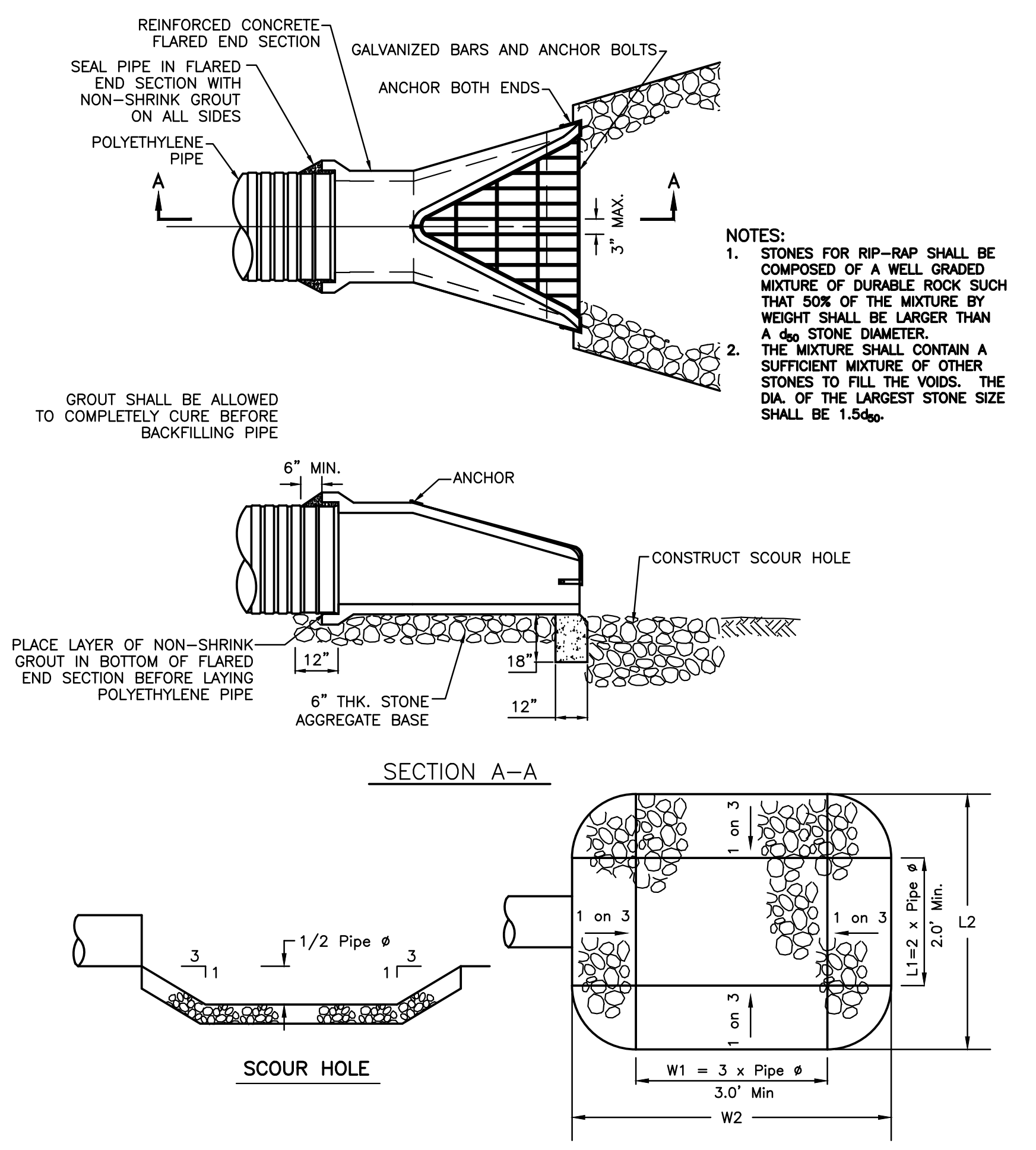
ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE COATED WITH AN ALKALINE RESISTANT POLYMERIC COATING.


TRASH RACK #4 PVC COATED REBAR WELDED AT ALL CONTACT POINTS
MOUNTING BRACKET #3 PVC COATED REBAR WELDED AT ALL CONTACT POINTS MOUNTED USING 1/2" GALVANIZED ANCHOR BOLTS.
3" x 3" MAX. OPENING
PROPOSED ORIFICES/WEIR
OUTFLOW STRUCTURE

TRASH RACK DETAIL
N.T.S.

③ ABOVE GROUND OUTFLOW STRUCTURE
NOT TO SCALE

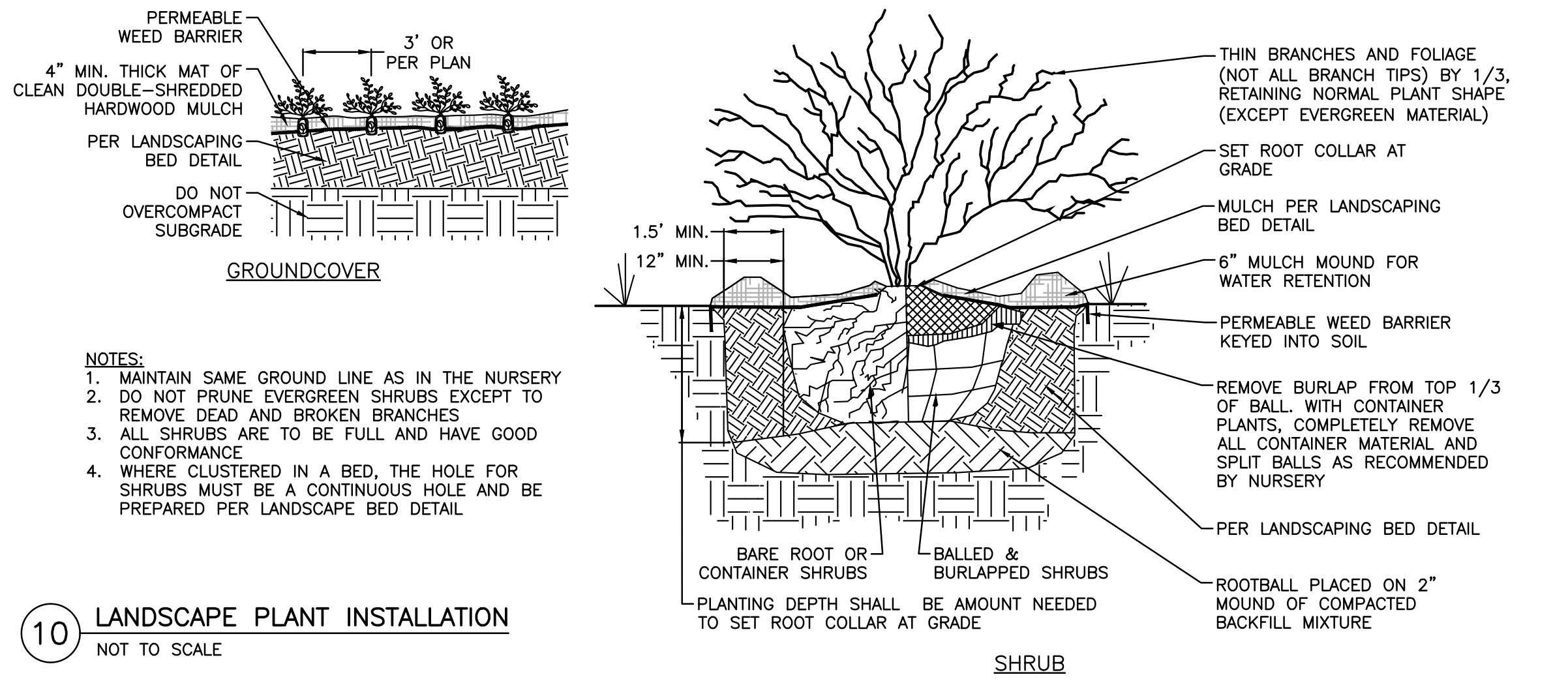
NOTES:
1. SIZE AND DIMENSIONS OF FLARED–END SECTION VARIES WITH DIAMETER AND TYPE OF PIPE.


REINFORCED CONCRETE FLARED END SECTION
SEAL PIPE IN FLARED END SECTION WITH NON–SHRINK GROUT ON ALL SIDES
POLYETHYLENE PIPE
GALVANIZED BARS AND ANCHOR BOLTS
ANCHOR BOTH ENDS
A
A
3" MAX.
GROUT SHALL BE ALLOWED TO COMPLETELY CURE BEFORE BACKFILLING PIPE
6" MIN.
ANCHOR
CONSTRUCT SCOUR HOLE
PLACE LAYER OF NON–SHRINK GROUT IN BOTTOM OF FLARED END SECTION BEFORE LAYING POLYETHYLENE PIPE
12"
18"
12"
6" THK. STONE AGGREGATE BASE
SECTION A–A
1/2 Pipe #
3
1
3
1
SCOUR HOLE
1 on 3
1 on 3
1 on 3
1 on 3
W1 = 3 x Pipe #
3.0' Min
W2
L1=2 x Pipe #
2.0' Min
L2

NOTES:
1. **STONES FOR RIP–RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF DURABLE ROCK SUCH THAT 50% OF THE MIXTURE BY WEIGHT SHALL BE LARGER THAN A d_{50} STONE DIAMETER.**
2. **THE MIXTURE SHALL CONTAIN A SUFFICIENT MIXTURE OF OTHER STONES TO FILL THE VOIDS. THE DIA. OF THE LARGEST STONE SIZE SHALL BE $1.5d_{50}$.**

⑦ CONCRETE FLARED END SECTION W/ SCOUR HOLE
NOT TO SCALE

SCOUR HOLE	D	W1	W2	L1	L2	d50	THK
15" FES	0.75'	3.75'	8.25'	2.5'	7.0'	4"	12"
12" FES	0.50'	3.0'	6.0'	2.0'	5.0'	4"	21"

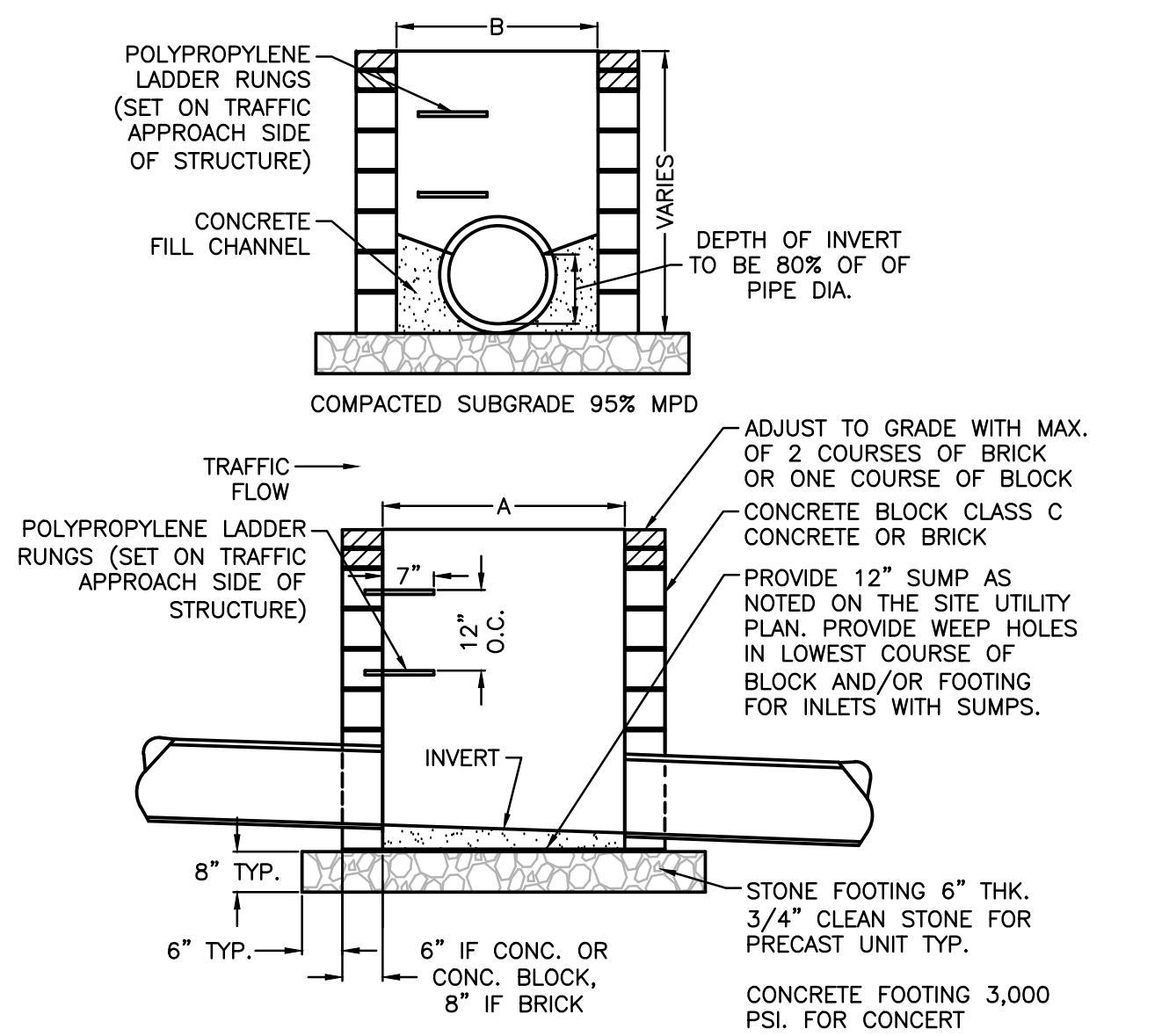

PERMEABLE WEED BARRIER
3' OR PER PLAN
4" MIN. THICK MAT OF CLEAN DOUBLE–SHREDDED HARDWOOD MULCH
PER LANDSCAPING BED DETAIL
DO NOT OVERCOMPACT SUBGRADE
GROUNDCOVER
THIN BRANCHES AND FOLIAGE (NOT ALL BRANCH TIPS) BY 1/3, RETAINING NORMAL PLANT SHAPE (EXCEPT EVERGREEN MATERIAL)
SET ROOT COLLAR AT GRADE
MULCH PER LANDSCAPING BED DETAIL
6" MULCH MOUND FOR WATER RETENTION
1.5' MIN.
12" MIN.
PERMEABLE WEED BARRIER KEYED INTO SOIL
REMOVE BURLAP FROM TOP 1/3 OF BALL. WITH CONTAINER PLANTS, COMPLETELY REMOVE ALL CONTAINER MATERIAL AND SPLIT BALLS AS RECOMMENDED BY NURSERY
PER LANDSCAPING BED DETAIL
BARE ROOT OR CONTAINER SHRUBS
BALLED & BURLAPPED SHRUBS
PLANTING DEPTH SHALL BE AMOUNT NEEDED TO SET ROOT COLLAR AT GRADE
ROOTBALL PLACED ON 2" MOUND OF COMPACTED BACKFILL MIXTURE
SHRUB

NOTES:
1. MAINTAIN SAME GROUND LINE AS IN THE NURSERY
2. DO NOT PRUNE EVERGREEN SHRUBS EXCEPT TO REMOVE DEAD AND BROKEN BRANCHES
3. ALL SHRUBS ARE TO BE FULL AND HAVE GOOD CONFORMANCE
4. WHERE CLUSTERED IN A BED, THE HOLE FOR SHRUBS MUST BE A CONTINUOUS HOLE AND BE PREPARED PER LANDSCAPE BED DETAIL

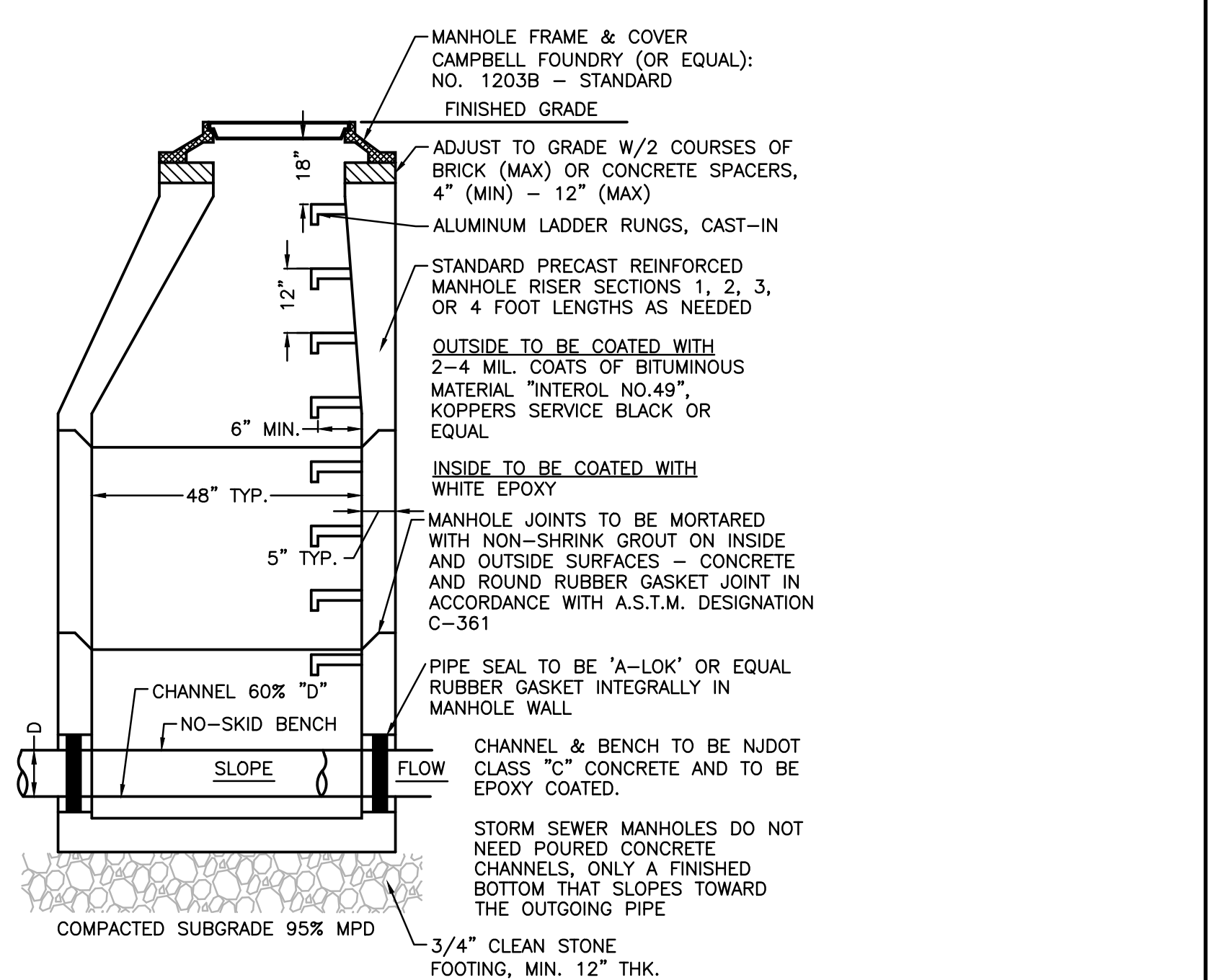
⑩ LANDSCAPE PLANT INSTALLATION
NOT TO SCALE

GENERAL NOTES:
1. FOOTING TO BE NJDOT CLASS 'C' CONCRETE, 3000 PSI. FOR PRECAST INLETS USE 6" OF 3/4" CLEAN STONE.
2. CONCRETE CHANNELS (INVERTS) TO BE NJDOT CLASS 'C' CONCRETE, 3000 PSI.
3. IF WALL CONSTRUCTION IS OTHER THAN CONCRETE, THEN THE WALLS SHALL BE PLASTERED INSIDE & OUT WITH A 1/2" THICK CEMENT PLASTER.
4. PROVIDE POLYPROPYLENE LADDER RUNGS AT 12" O.C. MAXIMUM.
5. ALL PRECAST STRUCTURES SHALL RECEIVE BITUMASTIC TAR COAT OUTSIDE ONLY.
6. CASTINGS SHALL BE CAMPBELL CASTING CO. OR AN APPROVED EQUAL. ALL CASTINGS SHALL HAVE BICYCLE SAFE GRATES.
7. PERFORM TEST PITS TO DETERMINE THE ALIGNMENT OF ALL EXISTING PIPES THAT CONNECT TO EACH INLET BEING CONSTRUCTED OR RE–CONSTRUCTED. INLETS BUILT IN PLACE MUST ALSO ACCOMMODATE EXISTING PIPES.
8. INSTALL FERNCO COUPLERS & PVC PIPE SECTIONS TO EXISTING DRAINAGE PIPES AS NEEDED TO EXTEND THE PIPES INTO EACH NEW INLET.
9. ALL INLETS SHALL CONFORM TO NJ DOT SPECIFICATIONS AND DETAILS. INLETS WITH A NJ DOT DESIGNATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH NJ DOT STANDARD DETAILS AS REFERENCED BELOW
10. ALL STRUCTURES AND CASTINGS SHALL BE RATED FOR H–20 LOADING.

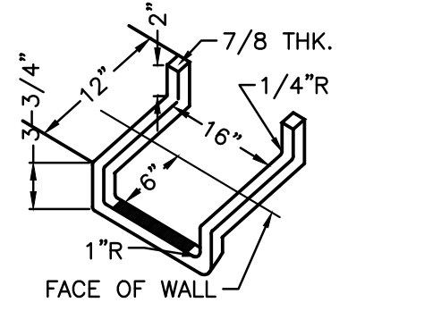
TYPE	NJ DOT SHEET#	A	B	CASTING (CAMPBELL)
GENERAL DETAILS	CD–602–1			
NJ DOT TYPE E	CD–602–4	48"	45"	3425
NJ DOT TYPE B	CD–602–2	48"	42"	NO. 2618–B WITH TYPE J CURB (HEAD) "DUMPS NO WASTE– DRAINS TO STREAM" CAST INTO IRON.
AREA DRAIN		24"	24"	3193–1400 ADA
TRENCH		VARIES	24"	4529


POLYPROPYLENE LADDER RUNGS (SET ON TRAFFIC APPROACH SIDE OF STRUCTURE)
B
CONCRETE FILL CHANNEL
VARIES
DEPTH OF INVERT TO 80% OF PIPE DIA.
COMPACTED SUBGRADE 95% MPD
TRAFFIC FLOW
POLYPROPYLENE LADDER RUNGS (SET ON TRAFFIC APPROACH SIDE OF STRUCTURE)
A
7"
12" O.C.
INVERT
ADJUST TO GRADE WITH MAX. OF 2 COURSES OF BRICK OR ONE COURSE OF BLOCK
CONCRETE BLOCK CLASS C CONCRETE OR BRICK
PROVIDE 12" SUMP AS NOTED ON THE SITE UTILITY PLAN. PROVIDE WEEP HOLES IN LOWEST COURSE OF BLOCK AND/OR FOOTING FOR INLETS WITH SUMPS.
8" TYP.
6" TYP.
6" IF CONC. OR CONC. BLOCK, 8" IF BRICK
STONE FOOTING 6" THK. 3/4" CLEAN STONE FOR PRECAST UNIT TYP.
CONCRETE FOOTING 3,000 PSI. FOR CONCERT BLOCK OR BRICK UNIT

④ INLET CONSTRUCTION
NOT TO SCALE

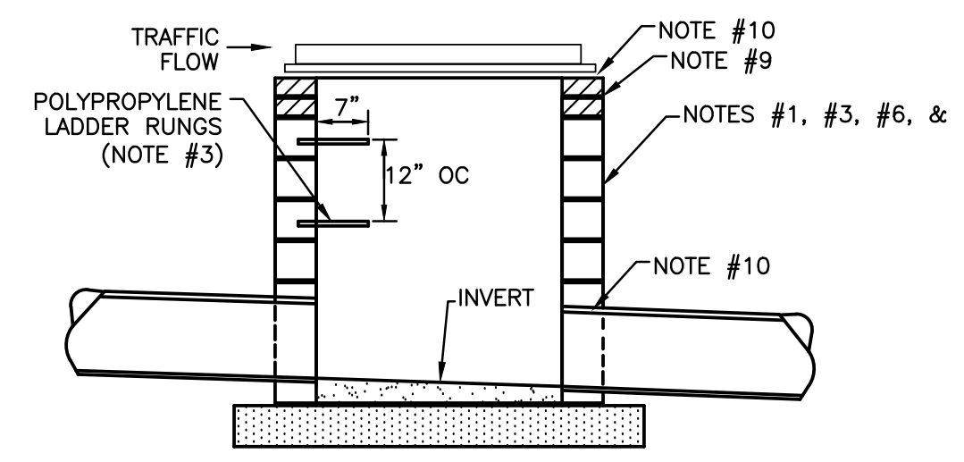

MANHOLE FRAME & COVER CAMPBELL FOUNDRY (OR EQUAL): NO. 1203B – STANDARD
FINISHED GRADE
ADJUST TO GRADE W/2 COURSES OF BRICK (MAX) OR CONCRETE SPACERS, 4" (MIN) – 12" (MAX)
ALUMINUM LADDER RUNGS, CAST–IN
STANDARD PRECAST REINFORCED MANHOLE RISER SECTIONS 1, 2, 3, OR 4 FOOT LENGTHS AS NEEDED
OUTSIDE TO BE COATED WITH 2–4 MIL. COATS OF BITUMINOUS MATERIAL "INTEROL NO.49", KOPPERS SERVICE BLACK OR EQUAL
INSIDE TO BE COATED WITH WHITE EPOXY
MANHOLE JOINTS TO BE MORTARED WITH NON–SHRINK GROUT ON INSIDE AND OUTSIDE SURFACES – CONCRETE AND ROUND RUBBER GASKET JOINT IN ACCORDANCE WITH A.S.T.M. DESIGNATION C–361
PIPE SEAL TO BE "A–LOK" OR EQUAL RUBBER GASKET INTEGRALLY IN MANHOLE WALL.
CHANNEL & BENCH TO BE NJDOT CLASS "C" CONCRETE AND TO BE EPOXY COATED.
STORM SEWER MANHOLES DO NOT NEED POURED CONCRETE CHANNELS, ONLY A FINISHED BOTTOM THAT SLOPES TOWARD THE OUTGOING PIPE
18"
12"
6" MIN.
48" TYP.
5" TYP.
CHANNEL 60% "D"
NO–SKID BENCH
SLOPE
FLOW
D
COMPACTED SUBGRADE 95% MPD
3/4" CLEAN STONE FOOTING, MIN. 12" THK.

ALUMINUM LADDER RUNG:
PORTION EMBEDDED IN MASONRY TO BE COATED WITH TAR PITCH VARNISH OR EQUAL.
ATLANTIC CONCRETE PRODUCTS CO. (OR EQUAL) TYPE 6061–T6
POLYPROPYLENE PLASTIC – M.A. INDUSTRIES INC. NO. PS–4–B (OR EQUAL) WITH 1/2" GRADE 60 STEEL REINFORCEMENT

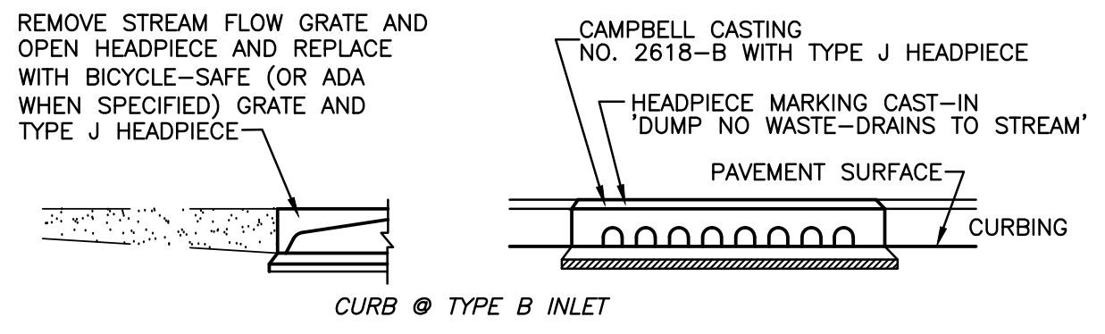


⑤ PRECAST MANHOLE–STORM SEWER
NOT TO SCALE

GENERAL NOTES
1. INSPECT CHAMBER WALL FOR MISSING OR LOOSE BLOCK AND REMOVE SAME. IT MAY BE NECESSARY TO REMOVE SOLID BLOCK TO ACCESS LOOSE BLOCK.
2. CLEAN BLOCK OF ALL MORTAR. REPLACE ANY BLOCK THAT CANNOT BE RE–USED. RE–MORTAR BLOCKS TO EXISTING WALLS USING MORTAR PER PROJECT SPECIFICATIONS.
3. PROVIDE POLYPROPYLENE LADDER RUNGS AT 12" O.C. MAXIMUM. INCLUDE UP TO 4 LADDER RUNGS PER STRUCTURE.
4. REPLACE OPEN TYPE B INLET HEAD PIECES WITH THE ECO FRIENDLY STYLE SHOWN BELOW.
5. REPLACE STREAM FLOW GRATE WITH BICYCLE SAFE GRATES. USE ADA GRATES WHEN LOCATED WITHIN WALKWAYS AND SIMILAR PEDESTRIAN AREAS.
6. INCLUDE ALL EXCAVATION COST TO EXPOSE THE EXTERIOR OF THE CHAMBER AS NEEDED TO REPAIR THE STRUCTURE & BACKFILL WITH DGA PER NJ DOT SPECS.
7. SAWCUT PAVEMENT AROUND EACH INLET/MANHOLE AS NEEDED. DEMOLISH PAVEMENT TO THE EXTENT NEEDED FOR RECONSTRUCTION WORK.
8. BACKFILL AROUND THE STRUCTURE WITH COMPACTED DENSE GRADED AGGREGATE AND RECONSTRUCT WITH FULL DEPTH HEAVY DUTY PAVEMENT CROSS SECTION.
9. ADD/REMOVE BRICK (OR PRE–CAST RINGS) AS NEEDED TO RESET THE CASTING TO FINAL GRADE, PER THE GRADING & DRAINAGE PLANS
10. RE–MORTAR CASTING TO STRUCTURE AND SEAL ALL GAPS AROUND CONNECTING PIPES.
11. WHEN CHANGING CASTING DESIGNATIONS (I.E. TYPE "B" TO TYPE "E") MEASURE THE STRUCTURE TO VERIFY INNER AND OUTER DIMENSIONS BEFORE ORDERING NEW CASTINGS.

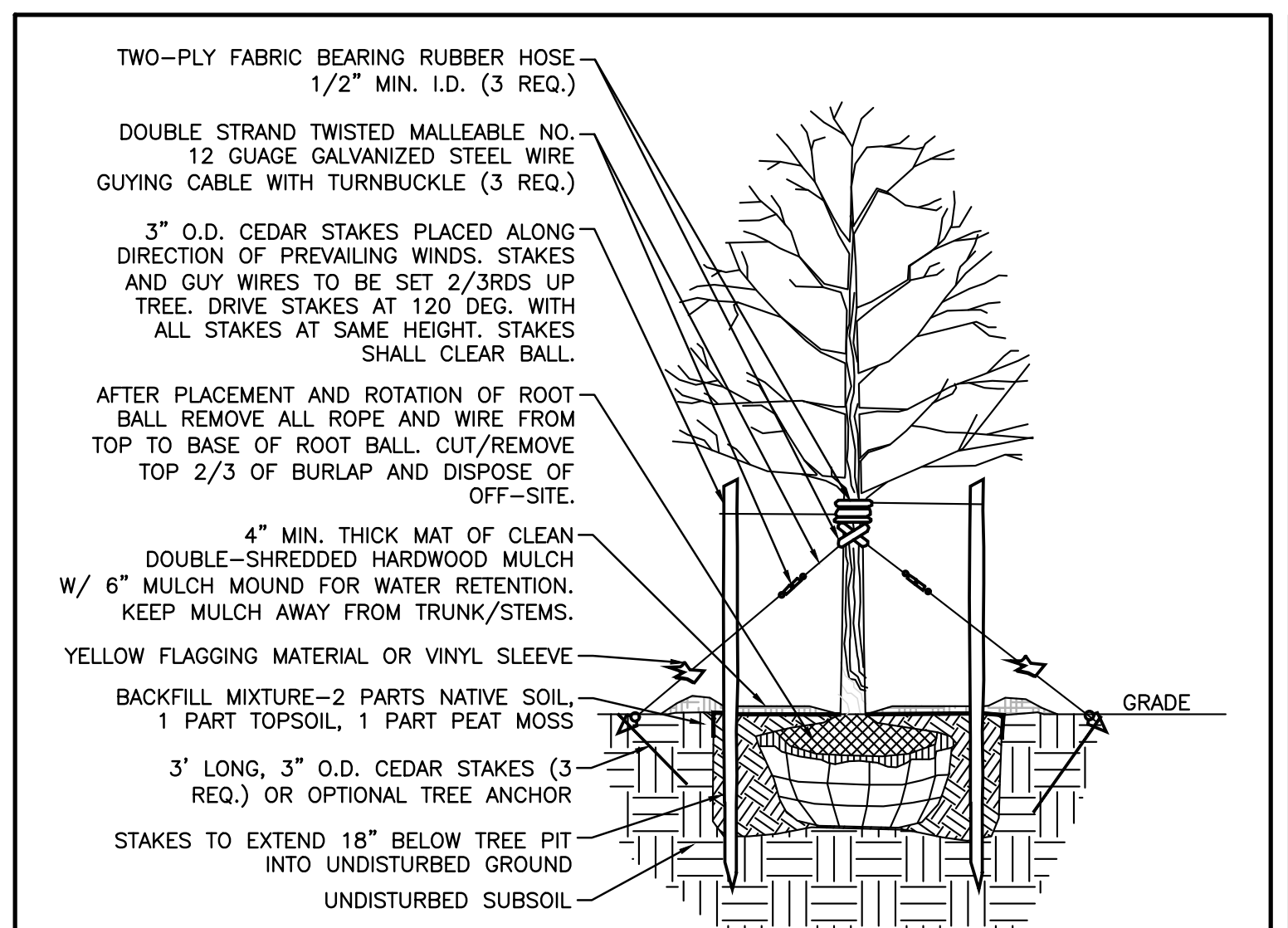


INLET CROSS SECTION


REMOVE STREAM FLOW GRATE AND OPEN HEADPIECE AND REPLACE WITH BICYCLE–SAFE (OR ADA WHEN SPECIFIED) GRATE AND TYPE J HEADPIECE
CAMPBELL CASTING NO. 2618–B WITH TYPE J HEADPIECE
HEADPIECE MARKING CAST–IN "DUMP NO WASTE–DRAINS TO STREAM"
PAVEMENT SURFACE
CURBING

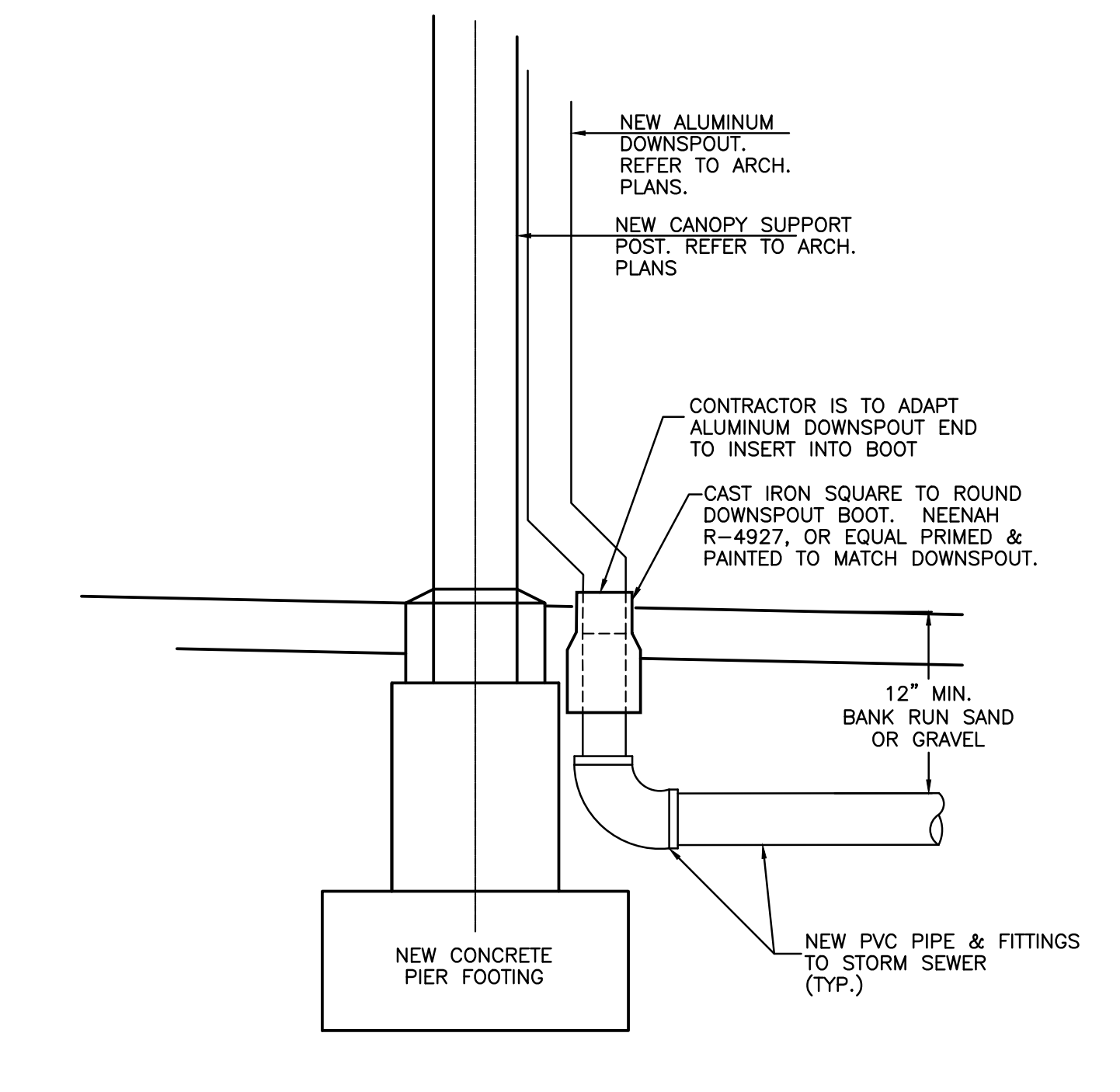
CURB & TYPE B INLET

⑧ INLET RECONSTRUCTION
NOT TO SCALE

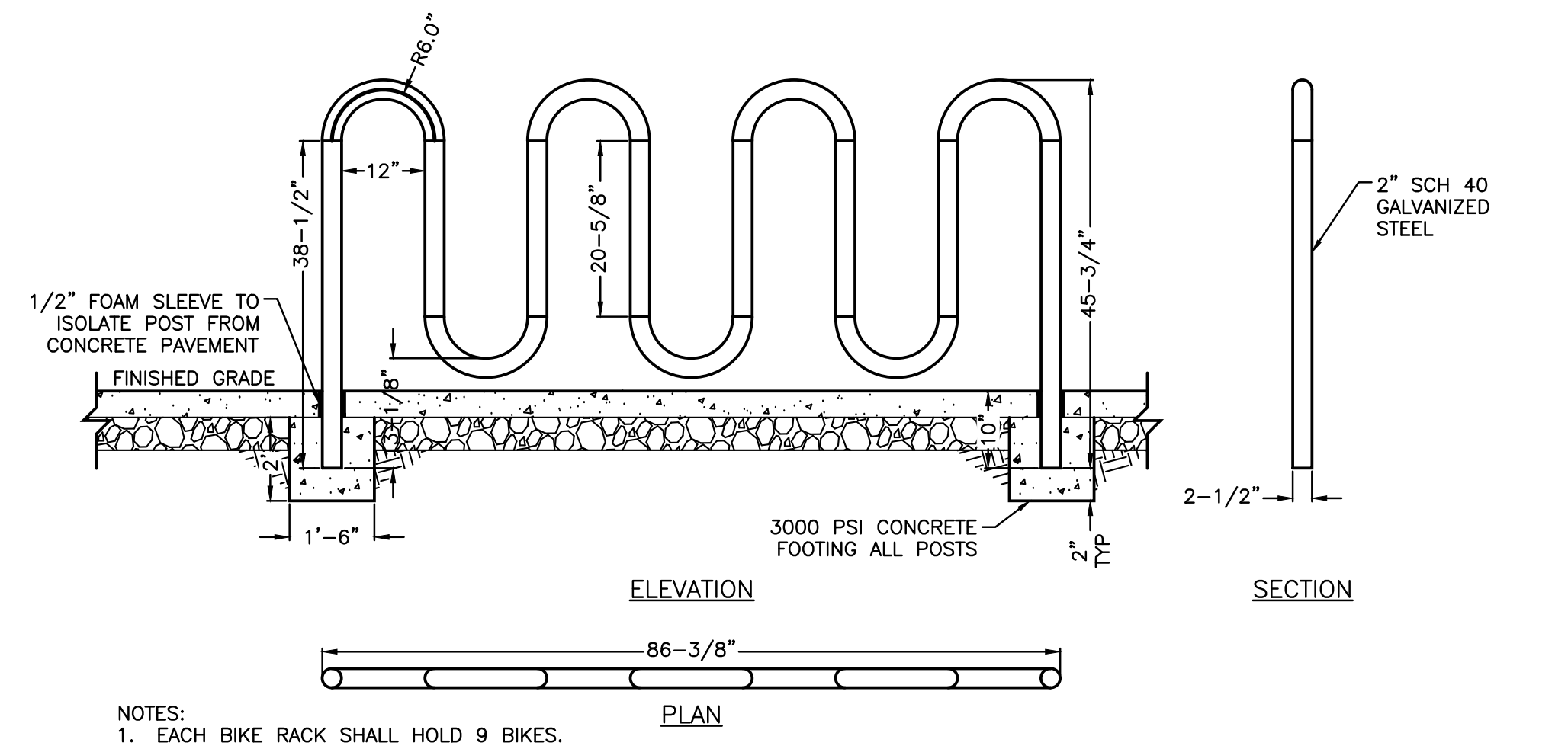

TWO–PLY FABRIC BEARING RUBBER HOSE 1/2" MIN. I.D. (3 REQ.)
DOUBLE STRAND TWISTED MALLEABLE NO. 12 GUAGE GALVANIZED STEEL WIRE GUYING CABLE WITH TURNBUCKLE (3 REQ.)
3" O.D. CEDAR STAKES PLACED ALONG DIRECTION OF PREVAILING WINDS. STAKES AND GUY WIRES TO BE SET 2/3RDS UP TREE. DRIVE STAKES AT 120 DEG. WITH ALL STAKES AT SAME HEIGHT. STAKES SHALL CLEAR BALL.
AFTER PLACEMENT AND ROTATION OF ROOT BALL REMOVE ALL ROPE AND WIRE FROM TOP TO BASE OF ROOT BALL. CUT/REMOVE TOP 2/3 OF BURLAP AND DISPOSE OF OFF–SITE.
4" MIN. THICK MAT OF CLEAN DOUBLE–SHREDDED HARDWOOD MULCH W/ 6" MULCH MOUND FOR WATER RETENTION. KEEP MULCH AWAY FROM TRUNK/STEMS.
YELLOW FLAGGING MATERIAL OR VINYL SLEEVE
BACKFILL MIXTURE–2 PARTS NATIVE SOIL, 1 PART TOPSOIL, 1 PART PEAT MOSS
3' LONG, 3" O.D. CEDAR STAKES (3 REQ.) OR OPTIONAL TREE ANCHOR
STAKES TO EXTEND 18" BELOW TREE PIT INTO UNDISTURBED GROUND
UNDISTURBED SUBSOIL
GRADE

NOTES:
1. LEADER OF TREES SHALL NEVER BE CUT.
2. STAKING IS REQUIRED FOR ALL DECIDUOUS TREES UNDER 3" IN CALIPER AND ALL EVERGREEN TREES UNDER 8' IN HEIGHT.
3. GUYING IS REQUIRED FOR ALL DECIDUOUS TREES 3" IN CALIPER AND GREATER AND ALL EVERGREEN TREES OVER 8' IN HEIGHT.
4. DECIDUOUS TREES SHALL BE PRUNED TO THIN AND SHAPE CANOPY. EVERGREEN TREES SHALL HAVE ONLY DAMAGED OR BROKEN BRANCHES REMOVED.
5. TREE SHALL BEAR SAME RELATION TO GRADE AS IT BORE TO PREVIOUS GRADE IN THE NURSERY.

⑪ TREE INSTALLATION
NOT TO SCALE


NEW ALUMINUM DOWNSPOUT. REFER TO ARCH. PLANS.
NEW CANOPY SUPPORT POST. REFER TO ARCH. PLANS
CONTRACTOR IS TO ADJUST ALUMINUM DOWNSPOUT END TO INSERT INTO BOOT
CAST IRON SQUARE TO ROUND DOWNSPOUT BOOT. NEENAH R–4927, OR EQUAL PRIMED & PAINTED TO MATCH DOWNSPOUT.
12" MIN. BANK RUN SAND OR GRAVEL
NEW CONCRETE PIER FOOTING
NEW PVC PIPE & FITTINGS TO STORM SEWER (TYP.)

⑫ CANOPY DRAIN LEADER CONNECTION
NOT TO SCALE


R6.0"
12"
38–1/2"
20–5/8"
45–3/4"
1/2" FOAM SLEEVE TO ISOLATE POST FROM CONCRETE PAVEMENT
FINISHED GRADE
1'–6"
3000 PSI CONCRETE FOOTING ALL POSTS
2" TYP
10"
2" SCH 40 GALVANIZED STEEL
2–1/2"
ELEVATION
SECTION
86–3/8"
PLAN

NOTES:
1. EACH BIKE RACK SHALL HOLD 9 BIKES.
2. RACK MUST BE MADE OF GALVANIZED, RUST–RESISTANT, HEAVY DUTY STEEL.
3. BIKE RACK SHALL BE PARK WAREHOUSE 9 BIKE SONIC WAVE RACK (900br165) OR APPROVED EQUAL. REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION

⑬ PERMANENT STEEL BIKE RACK
NOT TO SCALE

Civil Engineering Consultant: EEG 1634D

EDWARDS
ENGINEERING
GROUP
AN L2A COMPANY

Beth E Kenderdine 02.12.26
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532

NJDCA Electronic Release Stamp

FVHD architects planners
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Corporate: 1515 Lower Ferry Road
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Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

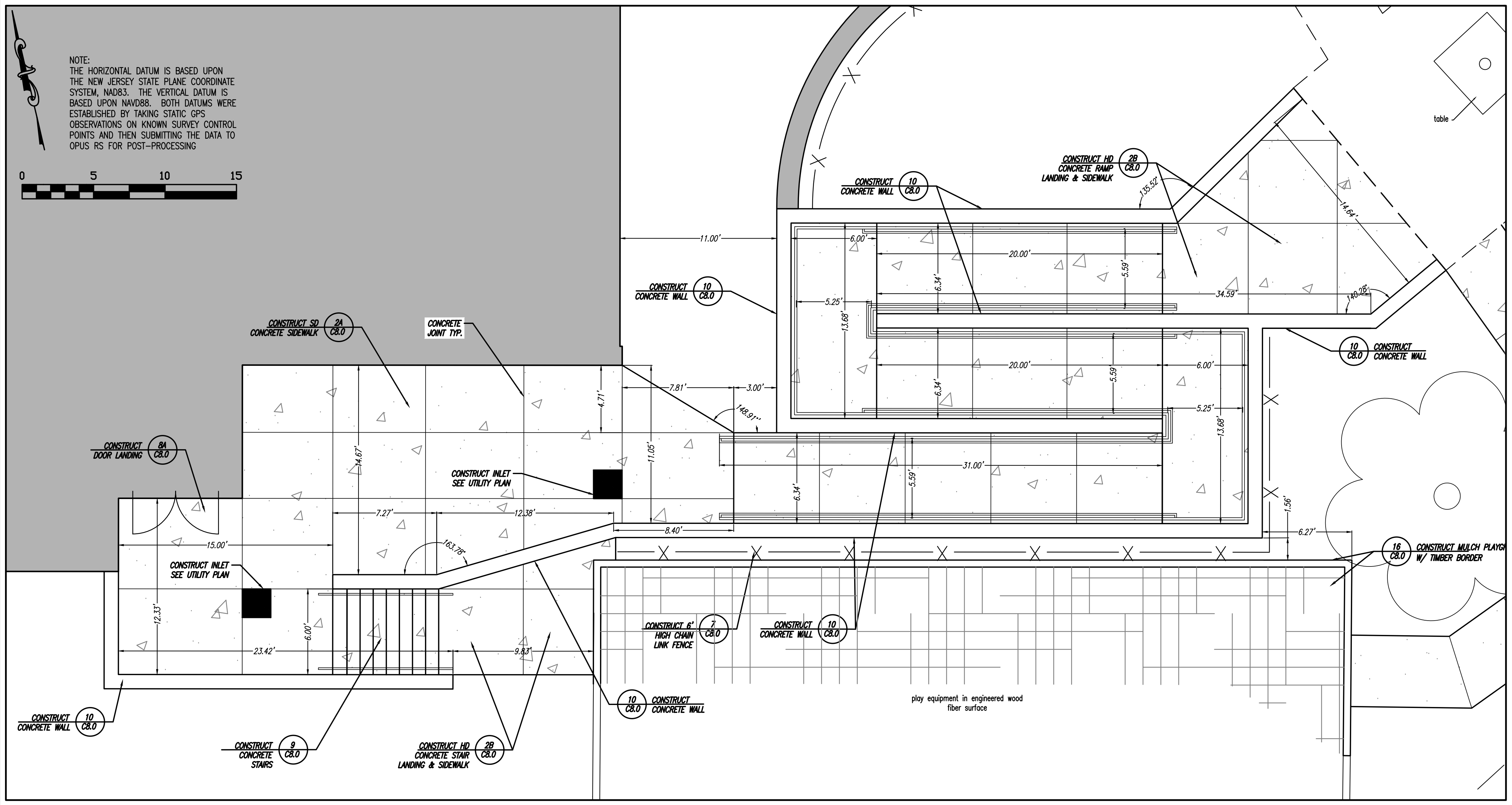
Scale

Drawing Name
DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-8.1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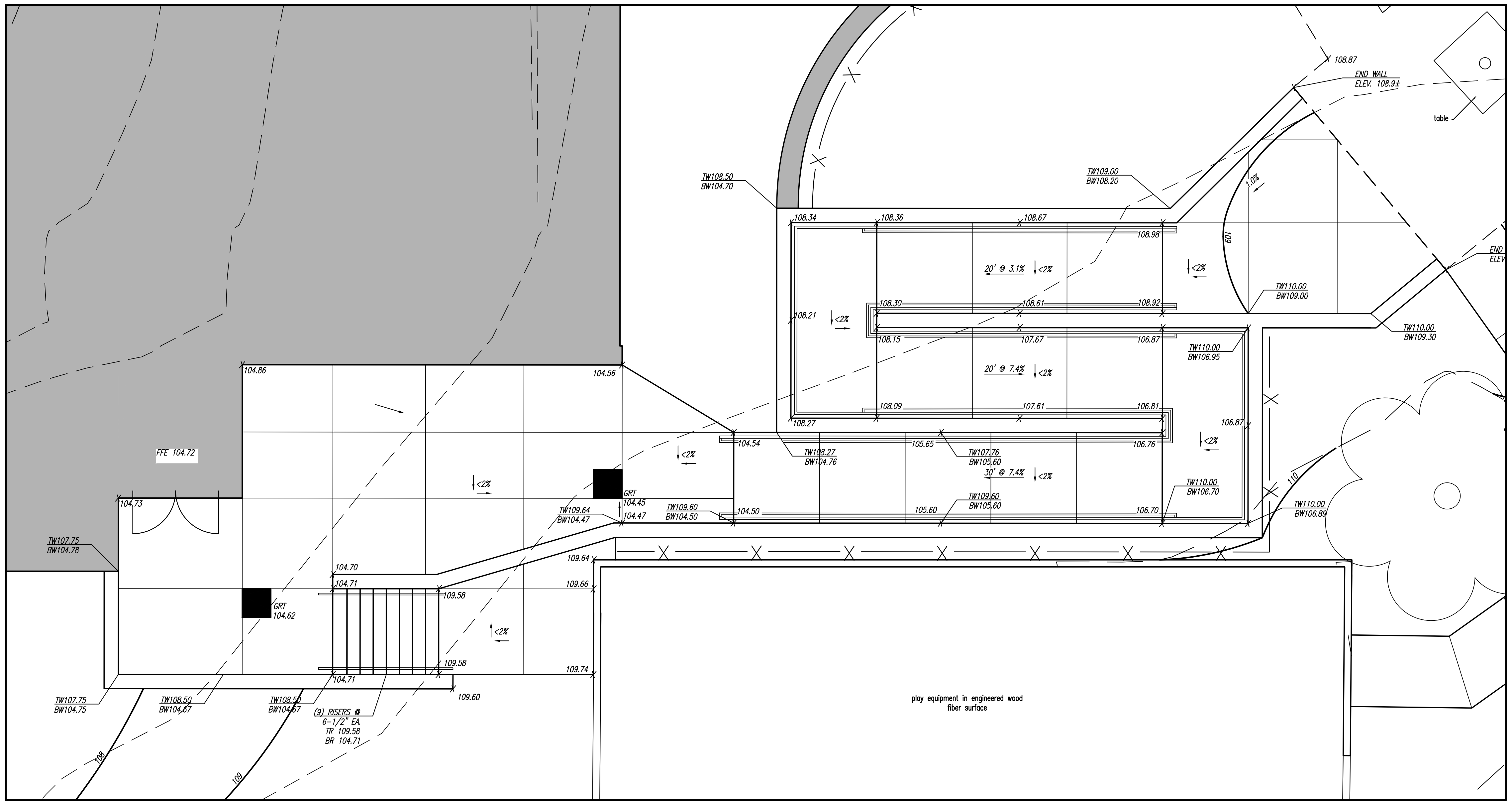
0 5 10 15
CONSTRUCT CONCRETE WALL 10 C8.0
CONSTRUCT HD CONCRETE RAMP LANDING & SIDEWALK 2B C8.0
CONSTRUCT SD CONCRETE SIDEWALK 2A C8.0
CONCRETE JOINT TYP.
CONSTRUCT DOOR LANDING 2B C8.0
CONSTRUCT INLET SEE UTILITY PLAN
CONSTRUCT 6' HIGH CHAIN LINK FENCE 7 C8.0
CONSTRUCT MULCH PLAYGROUND W/ TIMBER BORDER 16 C8.0
CONSTRUCT CONCRETE STAIRS 3
CONSTRUCT HD CONCRETE STAIR LANDING & SIDEWALK 2B C8.0
play equipment in engineered wood fiber surface
table

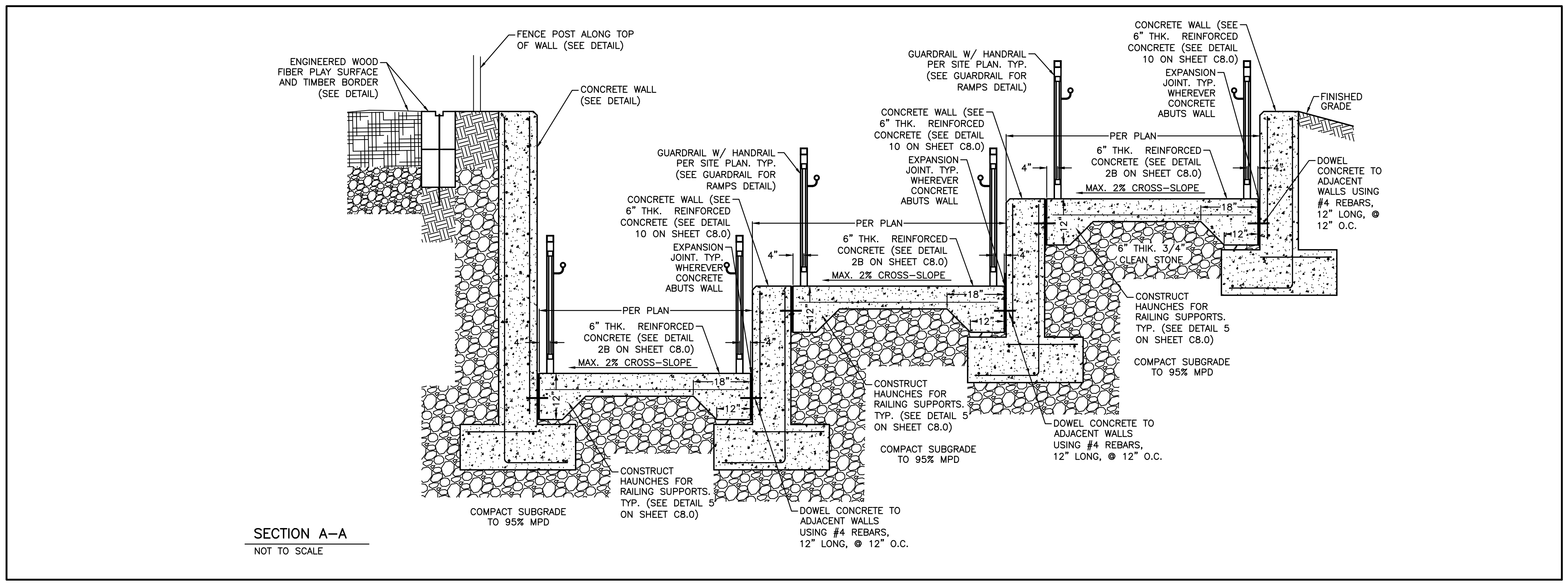
ENTRANCE 1 SITE PLAN

SCALE: 1"=5'

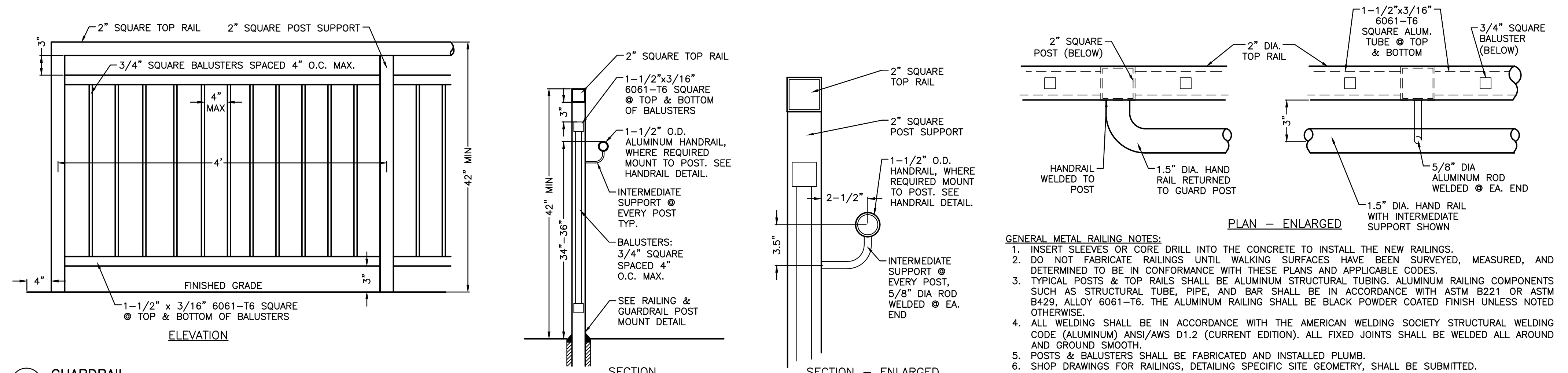


ENTRANCE 1 GRADING PLAN

SCALE: 1"=5'


ENGINEERED WOOD FIBER PLAY SURFACE AND TIMBER BORDER (SEE DETAIL)
FENCE POST ALONG TOP OF WALL (SEE DETAIL)
CONCRETE WALL (SEE DETAIL)
GUARDRAIL W/ HANDRAIL PER SITE PLAN. TYP. (SEE GUARDRAIL FOR RAMPS DETAIL)
CONCRETE WALL (SEE 6" THK. REINFORCED CONCRETE (SEE DETAIL 10 ON SHEET C8.0)
EXPANSION JOINT. TYP. WHEREVER CONCRETE ABUTS WALL
PER PLAN
6" THK. REINFORCED CONCRETE (SEE DETAIL 2B ON SHEET C8.0)
MAX. 2% CROSS-SLOPE
6" THK. 3/4" CLEAN STONE
CONSTRUCT HAUNCHES FOR RAILING SUPPORTS. TYP. (SEE DETAIL 5 ON SHEET C8.0)
COMPACT SUBGRADE TO 95% MPD
DOWEL CONCRETE TO ADJACENT WALLS USING #4 REBARS, 12" LONG, @ 12" O.C.
FINISHED GRADE
12" 18"

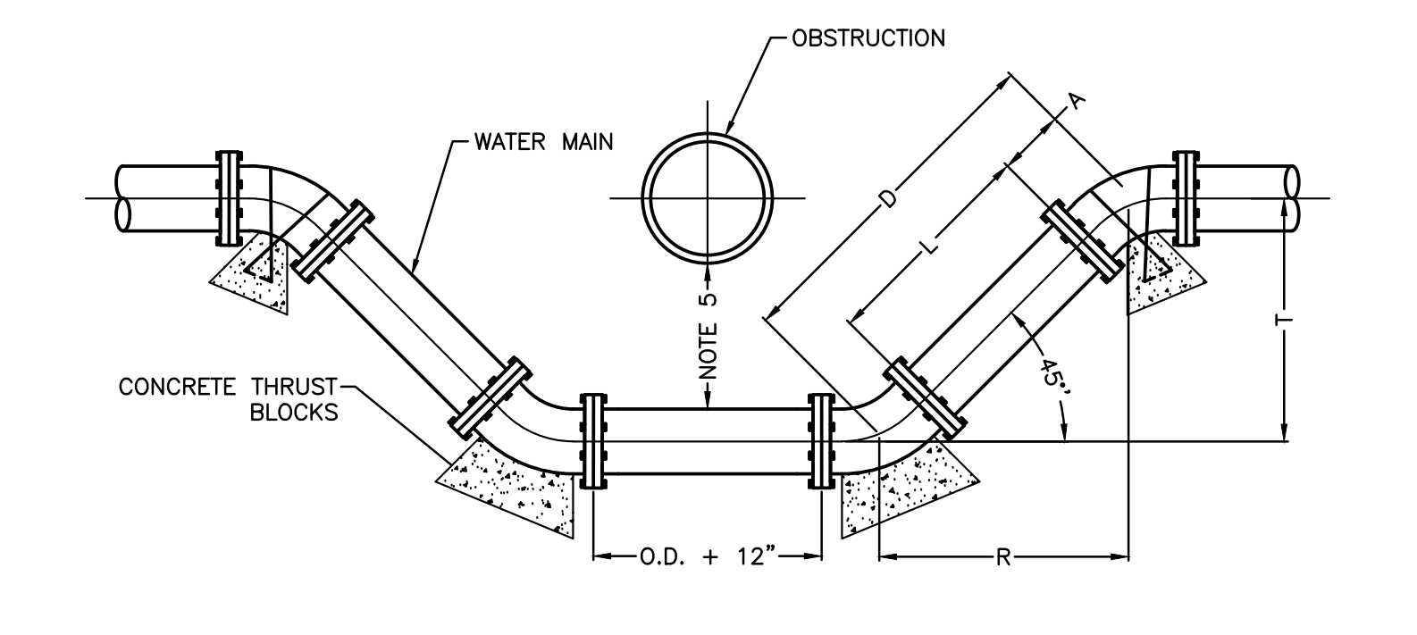
SECTION A-A
NOT TO SCALE


2" SQUARE TOP RAIL
2" SQUARE POST SUPPORT
3/4" SQUARE BALUSTERS SPACED 4" O.C. MAX.
4" MAX
4'
42" MIN
3"
4"
FINISHED GRADE
1-1/2" x 3/16" 6061-T6 SQUARE @ TOP & BOTTOM OF BALUSTERS
ELEVATION
1-1/2"x3/16" 6061-T6 SQUARE @ TOP & BOTTOM OF BALUSTERS
1-1/2" O.D. ALUMINUM HANDRAIL, WHERE REQUIRED MOUNT TO POST. SEE HANDRAIL DETAIL.
INTERMEDIATE SUPPORT @ EVERY POST TYP.
BALUSTERS: 3/4" SQUARE SPACED 4" O.C. MAX.
SEE RAILING & GUARDRAIL POST MOUNT DETAIL
42" MIN
34"-36"
SECTION
2" SQUARE TOP RAIL
2" SQUARE POST SUPPORT
2-1/2"
3.5"
1-1/2" O.D. HANDRAIL, WHERE REQUIRED MOUNT TO POST. SEE HANDRAIL DETAIL.
INTERMEDIATE SUPPORT @ EVERY POST, 5/8" DIA ROD WELDED @ EA. END
SECTION - ENLARGED
2" SQUARE POST (BELOW)
2" DIA. TOP RAIL
1-1/2"x3/16" 6061-T6 SQUARE ALUM. TUBE @ TOP & BOTTOM
3/4" SQUARE BALUSTER (BELOW)
HANDRAIL WELDED TO POST
1.5" DIA. HAND RAIL RETURNED TO GUARD POST
5/8" DIA ALUMINUM ROD WELDED @ EA. END
1.5" DIA. HAND RAIL WITH INTERMEDIATE SUPPORT SHOWN
PLAN - ENLARGED

GENERAL METAL RAILING NOTES:

1. INSERT SLEEVES OR CORE DRILL INTO THE CONCRETE TO INSTALL THE NEW RAILINGS.
2. DO NOT FABRICATE RAILINGS UNTIL WALKING SURFACES HAVE BEEN SURVEYED, MEASURED, AND DETERMINED TO BE IN CONFORMANCE WITH THESE PLANS AND APPLICABLE CODES.
3. TYPICAL POSTS & TOP RAILS SHALL BE ALUMINUM STRUCTURAL TUBING. ALUMINUM RAILING COMPONENTS SUCH AS STRUCTURAL TUBE, PIPE, AND BAR SHALL BE IN ACCORDANCE WITH ASTM B221 OR ASTM B429, ALLOY 6061-T6. THE ALUMINUM RAILING SHALL BE BLACK POWDER COATED FINISH UNLESS NOTED OTHERWISE.
4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (ALUMINUM) ANSI/AWS D1.2 (CURRENT EDITION). ALL FIXED JOINTS SHALL BE WELDED ALL AROUND AND GROUND SMOOTH.
5. POSTS & BALUSTERS SHALL BE FABRICATED AND INSTALLED PLUMB.
6. SHOP DRAWINGS FOR RAILINGS, DETAILING SPECIFIC SITE GEOMETRY, SHALL BE SUBMITTED.
7. REFER TO CONSTRUCTION NOTES ON DRAWINGS FOR ADDITIONAL REQUIREMENTS.
8. PROVIDE EXPANSION JOINTS EVERY 20 FEET ALONG CONTINUOUS RAILING.

① GUARDRAIL
NOT TO SCALE



1. WATER MAIN MAY BE LOOPED ABOVE OBSTRUCTION, IF 3' MINIMUM COVER IS MAINTAINED ABOVE WATER MAIN.
2. WATER MAIN SHALL BE DUCTILE IRON CEMENT LINED PIPE, ALL JOINTS SHALL BE MECHANICAL JOINT OR PUSH-ON AND ALL FITTINGS BE MECHANICALLY JOINT CAST IRON.
3. OFFSETS MAY BE SUBSTITUTED FOR A "T" OF UP TO 24' IF APPROVED BY THE ENGINEER.
4. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS OR OTHER POINTS OF PIPE DIRECTION CHANGE.
5. MINIMUM CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN SHALL BE 18" MIN. CLEARANCE BETWEEN WATER MAIN AND OTHER OBSTRUCTIONS SHALL BE 6".
6. TIE RODS SHALL BE UTILIZED TO RESTRAIN PIPE JOINTS. DETAILS OF THE TIE ROD ASSEMBLY SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. TIE RODS SHALL BE SUFFICIENT TO RESTRAIN THE THRUST DEVELOPED AT 100 PSI WORKING PRESSURE. MEGALUG RESTRAINT ALSO ACCEPTABLE IN PLACE OF TIE RODS.

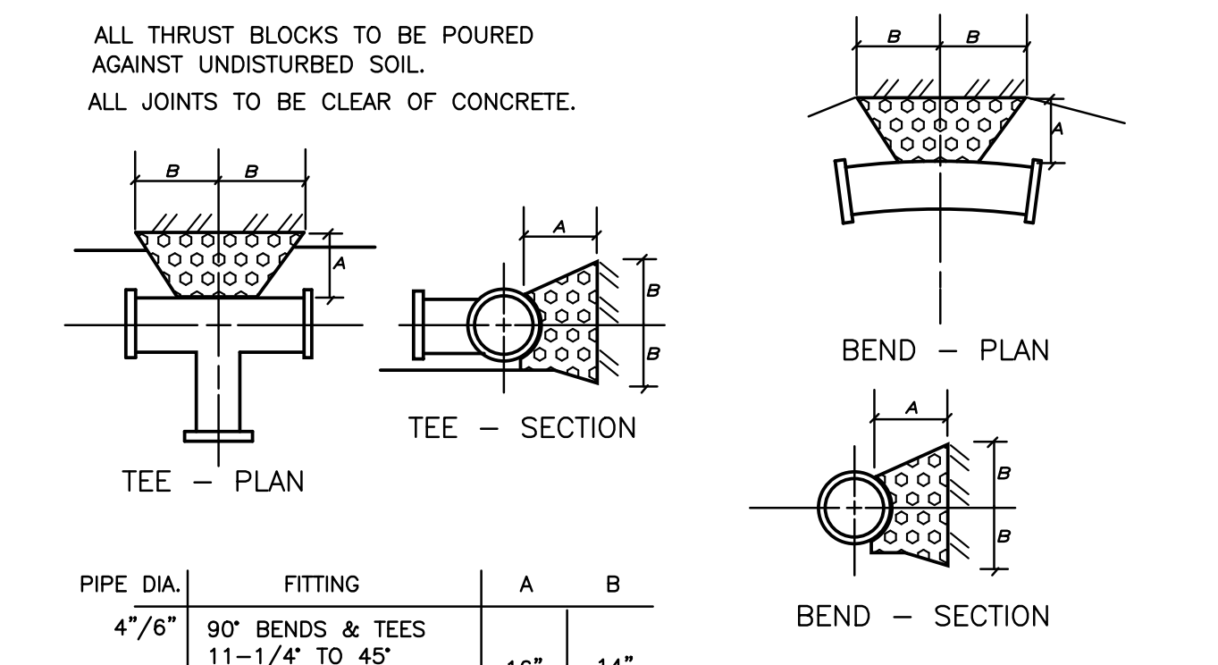
MECHANICAL JOINTS

ANGLE	D =	R =	L =
45°	T x 1.414	T x 1.000	D-2A
22.5°	T x 2.613	T x 2.414	D-2A
11.25°	T x 5.126	T x 5.027	D-2A

④ WATER LOOP
NOT TO SCALE

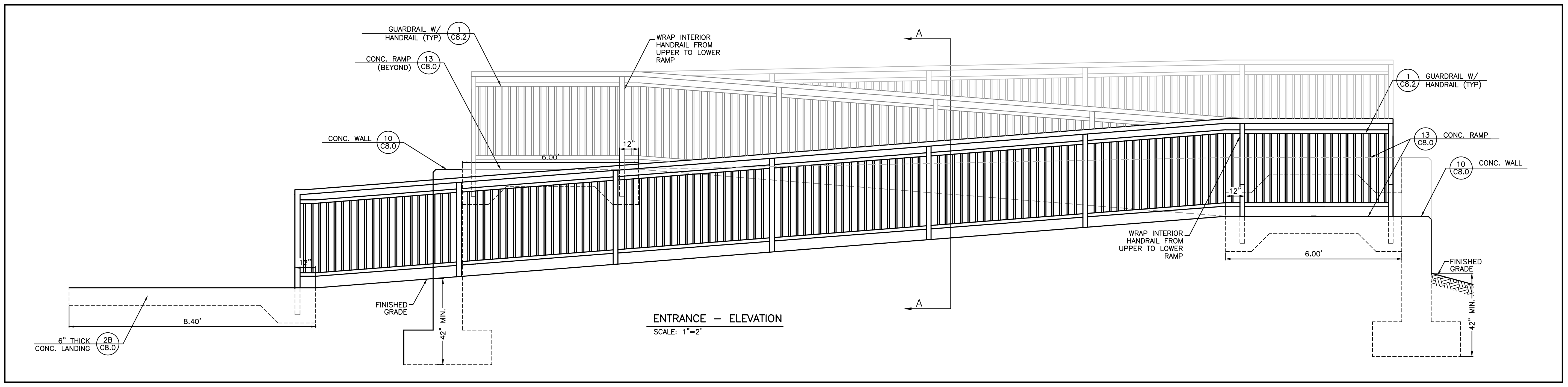
ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.

ALL JOINTS TO BE CLEAR OF CONCRETE.

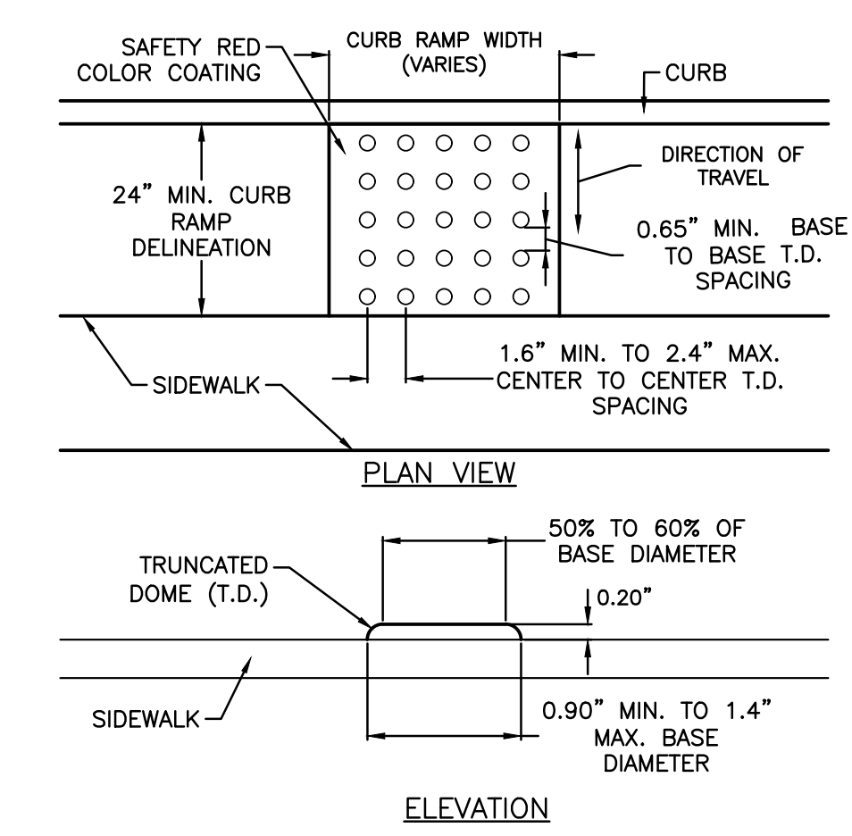


PIPE DIA.	FITTING	A	B
4"/6"	90° BENDS & TEES 11-1/4° TO 45°	16"	14"
8"	90° BENDS & TEES 11-1/4° TO 45°	16" 16"	12" 18"
10"	90° BENDS & TEES 11-1/4° TO 45°	16" 24"	16" 24"
12"	90° BENDS & TEES 11-1/4° TO 45°	18" 24"	18" 28"
16"	90° BENDS & TEES 11-1/4° TO 45°	20" 24"	20" 36"
		24"	28"

⑤ CONCRETE THRUST BLOCKS
NOT TO SCALE


GUARDRAIL W/ HANDRAIL (TYP) 1 C8.2
CONC. RAMP (BEYOND) 13 C8.0
CONC. WALL 10 C8.0
WRAP INTERIOR HANDRAIL FROM UPPER TO LOWER RAMP
A
6.00'
12"
CONC. RAMP 13 C8.0
CONC. WALL 10 C8.0
FINISHED GRADE
42" MIN.
8.40'
6" THICK CONC. LANDING 2B C8.0

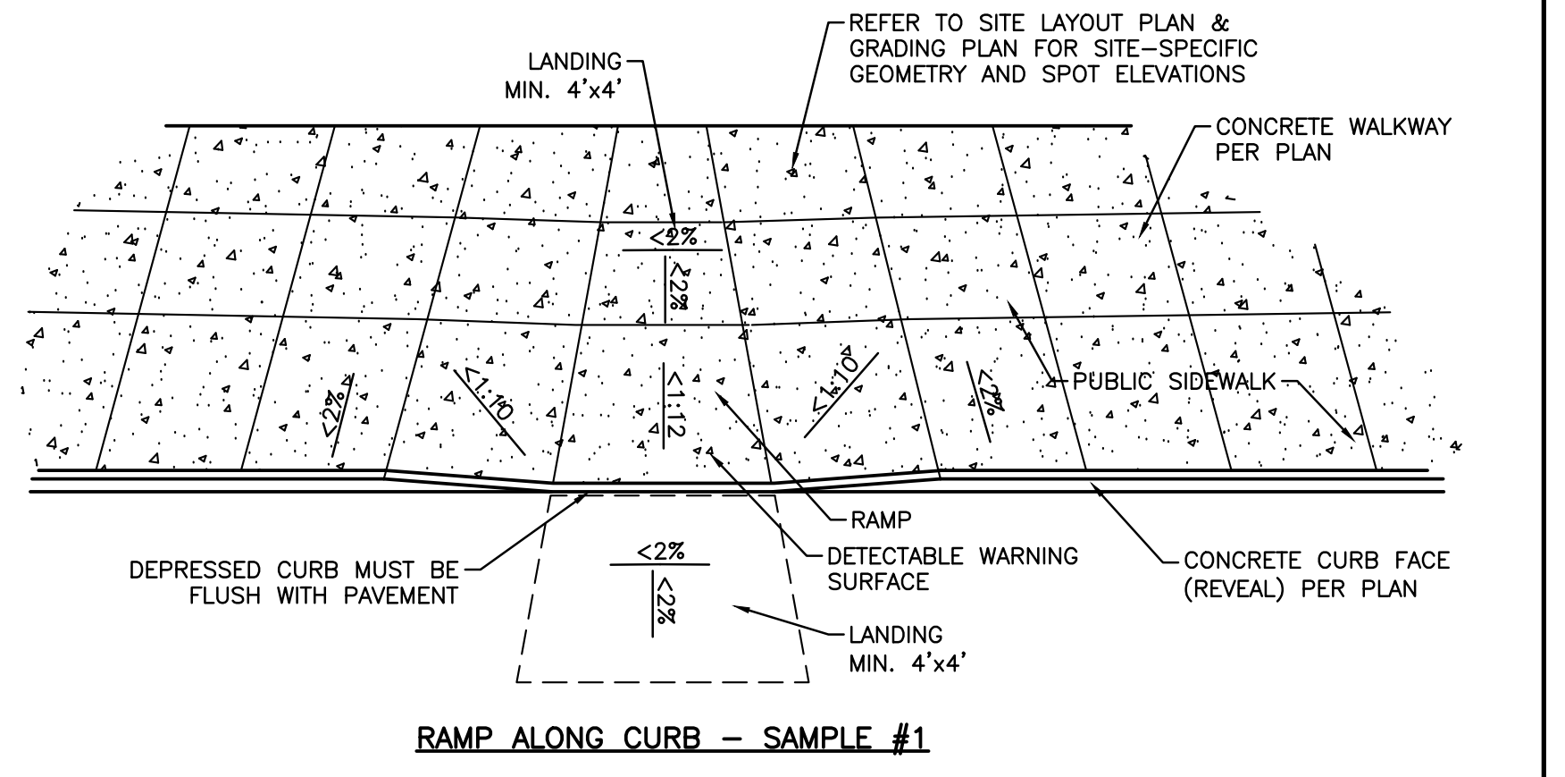
ENTRANCE - ELEVATION
SCALE: 1"=2'


SAFETY RED COLOR COATING
CURB RAMP WIDTH (VARIES)
CURB
24" MIN. CURB RAMP DELINEATION
DIRECTION OF TRAVEL
0.65" MIN. BASE TO BASE T.D. SPACING
1.6" MIN. TO 2.4" MAX. CENTER TO CENTER T.D. SPACING
SIDEWALK
PLAN VIEW
TRUNCATED DOME (T.D.)
50% TO 60% OF BASE DIAMETER
0.20"
0.90" MIN. TO 1.4" MAX. BASE DIAMETER
SIDEWALK
ELEVATION

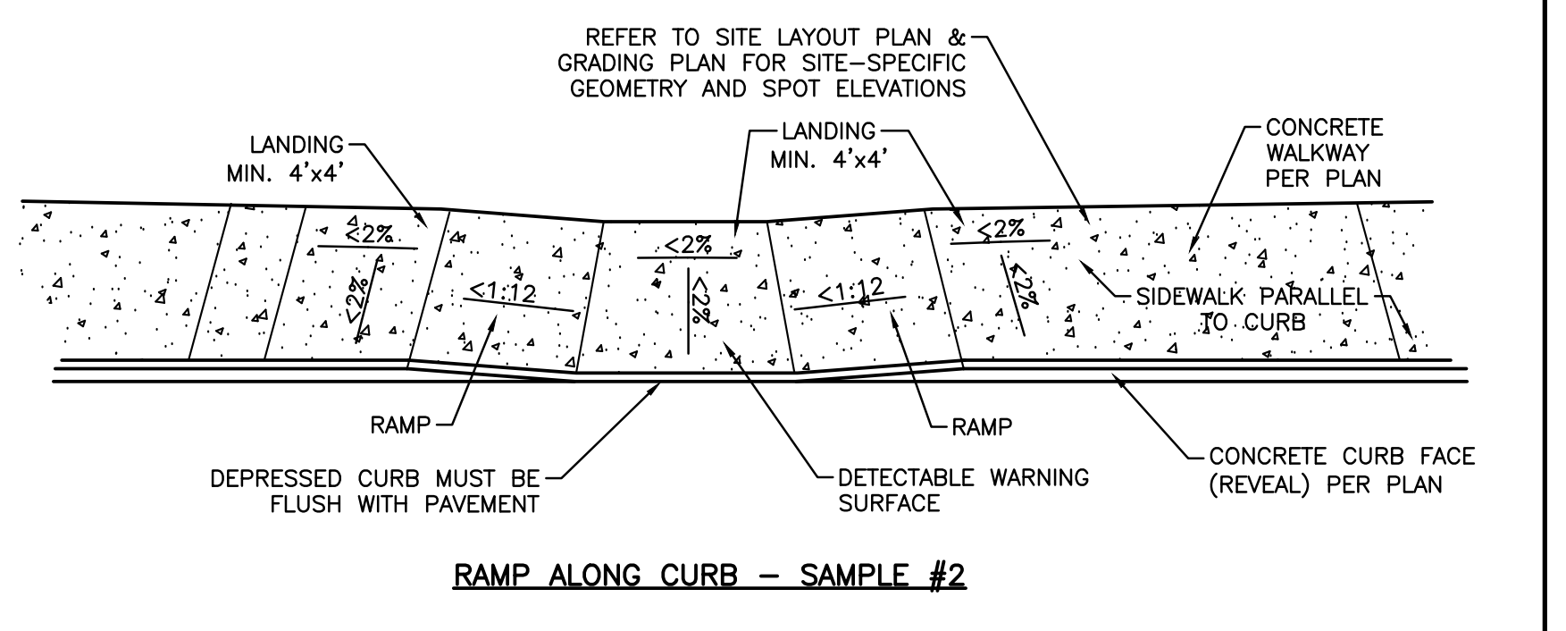
DETECTABLE WARNING SURFACE

GENERAL NOTES:

1. THESE DETAILS ARE INTENDED TO DEPICT THE GENERAL LAYOUT & GEOMETRY OF VARIOUS CONFIGURATIONS OF BARRIER FREE (ADA) RAMPS. EACH RAMP SHALL HAVE A LANDING AT ITS TOP AND BOTTOM SLOPING NOT MORE THAN 2% IN ANY DIRECTION.
2. REFER TO CONCRETE PAVEMENT DETAIL FOR CONCRETE REQUIREMENTS.
3. REFER TO THE PLAN FOR SITE LAYOUT INFORMATION PERTAINING TO RAMPS AND LANDINGS.
4. WALKWAYS SLOPING 5% OR LESS ARE NOT CONSIDERED RAMPS, BUT ARE KNOWN AS BLENDED TRANSITIONS. LANDINGS ARE NOT REQUIRED FOR BLENDED TRANSITIONS.
5. LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
6. DEPRESSED CURB SHALL BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4' AT ALL CURB RAMPS.
7. DETECTABLE WARNING SURFACES (SHADED AREA) SHALL BE SAFETY RED COLOR ON CONCRETE.
8. KEEP TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP CLEAR OF OBSTRUCTIONS THAT PROTRUDE ABOVE THE SIDEWALK.
9. IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.


REFER TO SITE LAYOUT PLAN & GRADING PLAN FOR SITE-SPECIFIC GEOMETRY AND SPOT ELEVATIONS
LANDING MIN. 4'x4'
CONCRETE WALKWAY PER PLAN
PUBLIC SIDEWALK
RAMP
DETECTABLE WARNING SURFACE
CONCRETE CURB FACE (REVEAL) PER PLAN
DEPRESSED CURB MUST BE FLUSH WITH PAVEMENT
LANDING MIN. 4'x4'
<2%

RAMP ALONG CURB - SAMPLE #1


REFER TO SITE LAYOUT PLAN & GRADING PLAN FOR SITE-SPECIFIC GEOMETRY AND SPOT ELEVATIONS
LANDING MIN. 4'x4'
CONCRETE WALKWAY PER PLAN
SIDEWALK PARALLEL TO CURB
RAMP
DETECTABLE WARNING SURFACE
CONCRETE CURB FACE (REVEAL) PER PLAN
DEPRESSED CURB MUST BE FLUSH WITH PAVEMENT
<2%

RAMP ALONG CURB - SAMPLE #2

⑥ BARRIER-FREE (ADA COMPLIANT) CURB RAMP
NOT TO SCALE

Civil Engineering Consultant: EEG 1634D

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ENGINEERING
GROUP
AN L2A COMPANY

02.12.26
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532

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NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

Scale

Drawing Name
DETAILS

Revisions

No.	Date	Description
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	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Drawing Number
C-8.2

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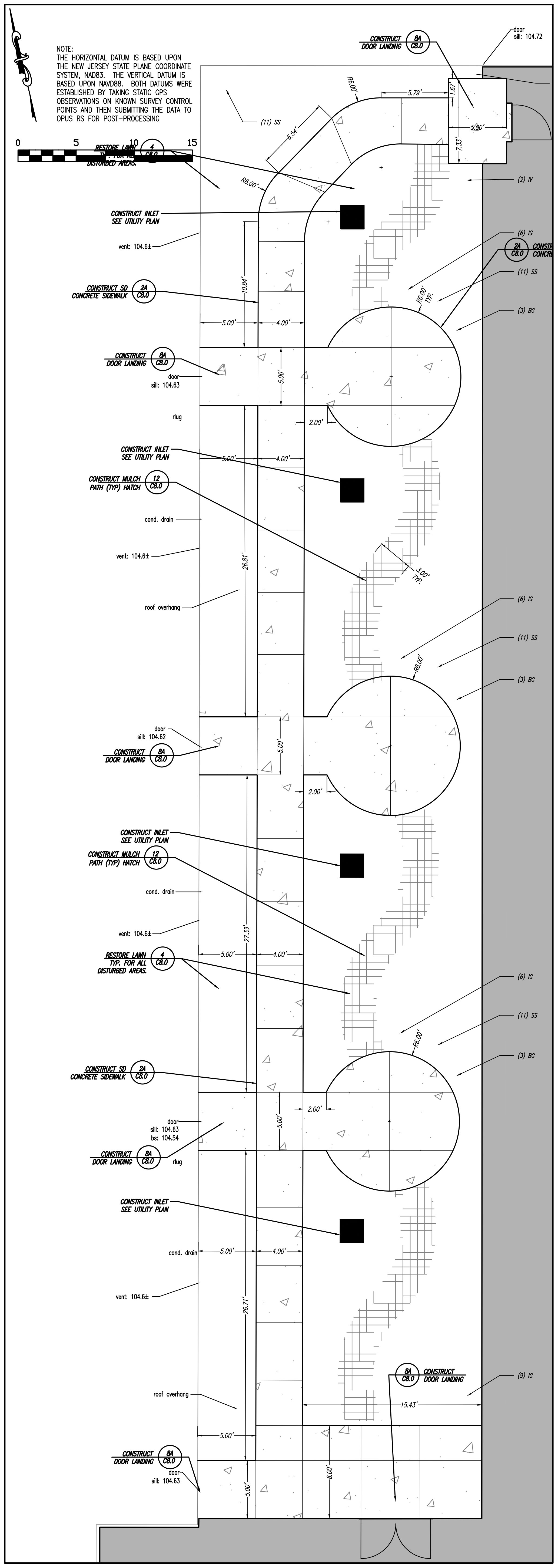
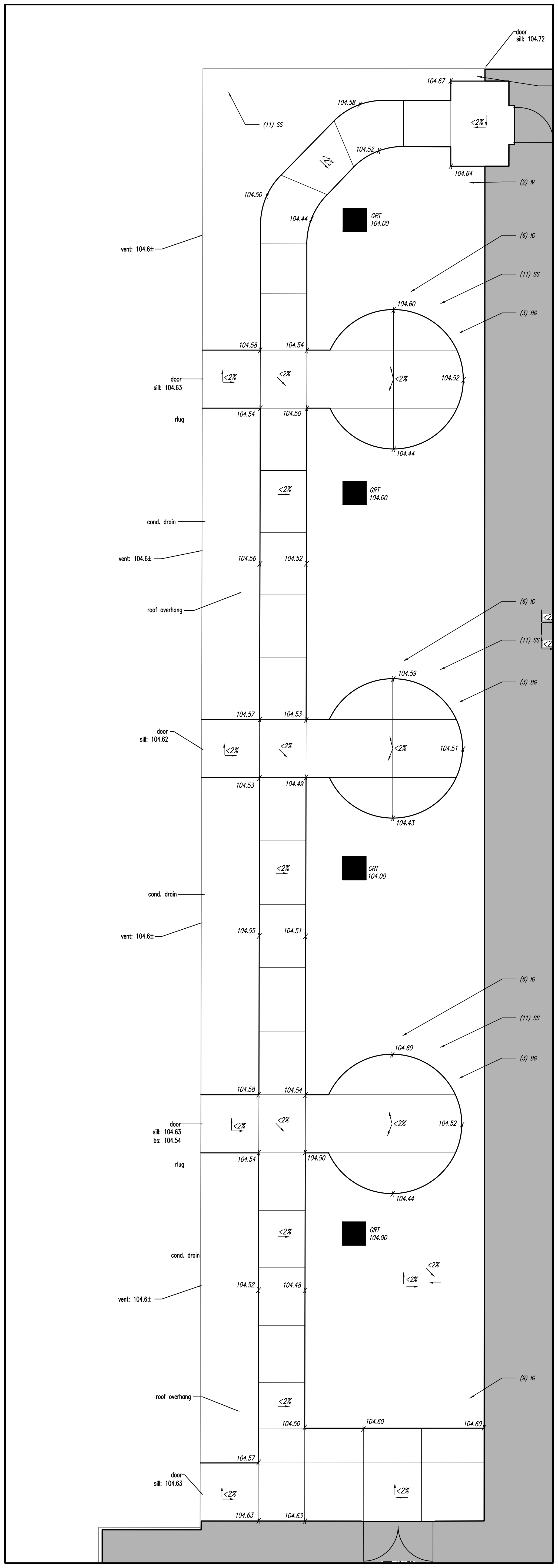
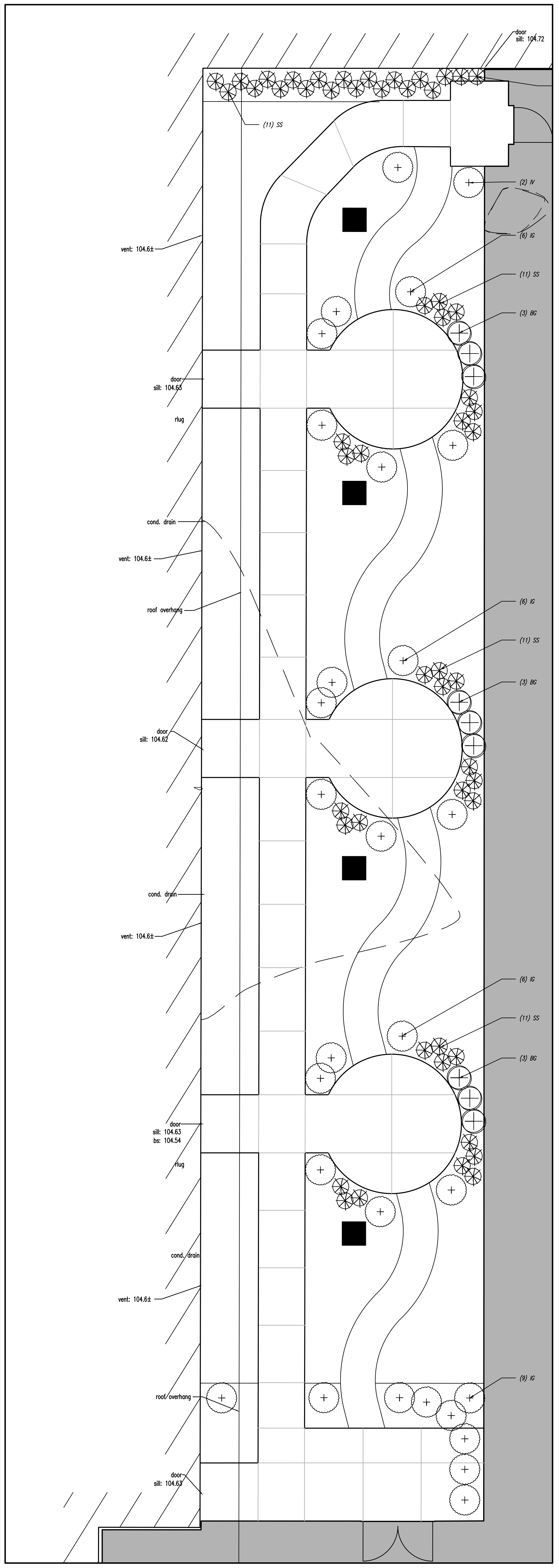

0
5
10
15
CONSTRUCT 8A C8.0 DOOR LANDING
door sill: 104.72
(11) SS
(2) IV
(6) IG
(3) BG
2A C8.0 CONSTRUCT CONCRETE
RESTORE LAWN 4 C8.0 TYP. FOR ALL DISTURBED AREAS.
CONSTRUCT INLET SEE UTILITY PLAN
vent: 104.6±
CONSTRUCT SD 2A C8.0 CONCRETE SIDEWALK
door sill: 104.63
rlug
CONSTRUCT MULCH 12 C8.0 PATH (TYP) HATCH
cond. drain
roof overhang
door sill: 104.62
door sill: 104.63 bs: 104.54
CONSTRUCT 8A C8.0 DOOR LANDING
R6.00'
R6.00' TYP.
6.54'
5.79'
1.67'
5.00'
7.33'
10.84'
4.00'
2.00'
26.81'
27.33'
26.71'
15.43'
8.00'

COURTYARD SITE PLAN SCALE: 1"=5'



COURTYARD GRADING PLAN SCALE: 1"=5'



COURTYARD LANDSCAPING PLAN SCALE: 1"=5'

LEGEND OF SYMBOLS

EXISTING	PROPOSED	ITEM
lowercase text	*UPPERCASE TEXT*	TEXT & NOTES
○	● / ◑	MANHOLE– NEW/RECONSTRUCT
□	■ / ◩	INLET– NEW/RECONSTRUCT
◎ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	GV ⋈ WV	VALVE–TYPE
		FIRE HYDRANT/FDC
		UTIL. POLE/W–LIGHT/W–TRANSF.
		STREET/TRAFFIC SIGNS:
		FREESTANDING LIGHT
	☒	NEW ELEC. HAND HOLE
——x——	——x——	FENCE
+70.25	x70.25	SPOT ELEVATIONS
—68—	68	CONTOUR LINE
– – – g – – –	——G——	GAS LINE
– – – w – – –	——W——	WATER LINE

EXISTING	PROPOSED	ITEM
– – – – – – –	———————	PAVEMENT EDGE
	▨	FULL DEPTH DEMOLITION
	▨	STANDARD DUTY HOT MIX ASPHALT PAVEMENT
	▨	HEAVY DUTY HOT MIX ASPHALT PAVEMENT
══════	══════	CURB/DEPRESSED CURB (DC)
┌ – – – ┐	▨	PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
– – – st – – –		STORM SEWER >=12" DIA.
– – – st – – –		STORM SEWER <12" DIA
– – – sa – – –	——SA——	SANITARY SEWER
——//——		OVERHEAD POWER LINE
– – – e – – –	——E——	ELEC. SERVICE/CONDUIT

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT	FDC	FIRE DEPT. CONN.	RCP	REINFORCED CONC. PIPE
APPROX	APPROXIMATE	FO	FIBER OPTIC CABLE	RL	ROOF LEADER
BF	BARRIER FREE	FTG.	FOOTING	RLUG	ROOF LEADER UNDERGROUND
BC	BOTTOM OF CURB REVEAL	FFE	FINISHED FLOOR ELEVATION	SCD	SOIL CONSERVATION DISTRICT
BDC	BOTTOM OF DEPRESSED CURB	G	GAS PIPE LINE	ST	STORM SEWER PIPE
BIT	BITUMINOUS	GRT	GRATE (ELEVATION)	SS/SAN	SANITARY SEWER PIPE
BM	BENCHMARK	GV	GAS VALVE	TEL	TELEPHONE
BR	BOTTOM OF RAMP	HC	HANDICAPPED	TB	TOP OF BORDER
BS	BOTTOM OF STEP	HP	HIGH POINT	TBR	TO BE REMOVED
BW	BOTTOM WALL (GRADE)	HYD	FIRE HYDRANT	TC	TOP OF CURB
COMM	DATA/COMMUNICATION CABLE	INV	INVERT (ELEV.)	TCW	TOP OF CURB WALL+
CONFIG.	CONFIGURATION	LF	LINEAR FEET	TDC	TOP OF DEPRESSED CURB
CLF	CHAIN LINK FENCE	LP	LOW POINT	TP	TEST PIT
C.O.	CLEAN OUT	MH	MANHOLE	TR	TOP OF RAMP
CONC	CONCRETE	NEC	NATIONAL ELECTRICAL CODE	TRANSF	TRANSFORMER
DC	DEPRESSED CURB (FLUSH TO PAVEMENT)	NIC	NOT IN CONTRACT	TS	TOP OF STEP
DEP	DEPRESSED CURB	O/H	OVERHEAD	TW	TOP OF WALL
DEMO	DEMOLITION	PC	POINT OF CURVE	TYP	TYPICAL
DIP	DUCTILE IRON PIPE	PCC	POINT OF COMPOUND CURVE	U/G	UNDERGROUND
E	ELECTRIC	PEP	POLYETHYLENE PIPE (HDPE)	UP	UTILITY POLE
ELEV	ELEVATION (FT.)	PROP	PROPOSED	V.I.F.	VERIFY IN FIELD
EX	EXISTING	PT	POINT OF TANGENT	W	WATER
		PVC	POLYVINYL CHLORIDE PIPE	WV	WATER VALVE

COURTYARD PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	FORM	SIZE	QTY
IG	ILEX GLABRA 'GEM BOX'	'GEM BOX' INKBERRY HOLLY	SHRUB	24"–30"29	29
BG	BOUTELOUA GRACILIS 'BLONDE AMBITION'	'BLONDE AMBITION' BLUE GRAMA GRASS	GRASS	1 GAL.	9
SS	SCHIZACHYRIUM SCOPARIUM	'STANDING OVATION' LITTLE BLUESTEM	GRASS	1 GAL.	54

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Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
08540

Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By

Scale

Drawing Name
DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.10.25	NJ DCA REVISIONS
	12.10.25	DESIGN REVISIONS
	01.02.26	NJ DCA REVISIONS
	01.02.26	DESIGN REVISIONS
	01.23.26	NJ DCA REVISIONS

Civil Engineering Consultant: EEG 1634D
EDWARDS ENGINEERING GROUP
AN L2A COMPANY
Beth E Kenderdine 02.12.26
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532

Drawing Number
C-8.3

Scope of Work:

- Building Use Group: E
- Construction Type: 2B
- Non-sprinkler construction
- Actual Building Height: Varies;
- Average Building Height: 19'-1" FT A.F.F.
- Allowable Building Height: 55'-0" FT A.F.F.
- Actual Number of Stories: 1
- Allowable Number of Stories: 2

Project Narratives:

The project consists of Additions, Alterations and Renovations to Littlebrook Elementary School for the Princeton Public Schools, Board of Education, Mercer County, New Jersey.
Disciplines of work involved in the project will include Civil, Structural and MEP.

ADDITION:
New Vocal Music Wing with Corridor. This area will be built onto the existing building due to the combined allowable area being under the 14,500 SFT per code.
New Classroom Wing with Corridor. This wing will consist of (6) six new classrooms - (2) two being a flex classroom w/ self-contained toilet rooms, (2) two Mechanical Rooms, (1) one IDF area partitioned in one of the mechanical rooms, new multi-user toilet rooms and single user toilet rooms.

ALTERATIONS:
(2)Two existing Kindergarten Classrooms will be altered to create (2) two new Small Group Instructional (S.G.I.) spaces.
An existing library office will be converted into a new Reading Area
The existing vocal music room will be demolished to make way for the new connecting corridor link to the new classroom wing, Instrumental Music Storage and a seating nook.
The current gymnasium storage room will be converted from (3)three individual spaces to (1) one.
New Conference room to be portioned out of an existing classroom, the remaining will be provided to the existing staff room area adjacent.

RENOVATION:
The current Instrumental Music Room will get a new bottle water filler and sink w/ base and wall cabinets.
The staff room area will be renovated after the room expansion from the adjacent classroom.
A new floor will be installed in the existing Multi-purpose space, along with new food service line improvement and furniture.

CIVIL:
All Site Work includes parking lot expansion, re-grading, concrete curbs, chain link fence, playground pavement, mulch playground w/ timber border, concrete sidewalks, concrete ramp w/ concrete wall & aluminum handrails.

STRUCTURAL:
Fabrication and erection of new structural steel, framing, metal deck, and miscellaneous metal fabrications.

HVAC:
New Heating, ventilating, and air conditioning systems as well as the temperature and daylight control systems.

ELECTRICAL:
Electrical work will include whatever is necessary for electrical power distribution, lighting, and the connections to equipment tied into such systems.

PLUMBING:
Piping servicing domestic water piping, gas piping, drainage systems and connection of equipment tied into the above types of systems.

**Phasing Plans and Temporary Egress Plan can be referenced on sheets A001 and A002.
See sheet A100 for additional Project Code Analysis Information and New Egress Plan.**

LEGEND:

▨ **PHASES OF CONSTRUCTION - NEW CONSTRUCTION:**
1- NEW BUILDING ADDITION FOR VOCAL CLASSROOM (BASE BID)
1- NEW BUILDING ADDITION FOR MULTIPLE CLASSROOMS, TOILET ROOMS & UTILITY SPACES (ALTERNATE BID)

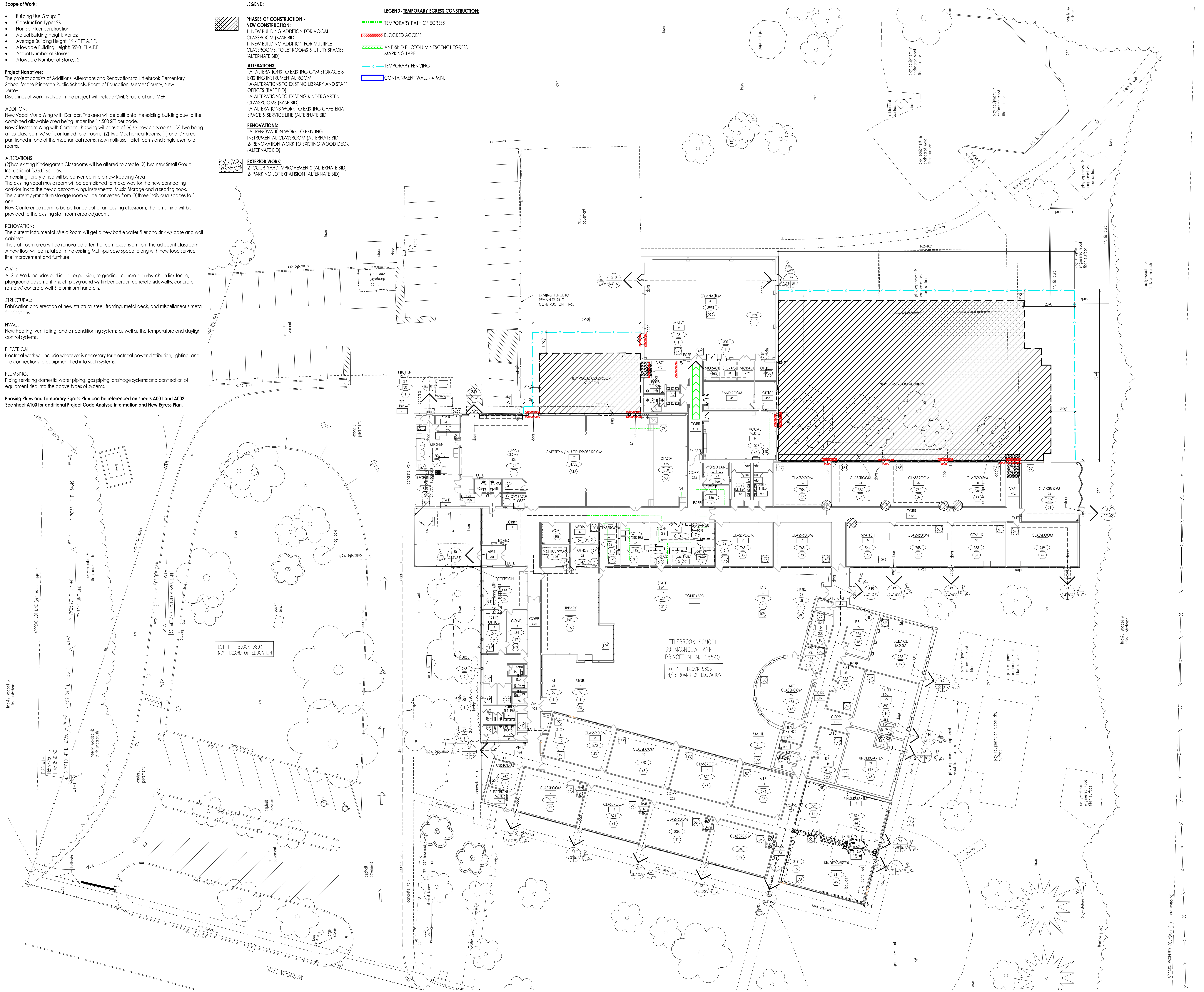
ALTERATIONS:
1A- ALTERATIONS TO EXISTING GYM STORAGE & EXISTING INSTRUMENTAL ROOM
1A-ALTERATIONS TO EXISTING LIBRARY AND STAFF OFFICES (BASE BID)
1A-ALTERATIONS TO EXISTING KINDERGARTEN CLASSROOMS (BASE BID)
1A-ALTERATIONS WORK TO EXISTING CAFETERIA SPACE & SERVICE LINE (ALTERNATE BID)

RENOVATIONS:
1A- RENOVATION WORK TO EXISTING INSTRUMENTAL CLASSROOM (ALTERNATE BID)
2- RENOVATION WORK TO EXISTING WOOD DECK (ALTERNATE BID)

▒ **EXTERIOR WORK:**
2- COURTYARD IMPROVEMENTS (ALTERNATE BID)
2- PARKING LOT EXPANSION (ALTERNATE BID)

LEGEND- TEMPORARY EGRESS CONSTRUCTION:

🟩 TEMPORARY PATH OF EGRESS
🟥 BLOCKED ACCESS
🟩 ANTI-SKID PHOTOLUMINESCENCT EGRESS MARKING TAPE
— x — TEMPORARY FENCING
☐ CONTAINMENT WALL - 4' MIN.



① Phase 1 - April 2026 - December 2027
1/32" = 1'-0"

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Architect
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FVHDPC.COM

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
SB

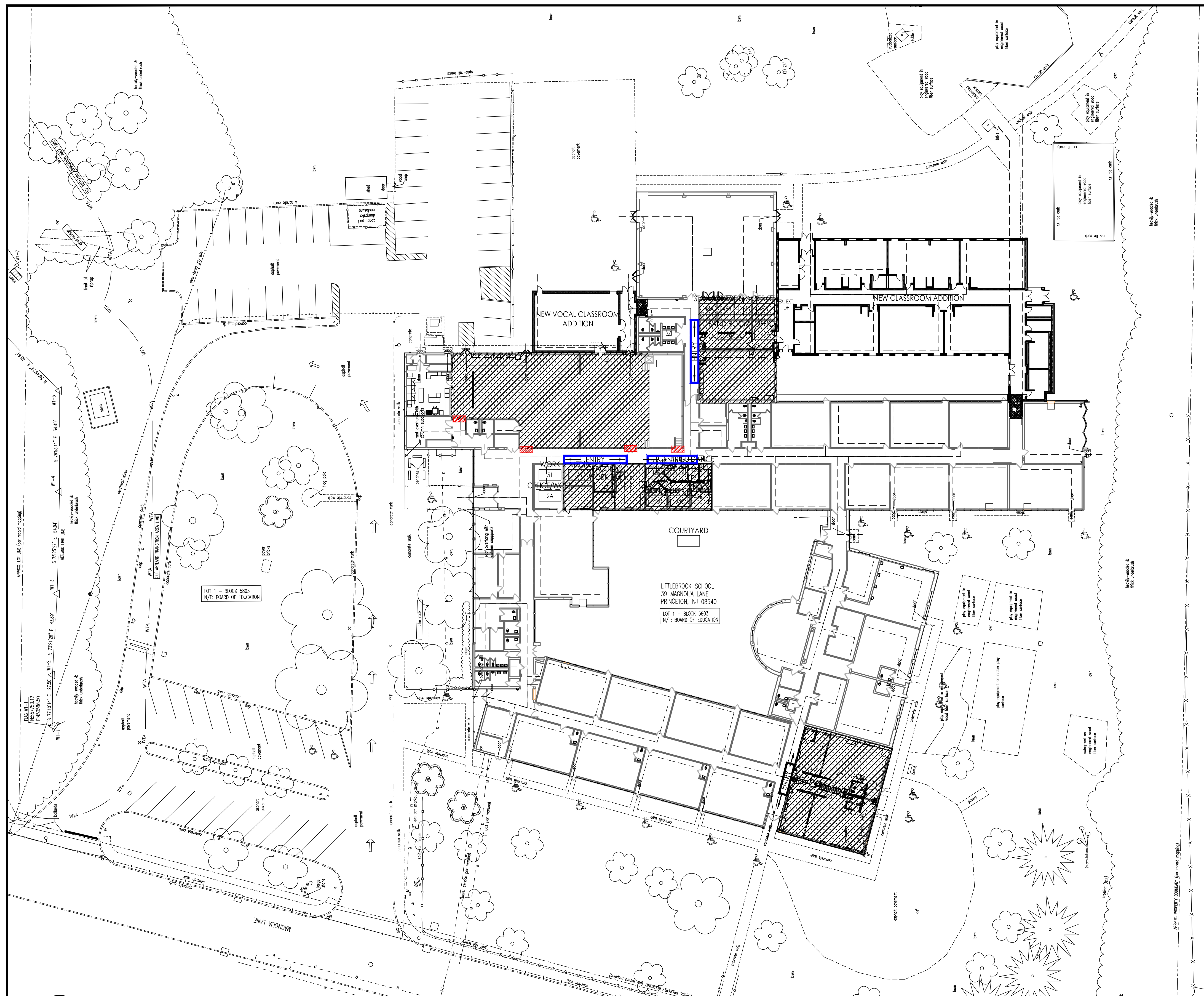
Scale
AS NOTED

Drawing Name
PROJECT NARRATIVE AND SCOPE OF WORK, TEMPORARY EGRESS PLAN & PHASING PLAN - 1

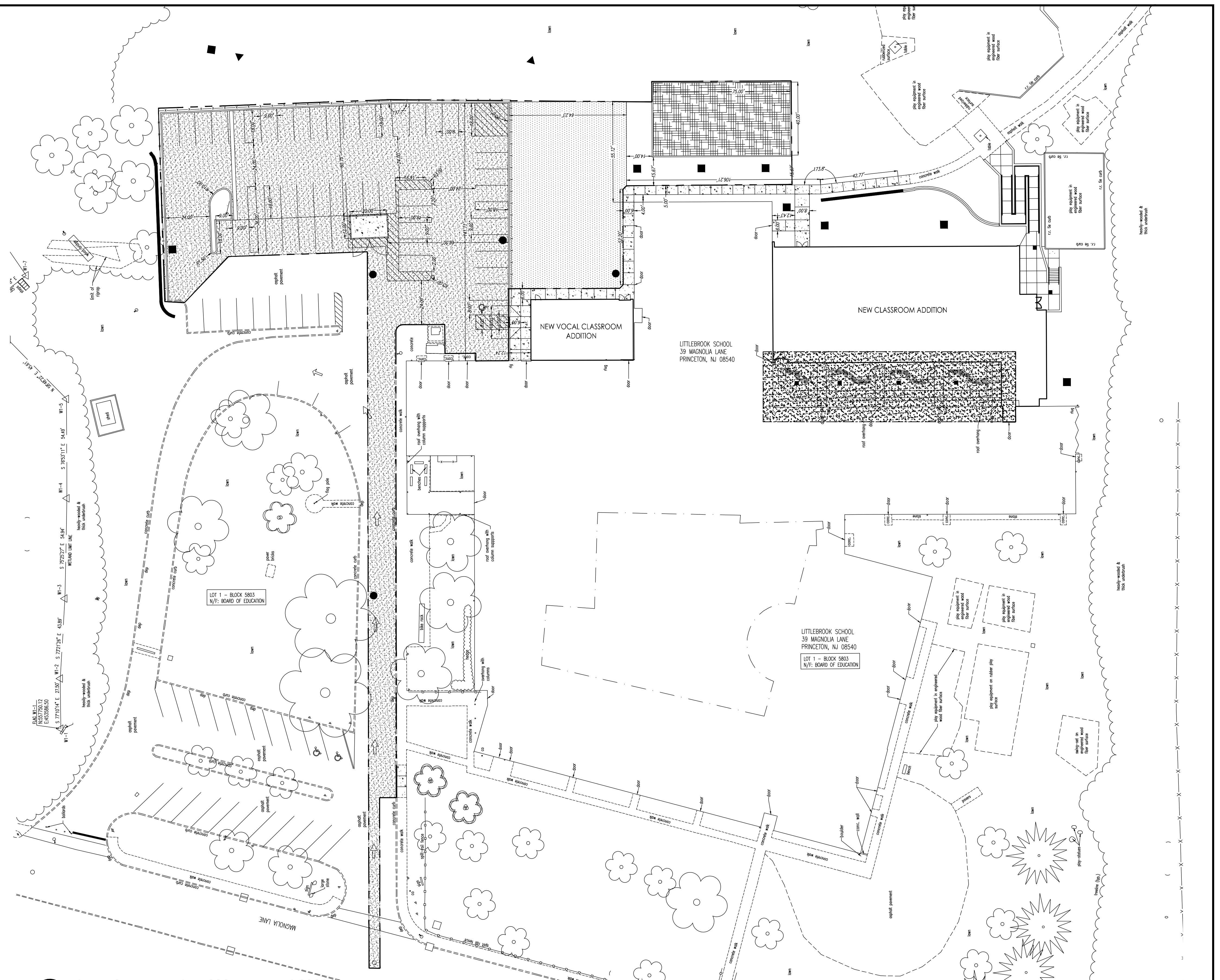
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A001



1A Phase 1A - June 2027 - August 2027
1/32" = 1'-0"



2 Phase 2 - December 2027 - August 2028
1/32" = 1'-0"

LEGEND:

▨ **PHASES OF CONSTRUCTION -**
NEW CONSTRUCTION:
1- NEW BUILDING ADDITION FOR VOCAL CLASSROOM (BASE BID)
1- NEW BUILDING ADDITION FOR MULTIPLE CLASSROOMS, TOILET ROOMS & UTILITY SPACES (ALTERNATE BID)

ALTERATIONS:
1A- ALTERATIONS TO EXISTING GYM STORAGE & EXISTING INSTRUMENTAL ROOM
1A-ALTERATIONS TO EXISTING LIBRARY AND STAFF OFFICES (BASE BID)
1A-ALTERATIONS TO EXISTING KINDERGARTEN CLASSROOMS (BASE BID)
1A-ALTERATIONS WORK TO EXISTING CAFETERIA SPACE & SERVICE LINE (ALTERNATE BID)

RENOVATIONS:
1A- RENOVATION WORK TO EXISTING INSTRUMENTAL CLASSROOM (ALTERNATE BID)
2- RENOVATION WORK TO EXISTING WOOD DECK (ALTERNATE BID)

░ **EXTERIOR WORK:**
2- COURTYARD IMPROVEMENTS (ALTERNATE BID)
2- PARKING LOT EXPANSION (ALTERNATE BID)

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Drawn By
SB

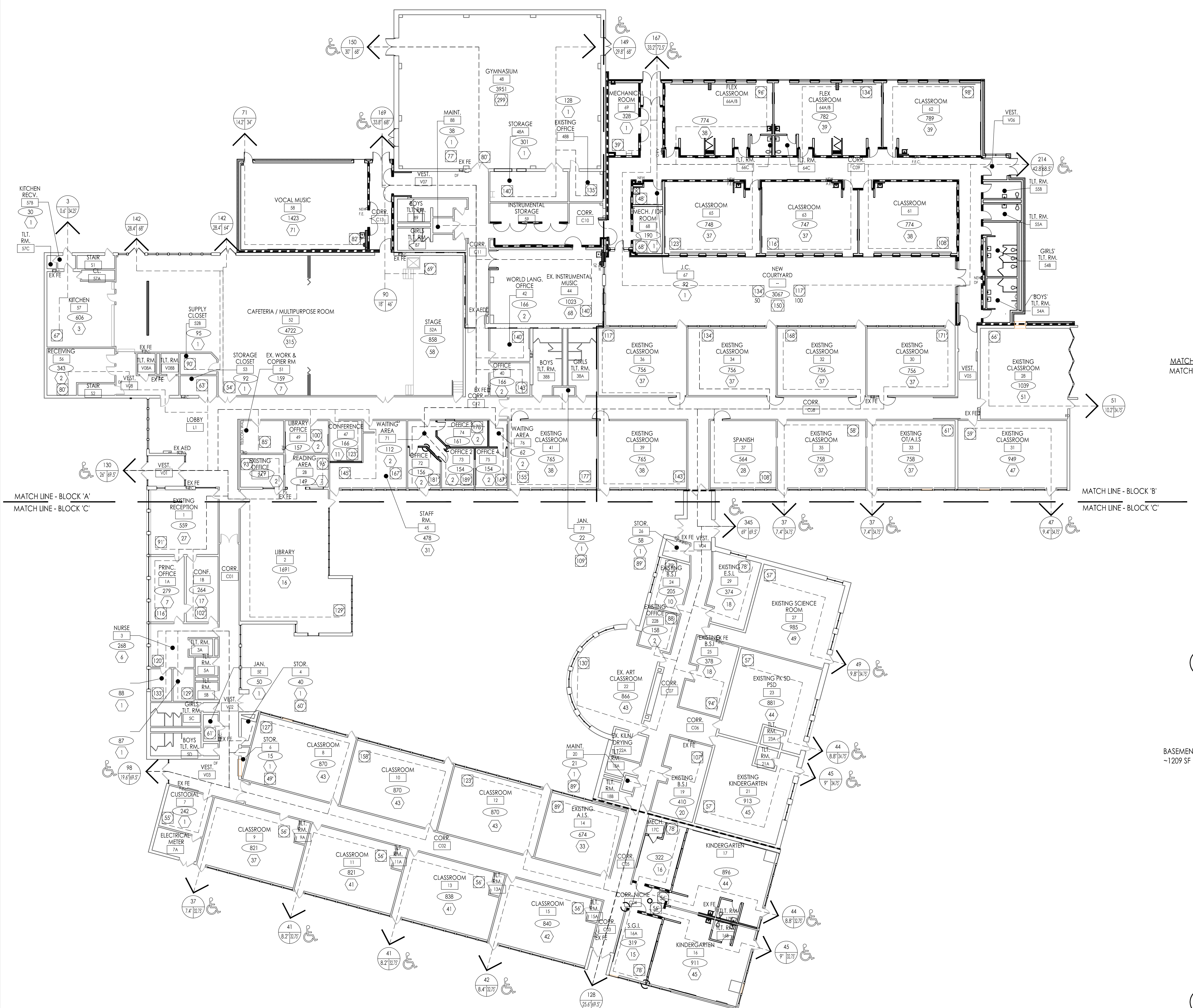
Scale
AS NOTED

Drawing Name
PHASING PLANS - 1A & 2

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A002



1 EGRESS PLAN
1/16" = 1'-0"

PLAN LEGEND

● FE-1 OR F.E.C.	FIRE EXTINGUISHER: MULTI-PURPOSE DRY CHEMICAL TYPE UL RATED 2A:10:B:C 5lb - SEE DTL. 5A/G004
● FE-2	FIRE EXTINGUISHER - SEE DTL. 5A/G004
▬ ▬ ▬	2 HOUR FIRE WALL AS PER U.L. DES. # U905
▬ I ▬ I ▬	1 HOUR FIRE BARRIER ASSEMBLY AS PER U.L. DES. # U905 OR # U906
▬ I I ▬	EXISTING 2 HOUR FIRE WALL

EGRESS LEGEND

— — →	PATH OF EGRESS TRAVEL
♿	BARRIER-FREE BUILDING ENTRANCE
XX	TRAVEL DISTANCE
XXXXX	ROOM SQUARE FOOTAGE

ROOM CAPACITY

XX	POSTED OCCUPANT LOAD - ALL ROOMS THAT ARE EXISTING, RENOVATED OR CONSTRUCTED AS ADDITIONS UNDER THE REHABILITATION SUBCODE SHALL HAVE POSTED OCCUPANT LOAD SIGNS - SEE TYPE 25 ON SHEET A601 - NJ REHABILITATION SUBCODE
XX	OCCUPANT LOAD - IBC 2021 NJ CHPT. 10

BUILDING EXIT CAPACITY

X — OCCUPANT LOAD - NJ REHAB. SUBCODE
X X — UNITS OF EGRESS WIDTH PROVIDED
— UNITS OF EGRESS WIDTH REQUIRED

X — OCCUPANT LOAD - IBC 2021 NJ CHPT. 10
X X — NET CLEAR EGRESS WIDTH PROVIDED (IN INCHES)
— NET CLEAR EGRESS WIDTH REQUIRED (IN INCHES)

PROJECT CODE INFORMATION

THIS PROJECT WAS DESIGNED UNDER THE FOLLOWING CODES:

CONSTRUCTION CODE (ALTERATIONS) -	NEW JERSEY REHAB. SUBCODE 5:23-6
BUILDING SUBCODE -	INTERNATIONAL BUILDING CODE 2021 - NJ EDITION
BARRIER-FREE SUBCODE -	N.J.A.C. 5:23-7 AND ICC-ANSI A117.1-2017
PLUMBING SUBCODE -	NATIONAL STANDARD PLUMBING SUBCODE 2021
MECHANICAL SUBCODE -	INTERNATIONAL MECHANICAL CODE 2021
ELECTRICAL SUBCODE -	NATIONAL ELECTRICAL CODE 2020
FUEL GAS SUBCODE -	INTERNATIONAL FUEL GAS CODE 2021
ENERGY CONSERVATION SUBCODE -	ASHRAE 90.1 2019

BUILDING INFORMATION

CLASSIFICATION OF WORK RENOVATIONS PER NJ REHABILITATION SUBCODE 5:23-6.5

DESCRIPTION: Renovation work as classified under the NJ Rehabilitation Subcode consist of repainting and door hardware at the Library Office. Replacement of a wooden deck to composite decking.

CLASSIFICATION OF WORK ALTERATIONS PER NJ REHABILITATION SUBCODE 5:23-6.6

DESCRIPTION: Alteration work as classified under the NJ Rehabilitation Subcode consists of reconstructed Kindergarten Classrooms with respective bifurcated SGI Classrooms; altered Staff Office Suite and Break Room area; new Conference Room; new serving area in the Cafeteria / Multipurpose Space; new plumbing fixtures in the existing Instrumental Classroom; new Instrumental Storage Room; and new Mechanical Closet.

CLASSIFICATION OF WORK ADDITIONS PER NJ REHABILITATION SUBCODE 5:23-6.32

DESCRIPTION: Addition work as classified under the NJ Rehabilitation Subcode consists of a new six Classroom Wing with creation of a new exterior Courtyard space; new Vocal Classroom ; and Parking Lot Expansion.

SEE KEY PLAN ON SHEET FOR LOCATIONS AND BASE BID / ALTERNATE BID PHASES

OCCUPANCY CLASSIFICATION & USE (IBC NJ EDITION CHPT. 3)

OCCUPANCY	PUBLIC SCHOOL	
USE GROUP	E	IBC SECTION 305.1

SPECIAL REQUIREMENTS BASED ON OCCUPANCY & USE (IBC NJ EDITION CHPT. 4)

NO SPECIAL REQUIREMENTS APPLY TO THE WORK IN THIS PROJECT.

RADON HAZDARD SUBCODE (IBC NJ EDITION CHPT.() NEW JERSEY REHABILITATION SUBCODE 5:23-10)

PRINCETON TOWNSHIP - NJ MUNICIPALITY RADON CLASSIFICATION : TIER 1

MINIMUM PIPE DIAMETER: 4 INCHES

MAXIMUM AREA VENTED: 4,000 FT^2

SEE SHEET (A101) FOR RADON SYSTEM DETAILS

GENERAL BUILDING HEIGHTS & AREAS (IBC NJ EDITION CHPT. 5)

THE FLOOR PLAN AREA AND HEIGHT OF THE SCHOOL BUILDING IS CHANGED UNDER THIS PROJECT, THEREFORE AN ANALYSIS OF THE EXISTING BUILDINGS HAS BEEN PROVIDED.

THE NEW VOCAL CLASSROOM TO BE ADDED TO THE AREA OF THE GYMNASIUM & MUSIC WING ADDITION. REFERENCE THE FIRE BARRIER SECTION FOR MORE DETAILS

GENERAL BUILDING HEIGHTS & AREAS (IBC NJ EDITION CHPT. 5)

ALLOWABLE BUILDING HEIGHT (IBC NJ EDITION TABLE 504.3)

OCCUPANCY CLASSIFICATION	E
TYPE OF CONSTRUCTION	2B
ALLOWABLE BUILDING HEIGHT	55 FEET FOR BUILDINGS W/O AUTOMATIC SPRINKLERS
ACTUAL BUILDING HEIGHT	VARIES
• NEW VOCAL MUSIC ADDITION	~17'-3" FEET
• NEW CLASSROOM WING	~15'-1" FEET
• EXISTING BUILDING	~12'-0" FEET
• EXISTING GYMNASIUM	~27'-1" FEET
	GRADE PLANE TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE

ALLOWABLE NUMBER OF STORIES (IBC NJ EDITION TABLE 505.4)

OCCUPANCY CLASSIFICATION	E
TYPE OF CONSTRUCTION	2B
ALLOWABLE NUMBER OF STORIES	2 STORIES FOR BUILDINGS W/O AUTOMATIC SPRINKLERS
ACTUAL NUMBER OF STORIES	1 STORY

ALLOWABLE AREA (IBC NJ EDITION TABLE 506.2)

OCCUPANCY CLASSIFICATION	E
TYPE OF CONSTRUCTION	2B
ALLOWABLE AREA	14,500 SF FOR BUILDINGS W/O AUTOMATIC SPRINKLERS

ALLOWABLE AREA FRONTAGE INCREASE (IBC NJ EDITION TABLE 506.3.3)
N/A

VOLUME CALCULATION

VOLUME CALCULATION (PER NJAC 5:23-2.28(c)

EXISTING BUILDING AREAS (1955/1963/1971) - 423,096 CU. FT.
EXISTING BUILDING AREA (1955 - BASEMENT) - 14,024 CU. FT.
EXISTING BUILDING AREA (1955 -MULTI-PURPOSE SPACE) - 74,448 CU. FT.
EXISTING BUILDING AREAS (2002 - GYMNASIUM) - 112,363 CU. FT.
EXISTING BUILDING AREAS (2002 - MUSIC WING) - 52,219 CU. FT.
EXISTING BUILDING AREA (2002 - ART WING) - 117,089 CU. FT.
NEW BUILDING AREA (2026 VOCAL CLASSROOM) - 32,447 CU. FT.
NEW BUILDING AREA (2026 CLASSROOM WING) - 147,073 CU. FT.

TOTAL VOLUME CALCULATION OF EXISTING AND NEW AREAS: ~972,759 CU.FT.

CONSTRUCTION TYPE (IBC NJ EDITION CHPT. 6)

THE CONSTRUCTION TYPE OF THE SCHOOL BUILDING IS NOT CHANGED UNDER THIS PROJECT, THEREFORE NO ANALYSIS OF THE EXISTING BUILDINGS HAS BEEN PROVIDED.

FIRE & SMOKE PROTECTION (IBC NJ EDITION CHPT. 7)

FIRE-RESISTANT RATED CONSTRUCTION ELEMENTS:

NO FIREWALLS OR FIRE BARRIERS ARE ALTERED UNDER THIS PROJECT (IBC SECTIONS 706 AND 707).

ANY FIRE PARTITIONS ALTERED UNDER THIS PROJECT ARE REPLACED WITH NEW CONSTRUCTION MEETING THE REQUIREMENTS OF IBC 708.3. ANY OPENINGS IN FIRE PARTITIONS ARE PROTECTED IN ACCORDANCE WITH IBC 716.

FIRE PROTECTION & LIFE SAFETY (IBC NJ EDITION CHPT. 9)

AUTOMATIC SPRINKLER SYSTEMS:

THE EXISTING BUILDING DOES NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM.

FIRE EXTINGUISHER SCHEDULE:

THE FLOOR PLAN AREA OF THE SCHOOL HAS CHANGED UNDER THIS PROJECT. FIRE EXTINGUISHERS HAVE BEEN ADDED IN THE NEW ADDITIONS UNDER THIS PROJECT. THE ANALYSIS OF THE FIRE EXTINGUISHERS HAS BEEN PROVIDED.

FIRE EXTINGUISHER TYPES

MULTI-PURPOSE DRY CHEMICAL TYPE UL RATED 2A:10:B:C 5lb FOR TYPE A,B,C FIRES

PROVIDE A MINIMUM 2-A RATING FOR EACH 6,000 MAX. S.F. AREA AND A TRAVEL DISTANCE OF NOT MORE THAN 75' IN EACH DIRECTION

BUILDING	AREA	NO. OF FE'S REQUIRED	NO. OF FE'S PROVIDED
FIRST FLOOR	~69,000 GSF	12	19

FIRE BARRIER (IBC NJ EDITION CHPT. 7&9 AND NEW JERSEY REHABILITATION SUBCODE 5:23-6.32.d & e)

A NEW ADDITION WILL BE ADDED TO AN EXISTING BUILDING PER
N.J.A.C. 5:23-6.32 (d):
No addition shall increase the area of an existing building beyond that permitted under the applicable provisions of the building subcode unless a fire wall is provided in accordance with Section 706 of the building subcode.

1. Infilling of floor openings, such as elevator and exit stair shafts, and the addition of mezzanines and equipment penthouses shall be permitted as allowed by the building subcode. (Plan review--Building, Fire. Inspection-- Building)

&
N.J.A.C. 5:23-6.32 (e):
Where an addition increases or extends the size of a fire area beyond that which is allowed by Section 903 of the building subcode, an automatic sprinkler system shall be provided throughout the fire area unless the addition is separated from the existing building by a fire barrier or horizontal assembly, or both, having a fire resistance rating in accordance with Table 707.3.10 of the building subcode; mixed occupancies shall use the highest applicable rating from Table 707.3.10.

1. Exception: This requirement shall not apply to increases to the floor area of the building of less than five percent. (Fire)

MEANS OF EGRESS (IBC NJ EDITION CHPT. 10 AND NEW JERSEY REHABILITATION SUBCODE 5:23-6.11)

THE OCCUPANT LOAD OF THE BUILDING HAS CHANGED UNDER THIS PROJECT. THEREFORE AN ANALYSIS OF EGRESS HAS BEEN PROVIDED.

ACCESSIBILITY (IBC NJ EDITION CHPT. 11)

ALL ROOMS ALTERED UNDER THIS PROJECT MEET THE REQUIREMENTS OF IBC CHPT. 11 AND ICC-ANSI A117.1.

ENERGY EFFICIENCY (IBC NJ EDITION CHPT. 13)

THE EXISTING EXTERIOR ENVELOPE OF THE BUILDING IS NOT ALTERED UNDER THIS PROJECT. THEREFORE NO ANALYSIS OF ENERGY EFFICIENCY HAS BEEN PROVIDED.

SEISMIC DESIGN CALCULATIONS (IBC NJ EDITION CHPT. 16)

TABLE 1604.5 - RISK CATEGORY
EDUCATIONAL USE BUILDING WITH TOTAL OCCUPANT LOAD IN EXCEED OF 250
RISK CATEGORY III
TABLE 1613.2.5(1) - SEISMIC DESIGN CATEGORY BASED ON SHORT-PERIOD (0.2 SECOND) RESPONSE ACCELERATION
S/DS (SEE STRUCTURAL DRAWINGS) = 0.248 SEISMIC DESIGN CATEGORY B
TABLE 1613.2.5(2) - SEISMIC DESIGN CATEGORY BASED ON 1-SECOND PERIOD RESPONSE ACCELERATION
S/D1 (SEE STRUCTURAL DRAWINGS) = 0.085 SEISMIC DESIGN CATEGORY B

SPECIAL INSPECTIONS (IBC NJ EDITION CHPT. 17)

THE FOLLOWING "SPECIAL INSPECTIONS" SHALL APPLY TO THIS PROJECT, AS DEFINED IN IBC NJ EDITION, CHAPTER 17, SECTION 1705. SEE SPECIFICATION SECTION 01400.

1705 . 2 -	STEEL CONSTRUCTION - SEE SPECIFICATION SECTIONS 05120, 05210 & 05300
1705 . 3 -	CONCRETE CONSTRUCTION - SEE SPECIFICATION SECTION 03300
~~1705 . 4 -~~	~~MASONRY CONSTRUCTION~~
~~1705 . 5 -~~	~~MASS TIMBER CONSTRUCTION~~
1705 . 6 -	SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS - SEE SPECIFICATION SECTION 02200
~~1705 . 7 -~~	~~DRIVEN DEEP FOUNDATIONS~~
~~1705 . 8 -~~	~~CAST-IN-PLACE DEEP FOUNDATIONS~~
~~1705 . 9 -~~	~~HELICAL PILE FOUNDATIONS~~
~~1705 . 10 -~~	~~STRUCTURAL INTEGRITY OF DEEP FOUNDATION ELEMENTS~~
~~1705 . 11 -~~	~~FABRICATED ITEMS~~
~~1705 . 12 -~~	~~WIND RESISTANCE~~
~~1705 . 13 -~~	~~SEISMIC RESISTANCE~~
~~1705 . 14 -~~	~~TESTING FOR SEISMIC RESISTANCE~~
1705 . 15 -	SPRAYED FIRE-RESISTANT MATERIALS - SEE SPECIFICATION SECTION 07250
~~1705 . 16 -~~	~~MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS - SEE SPECIFICATION SECTION 07260~~
~~1705 . 17 -~~	~~EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)~~
1705 . 18 -	FIRE-RESISTANCE PENETRATIONS & JOINTS - SEE SPECIFICATION SECTIONS 07840 & 07900.
~~1705 . 19 -~~	~~SMOKE CONTROL~~
~~1705 . 20 -~~	~~SEALING OF MASS TIMBER~~

THE INSPECTION FIRM(S) SHALL SUBMIT CERTIFICATIONS TO NJ DCA PRIOR TO PERMIT RELEASE.

PLUMBING FIXTURES (NSPC CHPT. 7)

USE GROUP 'E' (EDUCATIONAL) - ELEMENTARY SCHOOL -

SANITARY FIXTURES (STUDENTS) PER NSPC TABLE 7.21.1
FUNCTIONAL CAPACITY = 484 STUDENTS

484 X 50% = 242 MALES
484 X 50% = 242 FEMALES

WATER CLOSETS / URINALS
PER NSPC 7.21.1 NOTE 5, NOT MORE THAN 50% OF REQUIRED NUMBER OF WATER CLOSETS FOR MALES MAY BE URINALS.

	REQUIRED (MALES)	PROVIDED (MALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	7	7 WATER CLOSETS	(6 EXISTING, 1NEW)
		5 URINALS	(3 EXISTING, 2 NEW)
	REQUIRED (FEMALES)	PROVIDED (FEMALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	7	12 WATER CLOSETS	(9 EXISTING, 3 NEW)

LAVATORIES

	REQUIRED (MALES)	PROVIDED (MALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	7	10 LAVATORIES	(8 EXISTING, 2 NEW)
	REQUIRED (FEMALES)	PROVIDED (FEMALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	7	11 LAVATORIES	(9 EXISTING, 2 NEW)

DRINKING FOUNTAINS
FUNCTIONAL CAPACITY = 484 STUDENTS
REQUIRED: 484 STUDENTS AT 1 DRINKING FOUNTAIN PER 100 STUDENTS = 5 DRINKING FOUNTAINS REQUIRED. 5 PROVIDED (3 EXISTING, 2 NEW).

COST CALCULATION RE ACCESSIBLE PATH OF TRAVEL TO ALTERED ROOMS (NEW JERSEY REHABILITATION SUBCODE 5:23-6.6 (k))

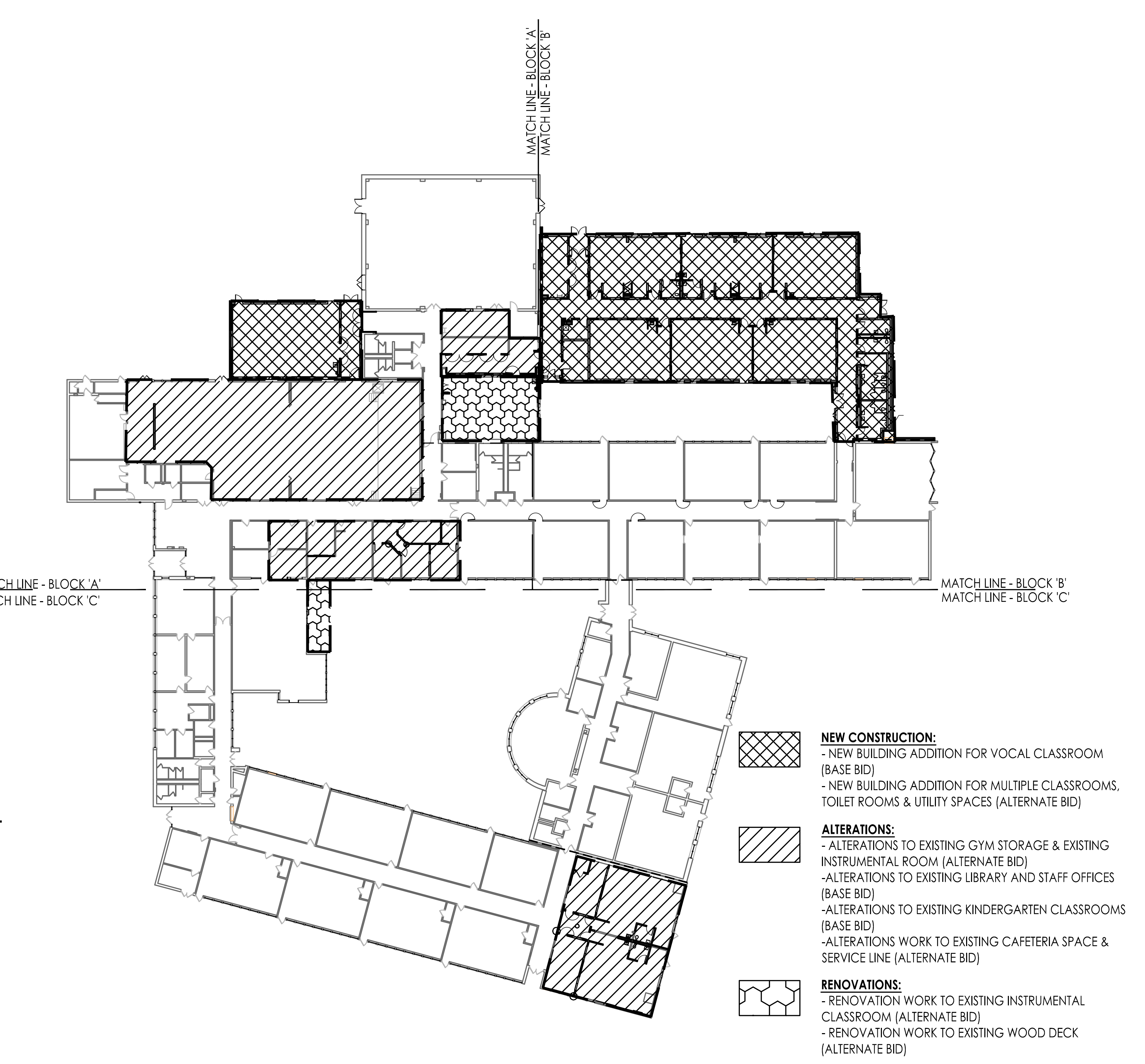
COST VALUES SHOWN ARE FROM COST ESTIMATES SUBMITTED TO NJ DEPT. OF EDUCATION.

TOTAL RENOVATION COST (ALL DISCIPLINES) $ 1,733,600.00
IN ACCORDANCE WITH N.J.A.C. 5:23-6.6 (k), COSTS FOR NON-ALTERATION WORK MAY BE DEDUCTED.
TOTAL ALTERATION COST: $ 810,600.00

THRESHOLD COST (20% OF TOTAL GENERAL ALTERATION COST) $ 162,120.00
IN ACCORDANCE WITH NJAC 5:23-6.6 (k), FUNDS UP TO THE THRESHOLD COST MUST BE SPENT IN PROVIDING AN ACCESSIBLE PATH OF TRAVEL TO THE ALTERED SPACES. THE FOLLOWING ACCESSIBLE PATH OF TRAVEL ELEMENTS HAVE BEEN PROVIDED:

ACCESSIBLE PARKING SPACES	$ 19,500.00
ACCESSIBLE EXTERIOR ROUTE	$ 20,500.00
ACCESSIBLE BUILDING ENTRANCE	$ 14,500.00
ACCESSIBLE INTERIOR ROUTE (RAMP, ELEVATOR)	$ 0.00
ACCESSIBLE INTERIOR DOORS AT ALTERED ROOMS	$ 96,000.00
ACCESSIBLE RESTROOMS	$ 115,000.00
ACCESSIBLE DRINKING FOUNTAINS	$ 9,000.00
TOTAL COST OF PROVIDED ACCESSIBLE PATH OF TRAVEL ELEMENTS	$ 274,500.00

THE TOTAL COST OF ACCESSIBLE PATH OF TRAVEL ELEMENTS EXCEEDS THE THRESHOLD COST; THEREFORE THE REQUIREMENTS OF N.J.A.C. 5:23-6.6 (k) ARE SATISFIED.

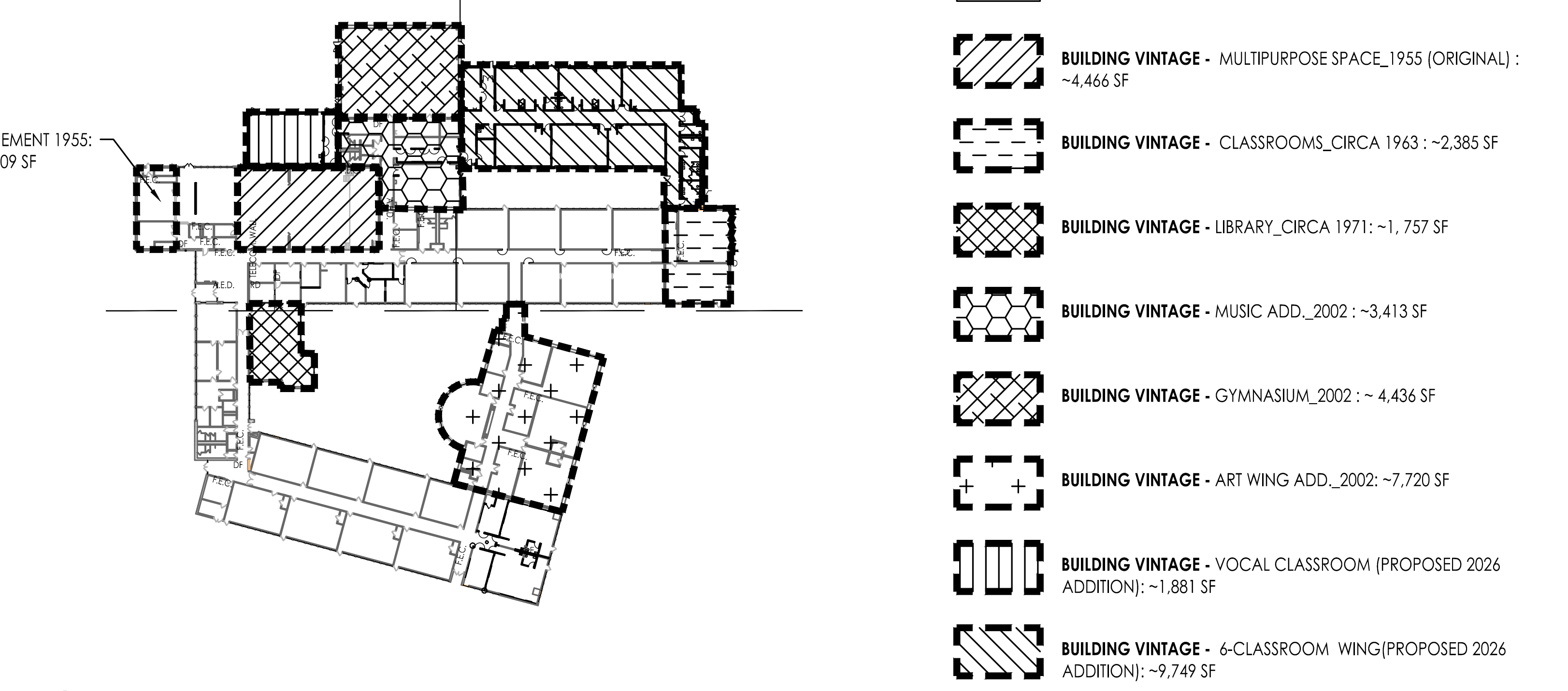


NEW CONSTRUCTION:
- NEW BUILDING ADDITION FOR VOCAL CLASSROOM (BASE BID)
- NEW BUILDING ADDITION FOR MULTIPLE CLASSROOMS, TOILET ROOMS & UTILITY SPACES (ALTERNATE BID)

ALTERATIONS:
- ALTERATIONS TO EXISTING GYM STORAGE & EXISTING INSTRUMENTAL ROOM (ALTERNATE BID)
-ALTERATIONS TO EXISTING LIBRARY AND STAFF OFFICES (BASE BID)
-ALTERATIONS TO EXISTING KINDERGARTEN CLASSROOMS (BASE BID)
-ALTERATIONS WORK TO EXISTING CAFETERIA SPACE & SERVICE LINE (ALTERNATE BID)

RENOVATIONS:
- RENOVATION WORK TO EXISTING INSTRUMENTAL CLASSROOM (ALTERNATE BID)
- RENOVATION WORK TO EXISTING WOOD DECK (ALTERNATE BID)

2 KEY PLAN - AREAS OF WORK
1/32" = 1'-0"



BUILDING VINTAGE - 1955 (ORIGINAL) : ~ 33,201 SF
BUILDING VINTAGE - MULTIPURPOSE SPACE_1955 (ORIGINAL) : ~4,466 SF
BUILDING VINTAGE - CLASSROOMS_CIRCA 1963 : ~2,385 SF
BUILDING VINTAGE - LIBRARY_CIRCA 1971: ~1, 757 SF
BUILDING VINTAGE - MUSIC ADD._2002 : ~3,413 SF
BUILDING VINTAGE - GYMNASIUM_2002 : ~ 4,436 SF
BUILDING VINTAGE - ART WING ADD._2002: ~7,720 SF
BUILDING VINTAGE - VOCAL CLASSROOM (PROPOSED 2026 ADDITION): ~1,881 SF
BUILDING VINTAGE - 6-CLASSROOM WING(PROPOSED 2026 ADDITION): ~9,749 SF

3 KEY PLAN - BUILDING VINTAGES & SECTIONS
1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
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Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
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Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln, Princeton, NJ 085402

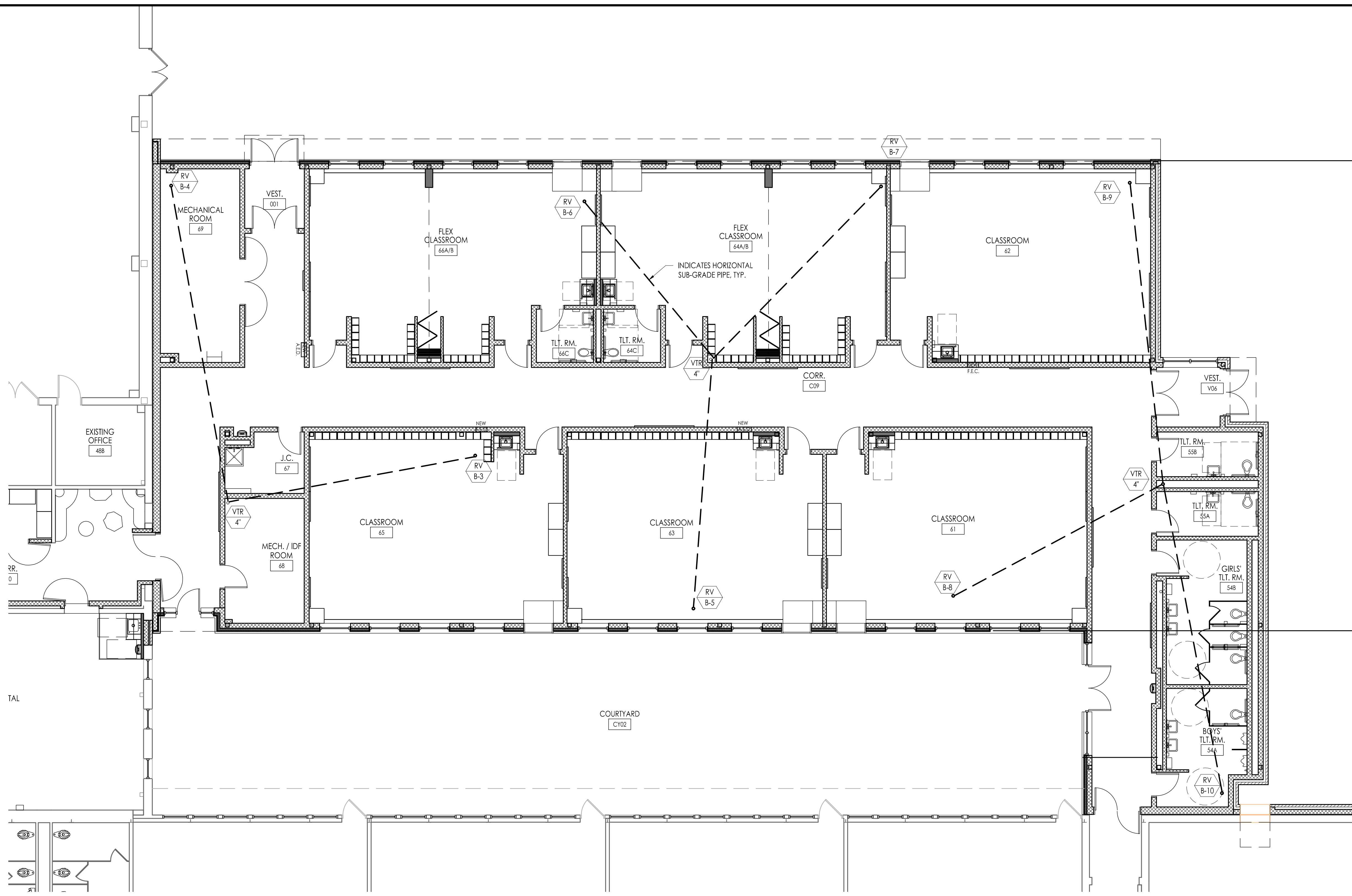
Project Number	5516D
Project Date	10.10.2025
Checked By	WDH
Drawn By	SB
Scale	AS NOTED

Drawing Name
EGRESS PLAN, WORK KEY PLAN & CODE ANALYSIS

Revisions

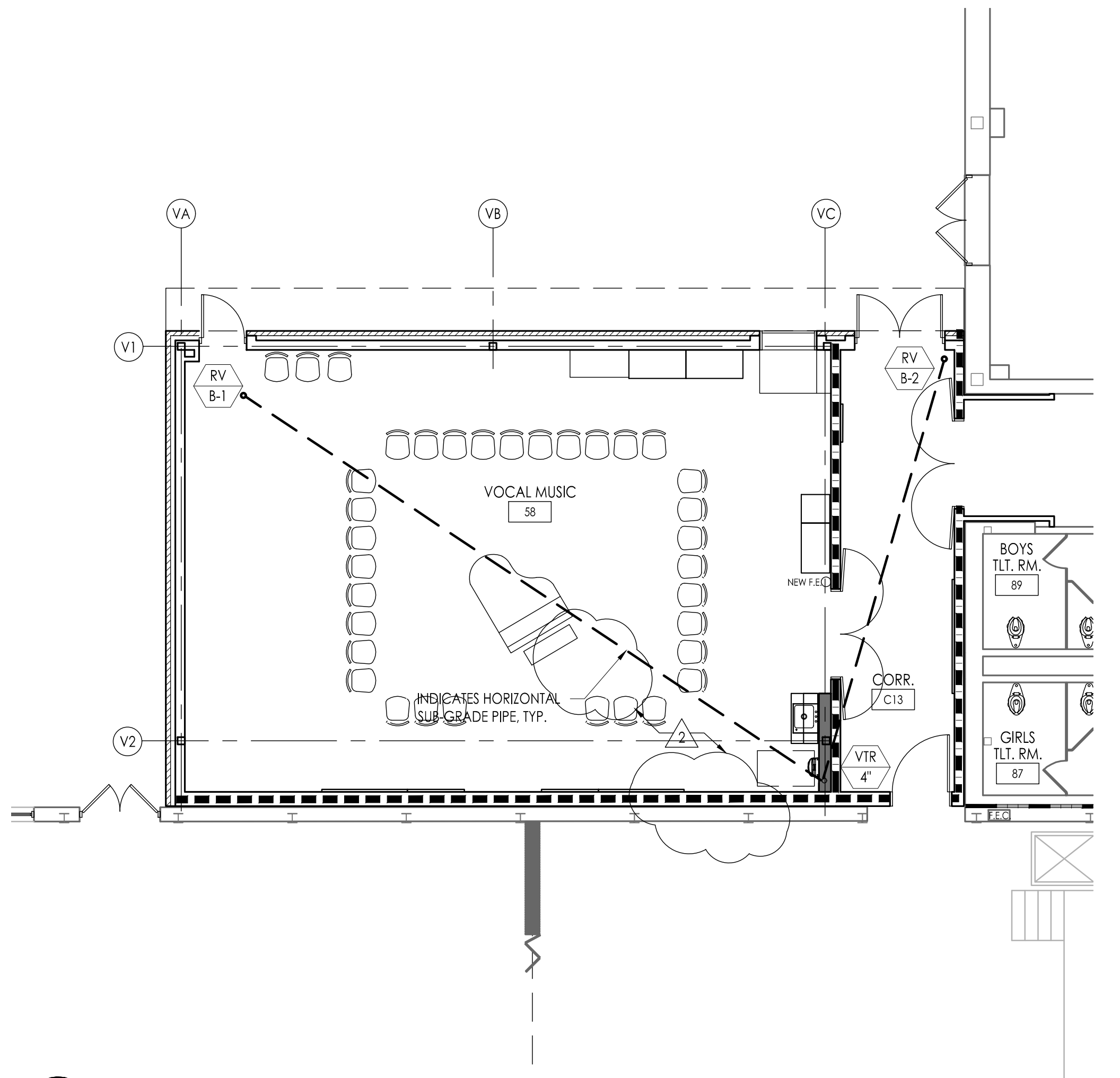
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A100



① RADON REDUCTION SYSTEM AT THE NEW CLASSROOM WING

Scale: 1/8" = 1'-0"



② RADON REDUCTION SYSTEM AT THE NEW VOCAL MUSIC ROOM

Scale: 1/8"= 1'-0"

RADON PIPES AT 4" DIAMETER
RADON VENT CALCULATIONS

LOCATION	AREA	REQUIRED	SUPPLIED
CLASSROOM ADDITION	~9,749 S.F.	3 VENTS	3 VENTS
VOCAL MUSIC ADDITION	~1,881 S.F.	1 VENT	1 VENT

GENERAL CONSTRUCTION RADON VENTILATION NOTES:

1. INSTALL PERORATED PVC PIPE.
2. ANY OPENINGS IN THE SLAB SHALL BE REPAIRED AND SEALED AGAINST AIR LEAKAGE WITH POLYURETHANE CAULK, EXPANDING FOAM OR OTHER APPROVED SEALANT.
3. USE SEALANT TAPE AT ALL JOINTS.
4. LABEL VENT PIPES " RADON REDUCTION SYSTEM" OR " VAPOR INTRUSION MITIGATION", SEE NOTE #6 UNDER "RADON VENTILATION NOTES".
5. NEEDS AN ELECTRICAL JUNCTION BOX NEAR THE POTENTIAL FAN LOCATION. COORDINATE WITH MEP.
6. SMOKE TEST SHOULD BE PERFORMED, ONCE THE SYSTEM HAS BEEN INSTALLED.
7. THE VENT NEEDS TO BE AT LEAST 10 FEET ABOVE GROUND LEVEL AND ABOVE THE EDGE OF THE ROOF. ALSO 10 FEET AWAY FROM ANY WINDOW, DOOR, OR ANY OTHER OPENING OF AN OCCUPIABLE SPACE.
8. FLOOR DRAINS SHOULD NOT ALLOW VAPORS TO TRAVEL BACK INTO THE SPACE FROM THE ROOF.
9. VENT STACK PIPE SHOULD BE AT LEAST 12 INCHES ABOVE THE SURFACE OF THE ROOF, AND AS WELL AS ANY PENETRATION THAT IS LOCATED ON THE SIDE OF THE BUILDING.
10. THE SOIL SLAB DEPRESSURIZATION SYSTEM "SSDS FAN" SHOULD BE LABELED IN THE ELECTRICAL SERVICE PANEL.
11. SUPPORTS FOR THE PIPING TO BE AT LEAST EVERY 6 FEET ON HORIZONTAL RUNS AND AT LEAST EVERY 8 FEET ON VERTICAL RUNS.
12. SUCTION POINTS TO BE COMPLETELY SUPPORTED AND SECURED IN A PERMANENT MANNER AND WITH MATERIALS THAT ARE APPROVED TO BE USED WITH THE SYSTEM.
13. GENERAL CONTRACTOR TO PROVIDE INSTALLATION PHOTOS / MARK AS BUILTS OF ANY CHANGES OR DISCREPANCY OF THE FINAL SYSTEM, BUT ANY CHANGES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CHANGE.

RADON PLAN LEGEND

Symbol	Description
RV / 1 ○	INDICATES PIPE VENT VENT NUMBER
VTR / X" ●	INDICATES VENT THROUGH ROOF

RADON VENTILATION NOTES:

1. ALL SEAMS AT VAPOR BARRIER SHALL BE LAPPED MINIMUM 12". ALL JOINTS IN FOUNDATION WALLS AND FLOOR SLABS SHALL BE SEALED WITH APPROVED RADON JOINT SEALANT AS PER N.J.A.C. 5:23-10.4. ANCHORS AND/OR ANY OTHER PENETRATIONS THROUGH VAPOR MEMBRANE SHALL BE RESEALED PER MANUFACTURER'S SPECIFICATIONS.

2. ALL OPENINGS / PENETRATIONS OF ALL FOUNDATION WALLS AND SLABS, ALL JOINTS IN ALL FOUNDATION WALLS AND SLABS AND ALL SLAB / WALL JOINTS SHALL BE SEALED WITH POLYURETHANE CAULK FOR RADON PROTECTION.

3. RADON VENTING PLAN SHOWS LOCATION OF "T" PIPE FITTING AND 4" DIA. P.V.C. VENT PIPE COVERING 4,000 SF OF PLAN AREA COMPLYING WITH U.C.C. SUBCHAPTER 10. VENT PIPES ARE VENTED THROUGH ROOF. ALL VENT PIPES ABOVE CEILING OR LOCATED IN AIR PLENUMS OR MECHANICAL EQUIPMENT ROOM(S) AND NOT ENCLOSED IN A CHASE SHALL ***BE GAUGE METAL PIPE.***

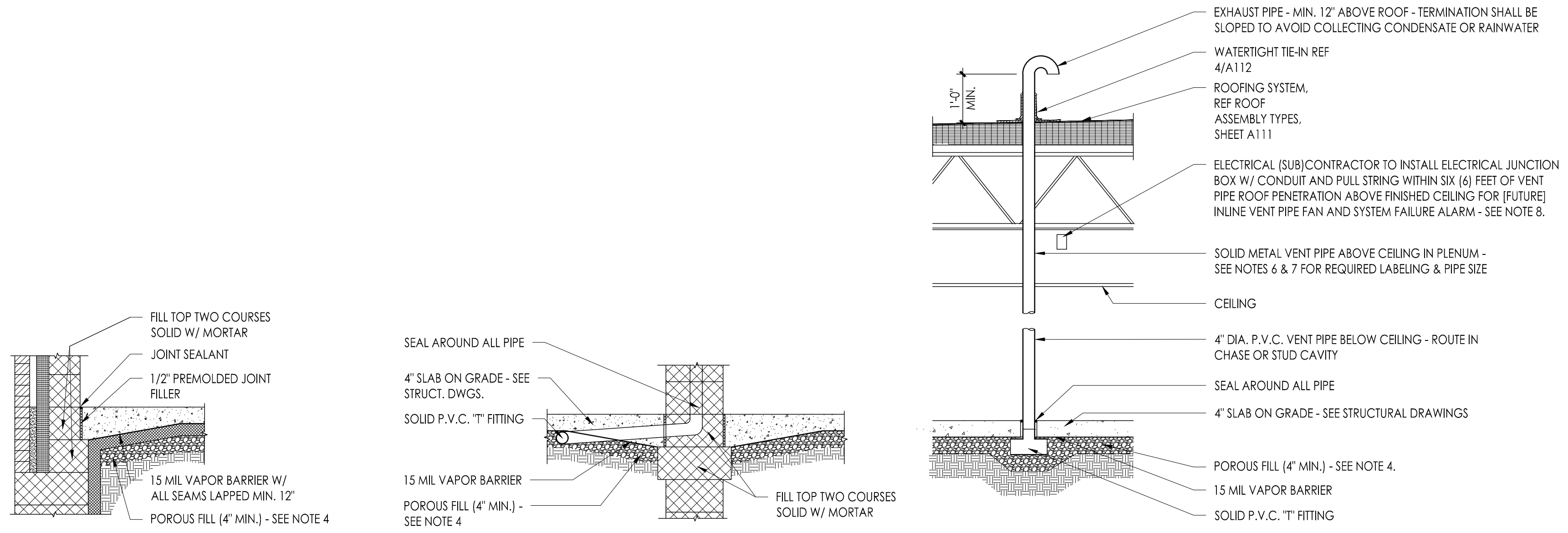
4. FLOORS OF BASEMENTS AND SLAB ON GRADE CONSTRUCTION SHALL BE PLACED OVER A BASE COURSE OF NOT LESS THAN FOUR INCHES (4") IN THICKNESS OF GRAVEL OR CRUSHED STONE CONTAINING NOT MORE THAN TEN PERCENT (10%) OF MATERIAL THAT PASSES THROUGH A No. 4 SIEVE. SEE SOILS REPORT AND SPECIFICATION FOR ACTUAL REQUIRED THICKNESS OF POROUS FILL.

5. GENERAL CONTRACTOR SHALL PROVIDE VENT PIPE AND COORDINATE LOCATION AND ROUTE OF VENT.

6. VENT PIPES SHALL BE LABELED AT INTERVALS OF NOT MORE THAN 25' IN CONCEALED LOCATIONS, NOT MORE THAN 50' IN EXPOSED LOCATIONS AND NOT LESS THAN ONCE IN ANY ROOM OR SPACE. LABELS SHALL READ "RADON REDUCTION SYSTEM".

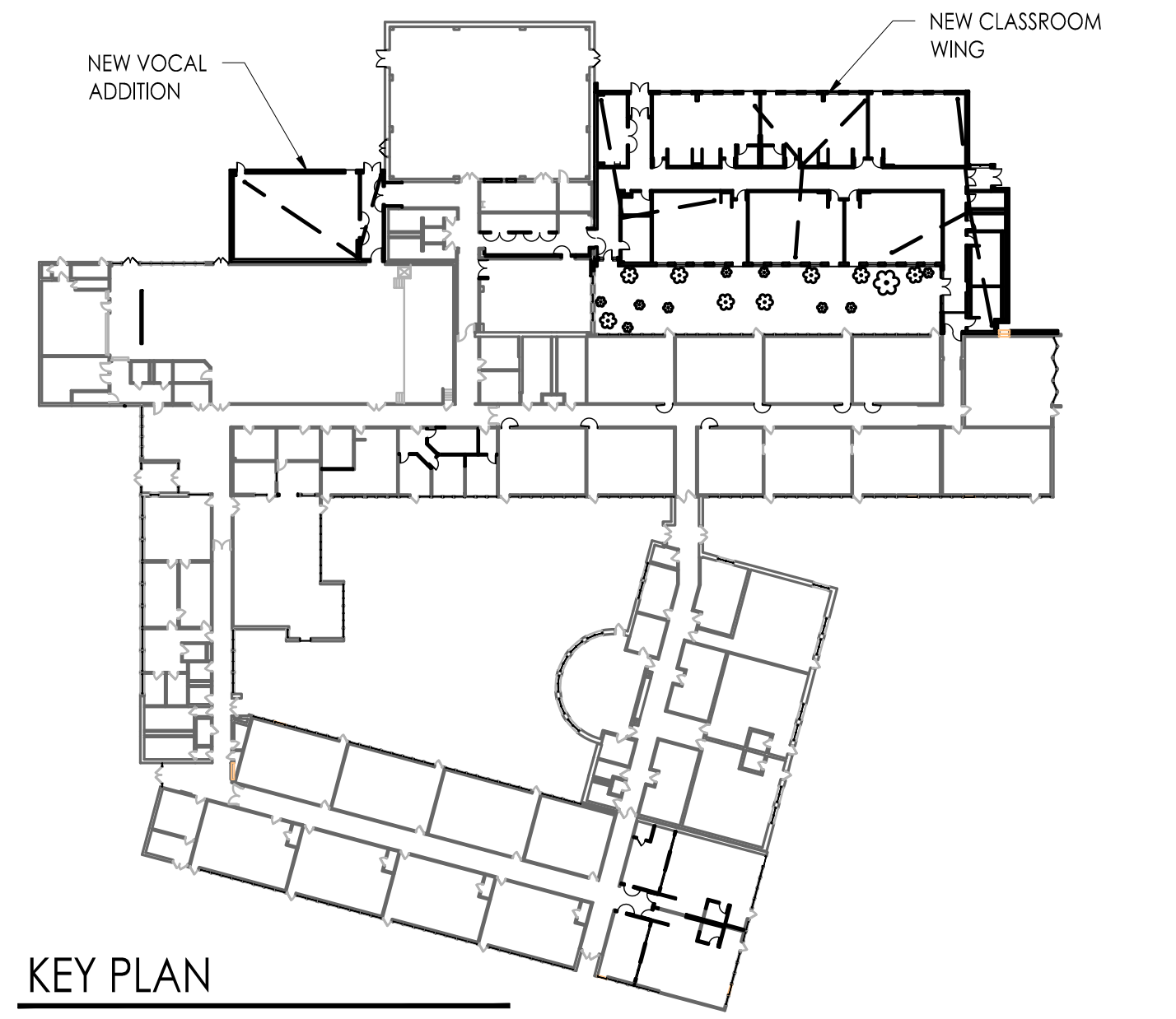
7. VENT PIPES SHALL BE SIZED PER N.J.A.C. 5:23-10.4 TABLE 11.
   - 7.1. 3" DIAMETER PIPE MAXIMUM AREA VENTED 2500 SQ. FT.
   - 7.2. 4" DIAMETER PIPE MAXIMUM AREA VENTED 4000 SQ. FT.
   - 7.3. 6" DIAMETER PIPE UNLIMITED AREA VENTED

8. AN AUDIBLE SYSTEM FAILURE ALARM SHALL BE MONITORED FROM THE SECURITY OFFICE OR A LOCATION AS DIRECTED BY OWNER TO INFORM OCCUPANTS OF A SYSTEM MALFUNCTION.


FILL TOP TWO COURSES SOLID W/ MORTAR
JOINT SEALANT
1/2" PREMOLDED JOINT FILLER
15 MIL VAPOR BARRIER W/ ALL SEAMS LAPPED MIN. 12"
POROUS FILL (4" MIN.) - SEE NOTE 4
SEAL AROUND ALL PIPE
4" SLAB ON GRADE - SEE STRUCT. DWGS.
SOLID P.V.C. "T" FITTING
15 MIL VAPOR BARRIER
POROUS FILL (4" MIN.) - SEE NOTE 4
FILL TOP TWO COURSES SOLID W/ MORTAR
1'-0" MIN.
EXHAUST PIPE - MIN. 12" ABOVE ROOF - TERMINATION SHALL BE SLOPED TO AVOID COLLECTING CONDENSATE OR RAINWATER
WATERTIGHT TIE-IN REF 4/A112
ROOFING SYSTEM, REF ROOF ASSEMBLY TYPES, SHEET A111
ELECTRICAL (SUB)CONTRACTOR TO INSTALL ELECTRICAL JUNCTION BOX W/ CONDUIT AND PULL STRING WITHIN SIX (6) FEET OF VENT PIPE ROOF PENETRATION ABOVE FINISHED CEILING FOR [FUTURE] INLINE VENT PIPE FAN AND SYSTEM FAILURE ALARM - SEE NOTE 8.
SOLID METAL VENT PIPE ABOVE CEILING IN PLENUM - SEE NOTES 6 & 7 FOR REQUIRED LABELING & PIPE SIZE
CEILING
4" DIA. P.V.C. VENT PIPE BELOW CEILING - ROUTE IN CHASE OR STUD CAVITY
SEAL AROUND ALL PIPE
4" SLAB ON GRADE - SEE STRUCTURAL DRAWINGS
POROUS FILL (4" MIN.) - SEE NOTE 4.
15 MIL VAPOR BARRIER
SOLID P.V.C. "T" FITTING

③ RADON REDUCTION SYSTEM DETAILS

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



KEY PLAN

Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
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NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR.., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
SB
Scale
AS NOTED

Drawing Name
RADON PLAN DETAILS, AND NOTES

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A101

DEMOLITION / RENOVATION NOTES:

SEE GENERAL DEMOLITION NOTES ON THIS DRAWING.

GENERAL NOTE: THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, PLUMBING FIXTURES, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM THE SITE.

EXTERIOR / BUILDING

1. REMOVE EXISTING DOOR AND FRAME IN THEIR ENTIRETY, THIS INCLUDES ALL ASSOCIATED HARDWARE (CLOSERS, STOPS, BUMPERS, ETC.). PREP OPENING FOR NEW DOOR AND FRAME, REF DOOR SCHEDULE. CONTRACTORS SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL AND NEW CONSTRUCTION TO MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, CMU AND GYP BOARD FINISHES.
2. REMOVE EXISTING SECURITY CAMERA, HORN, AND ELECTRICAL BOX WITH WIRE FROM EXISTING WALL. RELOCATED COMPONENTS TO THE FACE OF THE NEW FIRE WALL. VERIFY WITH ELECTRICAL AND OWNER ON WHETHER THE HORN AND ELECTRICAL BOX IS STILL IN USE. REMOVE COMPONENTS THAT ARE NOT NECESSARY AND PROPERLY TAKE WIRES BACK TO ELECTRICAL SOURCE OR PANEL.
3. DEMOLISH AND REMOVE EXISTING SIDEWALKS AND DRIVEWAYS TO THE EXTENT SHOWN. SEE CIVIL DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, ETC. UNLESS NOTED OTHERWISE ON SITE WORK DRAWINGS, ALL SITE WORK DEMOLITION WORK IN THIS AREA SHALL BE BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL DAMAGE CAUSED BY SITE WORK DEMOLITION TO MATCH EXISTING ADJACENT FINISH.
4. SAWCUT AND DEMOLISH EXISTING CONCRETE FROST FREE STOOP.
5. RE-GRADE AT ALL DOWNSPOUT LOCATIONS TO PROVIDE POSITIVE DRAINAGE TOWARD INLETS. RE-SEED AS NECESSARY AND PROVIDE NEW SPLASH BLOCK. REMOVE AND TURN OVER TO OWNER ANY EXISTING BLACK PIPE. REF CIVIL
6. REMOVE EXISTING SIDING AND EXTERIOR SHEATHING IN ITS ENTIRETY FROM FINISHED FLOOR ELEVATION TO PARAPET FOR NEW FIREWALL CONSTRUCTION, CUT AND REMOVE EXISTING CONCRETE THRESHOLD BACK TO INTERIOR EXISTING FLOOR, REMOVE ANY EXTERIOR LIGHTING AND CONDUIT , REF ELECTRIC FOR ADDITIONAL ITEMS TO BE REMOVED IN THIS AREA, REF PLAN AND WALL SECTIONS FOR FULL EXTENT OF NEW CONSTRUCTION.
7. CUT AND REMOVE PORTION OF EXISTING CONCRETE THRESHOLD FOR NEW WALL CONSTRUCTION. CUT AND REMOVE EXISTING SIDING AND CORNER TRIM FOR NEW FIRE WALL CONSTRUCTION. KEEP CUTS STRAIGHT AND PLUMB, REF ELEVATIONS FOR ADDITIONAL NOTES AND FULL EXTENT OF NEW CONSTRUCTION
8. REMOVE EXISTING DOWNSPOUT AND SCUPPER ABOVE, THIS INCLUDES ALL STRAPS AND FASTENERS. REF ROOF PLAN FOR ADDITIONAL SCUPPER INFORMATION.
9. REMOVE EXISTING WALL PACK LIGHTING, REF ELECTRIC SHEETS FOR ADDITIONAL INFORMATION AND ITEMS BEING REMOVED.
10. REMOVE PORTION OF EXISTING ROOF OVERHANG AND ASSOCIATED STRUCTURAL STEEL MEMBERS. THIS INCLUDES, BUT IS NOT LIMITED TO, ROOF MEMBRANE, ROOFING INSULATION, METAL FASCIA AND WOOD BLOCKING, REF WALL SECTIONS, ROOF PLAN AND STRUCTURE FOR ADDITIONAL INFORMATION AND EXTENT OF NEW CONSTRUCTION.

WALLS

11. BRACE AND SHORE UP EXISTING ADJACENT WALL CONSTRUCTION TO REMAIN. DEMOLISH AND REMOVE INDICATED EXISTING WALLS IN THEIR ENTIRETY FULL HEIGHT. **NOTE: ALL EXISTING STRUCTURAL COLUMNS SHALL REMAIN.** AT EXTERIOR WALLS REMOVE MASONRY TO 8" MIN BELOW FINISHED FLOOR, TYE.PATCH ADJACENT FLOOR TO SUIT NEW CONDITIONS. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
12. REMOVE EXISTING DOOR AND FRAME OR WINDOW AND FRAME IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED HARDWARE (CLOSERS, STOPS, BUMPERS, ETC.) PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL. CLEAN AND PREP EXISTING OPENING FOR NEW INFILL OR CONSTRUCTION TIE-INS. MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, TILE, FLOORING, BASE, ETC.
13. REMOVE EXISTING WINDOWS IN CLEARSTORY ABOVE. THIS INCLUDES ALL FRAMES, SUB-FRAMES AND FASTENERS. PREP OPENINGS AND JAMBS FOR NEW INFILL.
14. ON EXISTING WALLS TO REMAIN, REMOVE WALL FINISH (TILE, PANELING, WALL PAPER, ACOUSTIC PANELS, ETC., **BUT NOT PLASTER**) IN ITS ENTIRETY DOWN TO SUBSTRATE. CLEAN AND PREPARE WALL TO RECEIVE NEW FINISH. SEE ROOM FINISH SCHEDULE FOR NEW FINISH.
15. EXISTING DOOR AND FRAME TO REMAIN, CONTRACTOR WILL PROTECT DOOR AND FRAME FINISH THROUGH DEMOLITION AND NEW WORK.
16. BRACE AND SHORE UP EXISTING ADJACENT CONSTRUCTION TO REMAIN, REF STRUCTURE. SAWCUT EXISTING CMU FOR THOOTHING IN NEW AND DEMOLISH EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN. REF NEW WORK PLAN AND WALL SECTIONS FOR FULL EXTENT OF NEW CONSTRUCTION. **NOTE: EXISTING STRUCTURAL COLUMNS SHALL REMAIN UNLESS NOTED OTHERWISE.** PATCH AND REPAIR ALL DAMAGE CAUSED BY DEMOLITION AND NEW WORK IN THIS AREA TO MATCH EXISTING ADJACENT FINISH. SEE FLOOR PLAN AND DOOR SCHEDULE.
17. BRACE AND SHORE UP EXISTING ADJACENT CONSTRUCTION TO REMAIN. SAWCUT EXISTING CMU WALL FOR NEW TOOTHING CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN (IN RESPECT TO NEW BORROWED LITE SIZE.) REMOVE CMU (2) COURSES ABOVE OPENING FOR NEW LINTEL CONSTRUCTION. NOTE: EXISTING STRUCTURAL COLUMNS SHALL REMAIN UNLESS NOTED OTHERWISE. PATCH AND REPAIR ALL DAMAGE CAUSED BY DEMOLITION TO MATCH EXISTING ADJACENT FINISH. INFILL OPENING WITH NEW BORROWED LITE AND/OR CONSTRUCTION OF THICKNESS TO MATCH EXISTING ADJACENT WALL.

FLOORS

18. REMOVE EXISTING BASE. REMOVE FLOOR FINISH DOWN TO CONCRETE SLAB, INCLUDING ALL TILE AND ADHESIVES. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES) OVER **ENTIRE SURFACE OF EXISTING FLOOR** TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 03450.
19. SAWCUT SLAB AND REMOVE PORTION OF EXISTING CONCRETE FLOOR, EXCAVATE AS REQUIRED FOR NEW CONCRETE FLOOR. PATCH AND REPAIR EXISTING FLOOR SLAB AND PREP FOR NEW SLAB TIE-IN. SEE STRUCTURAL DRAWINGS WALL SECTIONS FOR FULL EXTENT OF NEW CONSTRUCTION IN THIS AREA. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
20. PATCH AND REPAIR, AS REQUIRED, ALL DAMAGE RESULTING FROM DEMOLITION AND REMOVAL OF EXISTING WALL, DOOR, FRAME AND HARDWARE AND ADJACENT PLUMBING. MATCH EXISTING ADJACENT FINISH. SEE ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA.

CEILINGS

21. REMOVE EXISTING CEILING CONSTRUCTION IN ITS ENTIRETY. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, ETC. TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES - SEE ROOM FINISH SCHEDULE. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL. MATCH EXISTING ADJACENT FINISH. **ALL PLUMBING / HVAC / ELECTRICAL WORK, INCLUDING DEMOLITION, PATCHING AND REPAIR, BY RESPECTIVE TRADE CONTR.**
22. CLEAN AND PREPARE EXISTING EXPOSED STRUCTURE, DECK, ETC. TO REMAIN TO RECEIVE NEW FINISH. SEE ROOM FINISH SCHEDULE FOR NEW FINISH.
23. REPAIR EXISTING CEILING FROM WALL DEMOLITION. PATCH AND REPAIR FOR NEW WALL LAYOUT. REFER TO PLANS FOR WALL LOCATION.

EQUIPMENT

24. REMOVE EXISTING CABINETS, EQUIPMENT, APPLIANCES, LOCKERS, CURTAINS, TOILET PARTITIONS, MIRRORS, BENCHES, SHELVES, ACOUSTIC WALL PANELS, GUARDRAILS, AND/OR HANDRAILS IN THEIR ENTIRETY. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, FLOOR, ETC. TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISHES.
25. REMOVE EXISTING TOILET ACCESSORIES (SOAP DISPENSERS, PAPER TOWEL DISPENSERS, ETC.) IN THEIR ENTIRETY. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, ETC. TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
26. REMOVE EXISTING PROJECTOR SCREENS, PROJECTOR MACHINE AND ALL APPURTENANCES. SALVAGE AND RETURN OWNER FOR THEIR DISCRETION.
27. DEMOLISH AND REMOVE EXISTING TACK STRIPS IN THEIR ENTIRETY INCLUDING MECHANICAL FASTENERS. PATCH, PLUG, FILL AND REFINISH ALL OPENINGS LEFT IN WALL AFTER REMOVAL, INCLUDING THOSE FROM TACK STRIPS PREVIOUSLY REMOVED. RESTORE TO A FINISHED LEVEL/PLUMB CONDITION TO MATCH EXISTING ADJACENT SURFACE FINISHES.
28. REMOVE EXISTING PLUMBING FIXTURES INCLUDING SINKS, AND TOILETS. PATCH AND REPAIR AS NECESSARY AND PREPARE FOR NEW FIXTURES.
29. REMOVE EXISTING DRY ERASE MARKER BOARDS, EXHIBITION BOARDS AND CHALKBOARDS. PATCH AND REPAIR WALLS AS NECESSARY TO MATCH ADJACENT.
30. REMOVE EXISTING PHONE AND ELECTRONIC AV STATION. PATCH AND REPAIR AS NECESSARY AND PREP FOR NEW AV MACHINE.
31 REMOVE AND RELOCATE EXISTING FIRE EXTINGUISHER. PATCH AND REPAIR ANY DAMAGE FROM REMOVAL AS NECESSARY. REFER TO PLANS FOR NEW LOCATION OF FIRE EXTINGUISHER.
32. REMOVE AND RELOCATE EXISTING SPEAKER CLOCK BOX. PATCH AND REPAIR ANY DAMAGE FROM REMOVAL AS NECESSARY. REFER TO PLANS FOR NEW LOCATION OF CLOCK SPEAKER BOX.
33. REMOVE EXISTING WALL SHELVES. PATCH AND REPAIR WALL AS NECESSARY TO MATCH ADJACENT FINISHES.
34. REMOVE EXISTING PIPE. PATCH AND REPAIR ANY DAMAGE AS NECESSARY.

MISCELLANEOUS

35. REMOVE EXISTING SIGNAGE. AT ALL LOCATIONS OF SIGN FASTENERS, REMOVE ANY EXISTING BRICK AND MORTAR THAT IS NOT SOUND AND INTACT AND REPLACE WITH NEW BRICK AND MORTAR TO MATCH EXISTING. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL.
36. REMOVE AND STORE EXISTING DEDICATION PLAQUE AND ALL APPURTENANCES. PRIOR TO RENOVATION, GENERAL CONTRACTOR SHALL PATCH EXISTING WALL TO RESTORE TO A UNIFORM SURFACE. AFTER NEW WALL FINISH IS INSTALLED, REINSTALL PLAQUE IN NEW LOCATION. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
37. REMOVE EXISTING ELECTRIC CONDUIT AND WALL MOUNTED BOXES, REMOVE RECESSED BOXES IN EXTERIOR WALL AND FILL WITH MORTAR, AS REQUIRED, REF ELECTRIC FOR ITEMS BEING REMOVED AND TO REMAIN IN THIS AREA.
38. REMOVE EXISTING DOOR AND PREP EXISTING FRAME FOR NEW DOOR WITH REVERSE SWING. SEE DOOR SCHEDULE NOTE # 15.
39. EXTEND CONDENSER PIPE THRU NEW FIRE WALL. SEAL WITH PROPER FIRE-THRU WALL SEALANT.
40. REMOVE EXISTING MECHANICAL LOUVER FROM EXISTING WALL AND REPLACE IN NEW FIRE WALL. PROVIDE NEW EXTENDED SLEEVE, REF. MECHANICAL, AND SEAL WITH PROPER FIRE-THRU WALL SEALANT.
41. REMOVE MECHANICAL LOUVER IN WALL. VERIFY WITH MECHANICAL ENG. ON WHETHER THE LOUVER IS STILL IN USE. IF NOT IN USE, BLOCK UP OPENING WITH CMU BLOCKS. IF LOUVER IS STILL CONNECTED TO A SOURCE, THEN REPLACE LOUVER WITH NEW AND EXTEND WITH SLEEVE INTO THE NEW FIREWALL.
42. RELOCATE EXISTING SCUPPER BOX AND DOWNSPOUT OVER TO ACCOMMODATE FOR NEW FIRE WALL. MODIFY OPENING OF SCUPPER TO ALLOW FOR PROPER DRAINAGE TO THE DOWNSPOUT. AFFIX WITH STRAPS AND FASTENERS AND RECONNECT TO EXISTING BOOT.

GENERAL DEMOLITION NOTES:

A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.

B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADE SUBCONTRACTOR. ALL EQUIPMENT, DEVICES, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE SUBCONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.

C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.

E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.

F. IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.

G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.

H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.

I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.

J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.

K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE PARTIAL DEMOLITION OF WALLS AT THE POINTS WHERE NEW STEEL CONNECTS TO EXISTING BEAMS OR COLUMNS, THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.

L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.

M. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING - SEE SPECIFICATION.

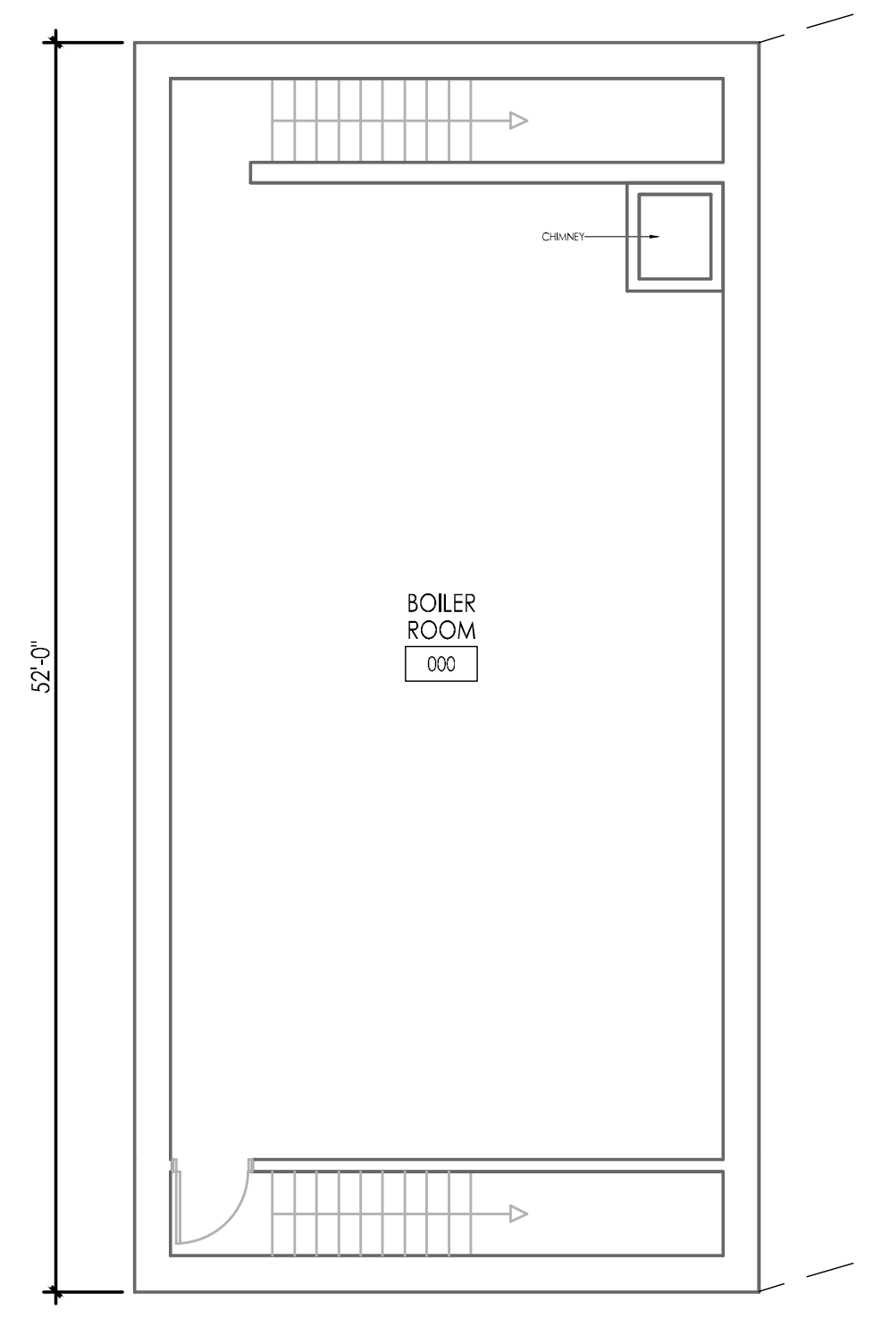
N. THE CONTRACTOR SHALL INSPECT ALL EXISTING ROOF DRAIN PIPING AND CONNECTIONS IN THE WORK AREA TO DETERMINE THAT PROPER "LEAK-PROOF" CONNECTIONS EXIST. IF ANY LEAKS EXIST (IE. DAMAGED PIPES, INSULATION, CLOGS, ETC.), THEN THE CONTRACTOR SHALL CORRECT ANY AND ALL DEFICIENCIES THAT MAY EXIST.

O. IN ROOMS WHERE EXISTING FLOOR FINISH AND BASE ARE INDICATED TO BE REMOVED, IF ASBESTOS TILE IS ENCOUNTERED, STOP REMOVAL AND NOTIFY OWNER IMMEDIATELY. ASBESTOS TILE SHALL BE REMOVED DOWN TO THE EXISTING CONCRETE SLAB AND THE SURFACE PREPARED FOR NEW FINISH BY OTHERS PRIOR TO CONTINUING WITH RENOVATION WORK. AFTER ASBESTOS ABATEMENT, THE GENERAL CONTRACTOR SHALL CLEAN SLAB TO REMOVE ADHESIVES AND INFILL WITH SELF-DRYING FINISHING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES) OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. APPLY NEW FINISH AND BASE - SEE ROOM FINISH SCHEDULE.

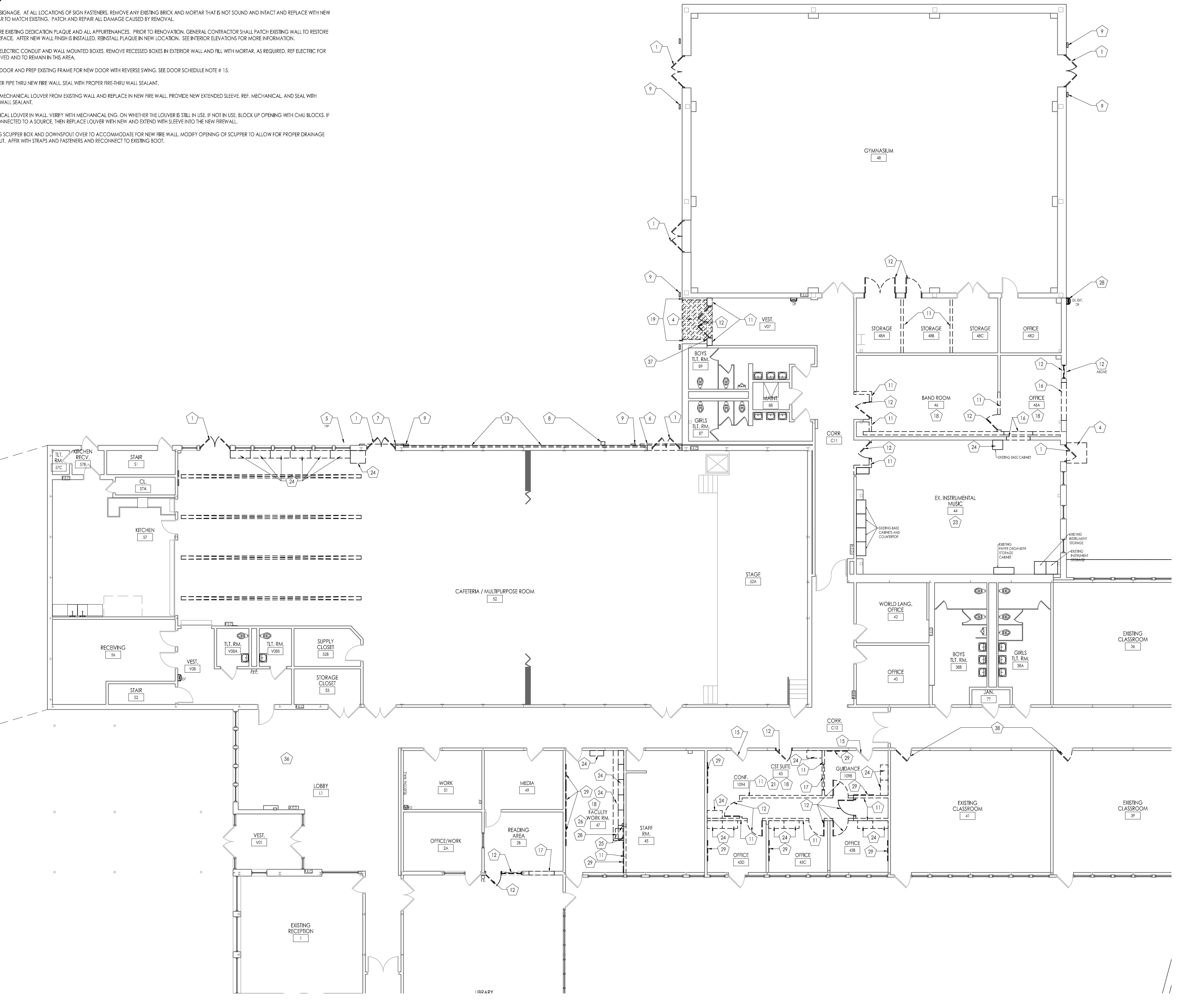
P. IF DURING THE DEMOLITION, RENOVATION AND ALTERATION WORK IN THE EXISTING BUILDING, STRUCTURAL ELEMENTS ARE UNCOVERED AND ARE FOUND TO BE UNSOUND OR OTHERWISE STRUCTURALLY DEFICIENT, THE GENERAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD OF THE CONDITION SO THAT APPROPRIATE MEASURES TO REINFORCE, SUPPORT OR REPLACE THE UNSOUND ELEMENTS CAN BE DESIGNED AND IMPLEMENTED.

Q. CONTRACTOR SHALL MAINTAIN ALL EXISTING FIRE-RATED CONSTRUCTION ASSEMBLIES, INCLUDING PROTECTED OPENINGS (DOORS, ETC.) DURING DEMOLITION AND ALTERATION WORK IN ORDER TO MAINTAIN EXISTING LIFE SAFETY AND EGRESS. CONTRACTOR IS RESPONSIBLE FOR ALL SEQUENCING AND SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES UNTIL NEW WORK IS READY FOR INSTALLATION. CONTRACTOR SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES BEYOND THAT WHICH CAN BE REPLACED IN A SINGLE DAY.

R. DARK, DASHED LINES ON THE DEMOLITION PLAN, WHETHER TAGGED OR NOT, INDICATES WORK THAT SHALL BE INCLUDED AS PART OF THE DEMOLITION/RENOVATION SCOPE. COORDINATE WITH WORK SHOWN ON THE FLOOR PLANS



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



DEMOLITION PLAN - BLOCK 'A'
1/8" = 1'-0"

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Architect
Date

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Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

Scale
AS NOTED

Drawing Name
DEMOLITION PLAN & DEMOLITION NOTES BLOCK 'A'

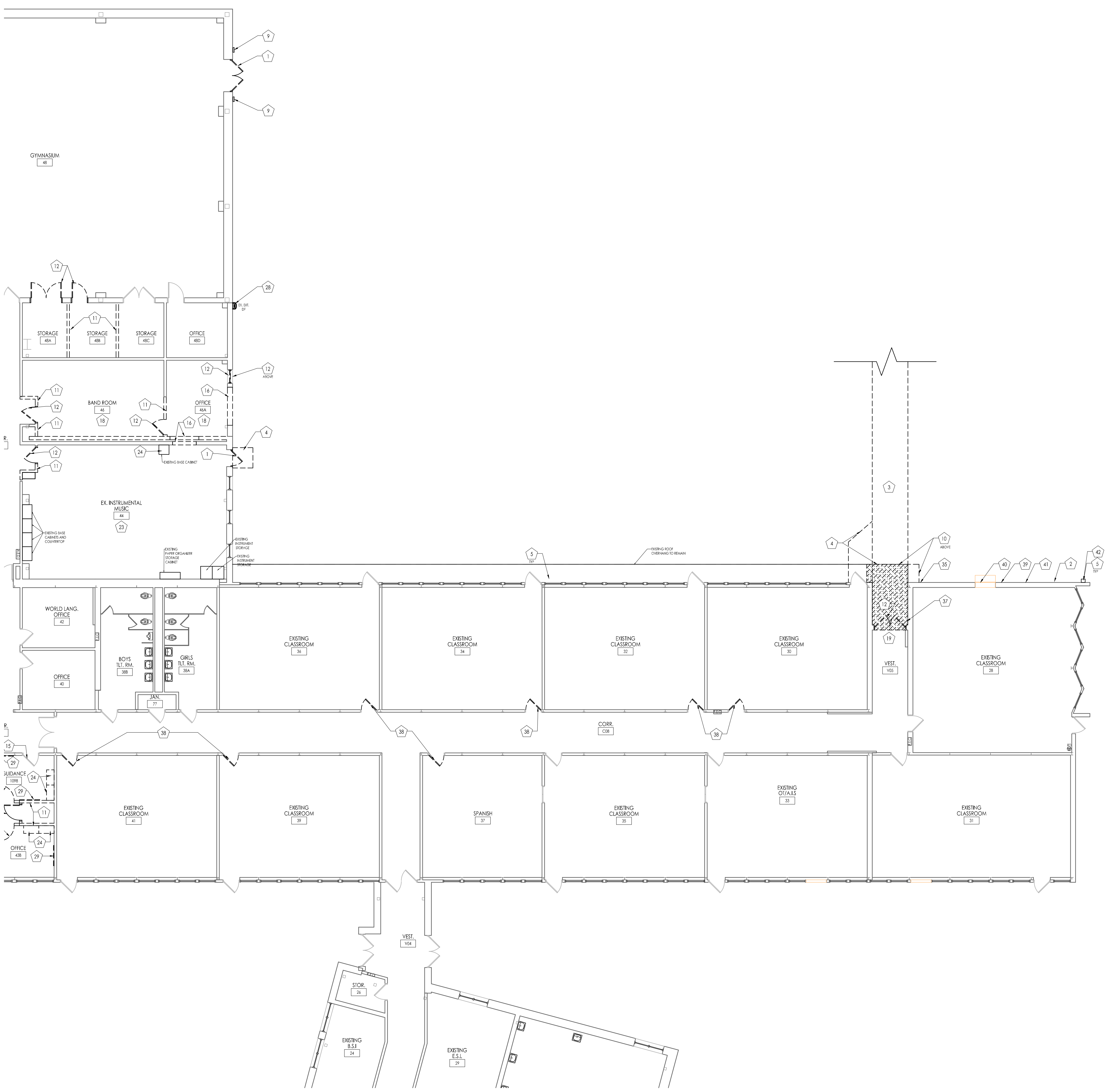
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A102

GENERAL SHEET NOTES:

A. REF SHEET A102 FOR KEY NOTE LEGEND



1 DEMOLITION PLAN - BLOCK 'B'
1/8" = 1'-0"

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Drawing Name
DEMOLITION PLAN & DEMOLITION NOTES
BLOCK 'B'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
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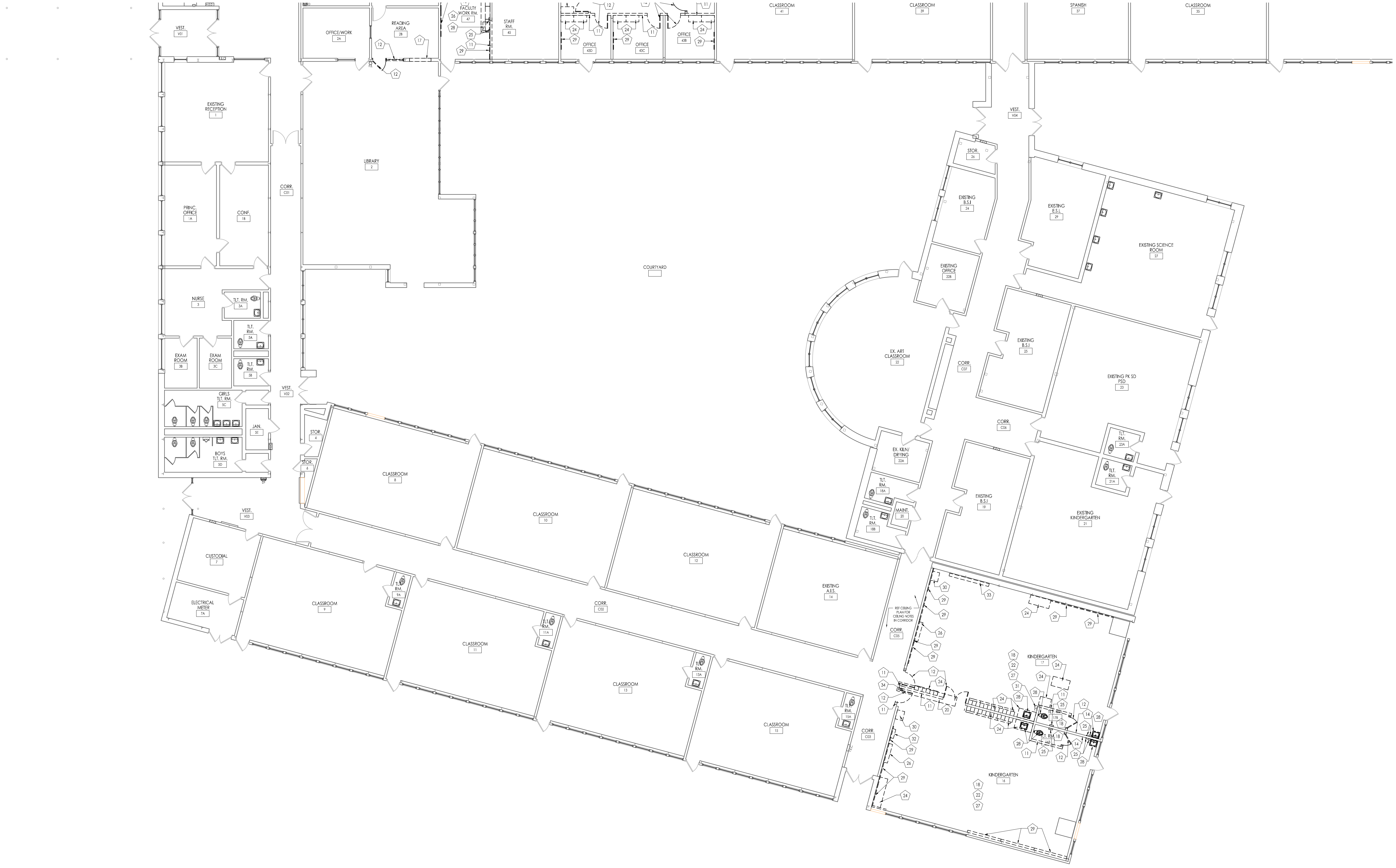
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A103

GENERAL SHEET NOTES:

A. REF SHEET A102 FOR KEY NOTE LEGEND



DEMOLITION PLAN - BLOCK 'C'

1/8" = 1'-0"

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Date

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Project Name
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Princeton Public Schools

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Project Number	5516D
Project Date	10.10.2025
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Drawn By	MJS
Scale	AS NOTED

Drawing Name
DEMOLITION PLAN & DEMOLITION NOTES
BLOCK 'C'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
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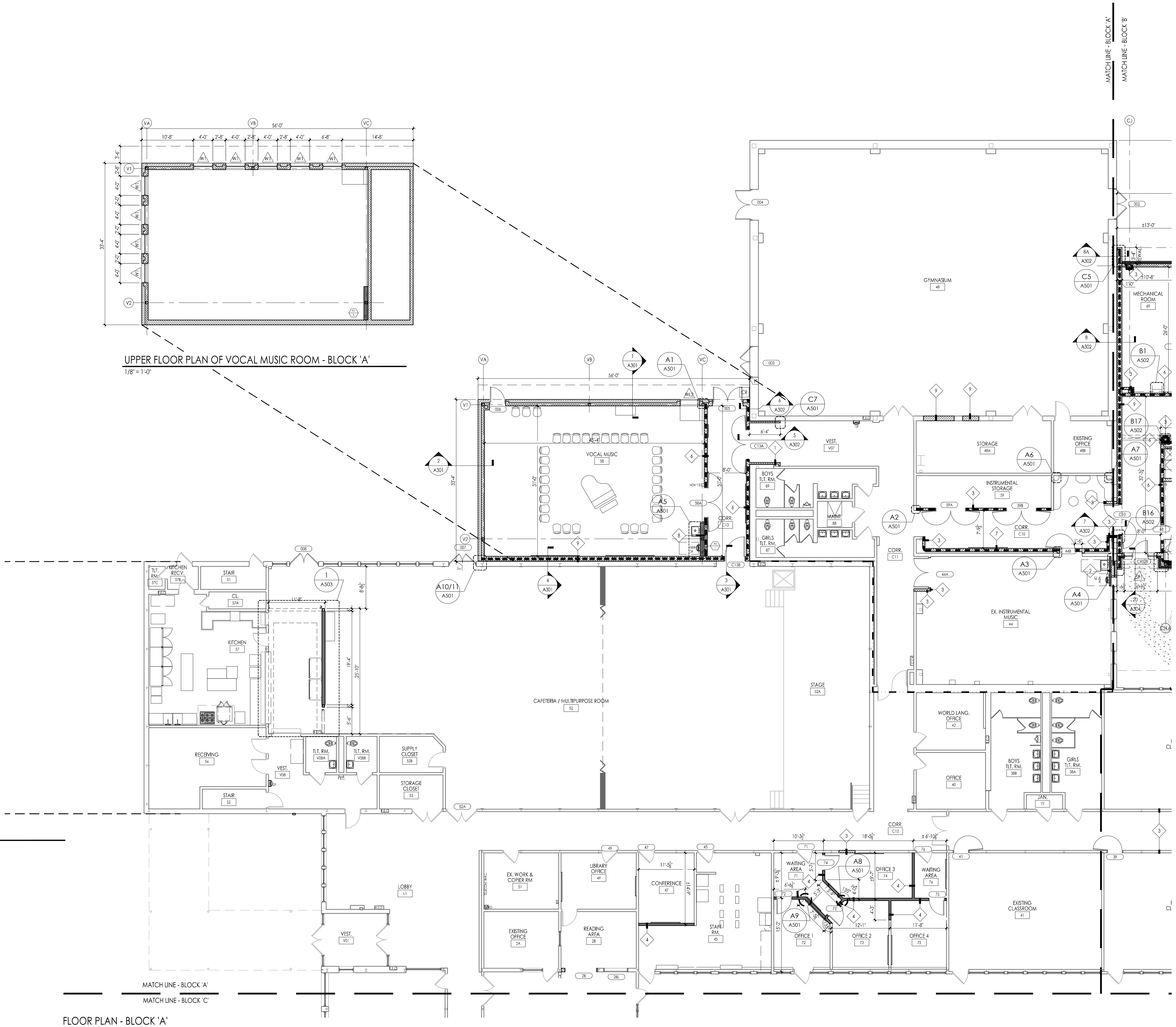
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A104

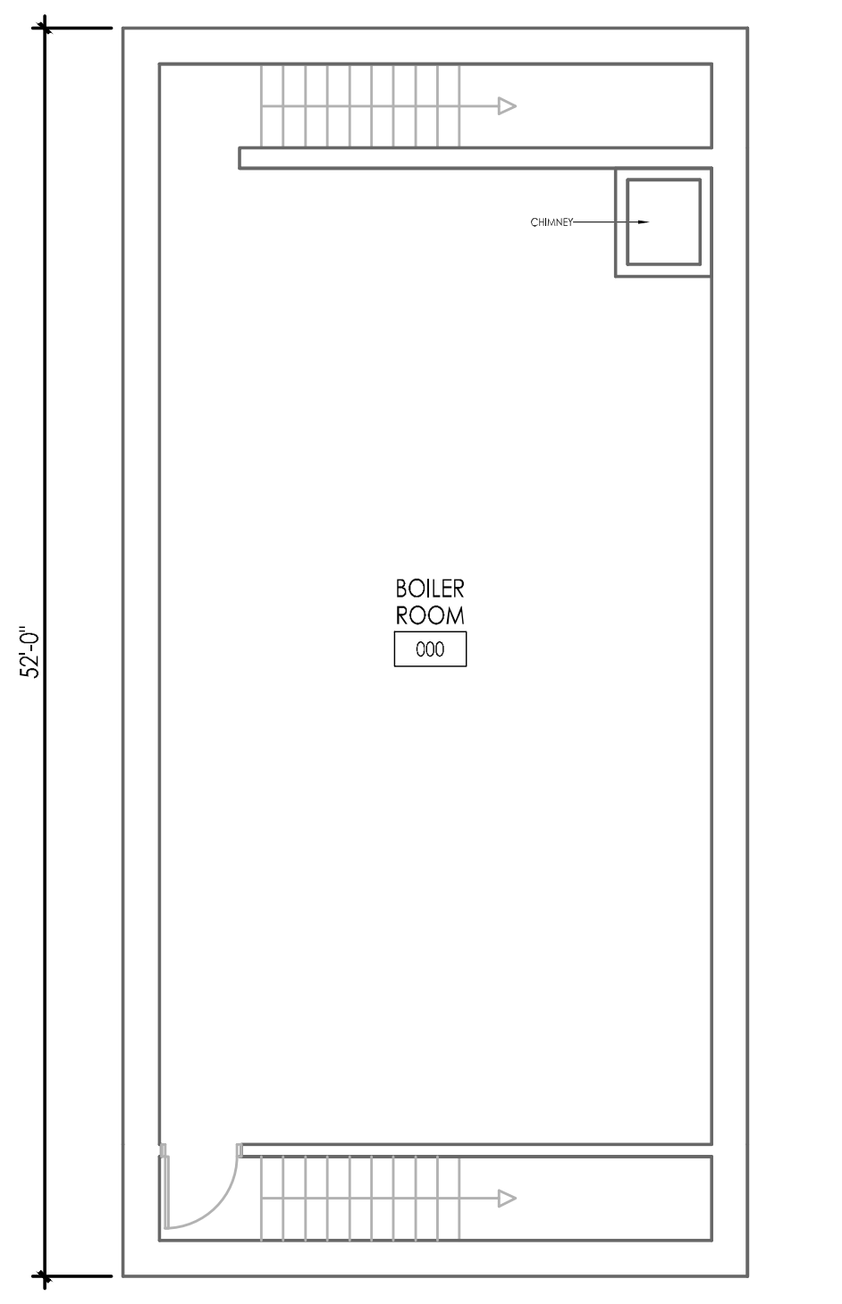
GENERAL PLAN NOTES:

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF STEEL DECK UNLESS NOTED OTHERWISE.
2. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS OF EXTERIOR CONTROL JOINTS - SEE ALSO DTL. 3 / G004.
3. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 25'-0" O.C. FINAL LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
4. SEE STRUCTURAL DRAWINGS FOR SEISMIC REINFORCEMENT DETAILS AND REQUIREMENTS FOR ALL INTERIOR AND EXTERIOR MASONRY WALLS.
5. ALL EXPOSED EXTERIOR STEEL LINTELS SHALL BE PAINTED GALVANIZED STEEL.
6. ALL BIDDERS MUST VISIT THE SITE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING A BID. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE BIDDER(S) MUST NOTIFY THE ARCHITECT OF THESE, IN WRITING, AT LEAST TEN (7) WORKING DAYS PRIOR TO RECEIPT OF BIDS. IF THEY DO NOT DO SO, ANY MODIFICATION OR CORRECTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
7. EXISTING CORRIDOR WALLS ARE CLASSIFIED AS 6" CINDER BLOCKS, 1HR FIRE RATED - PER 2021 IBC NJ ED., TABLE 721.1(2) ITEM# 3-1.3.
8. NEW ROOM AND CORRIDOR WALLS ARE TAGGED PER "WALL PARTITION TYPES" FOUND ON SHEET A105.

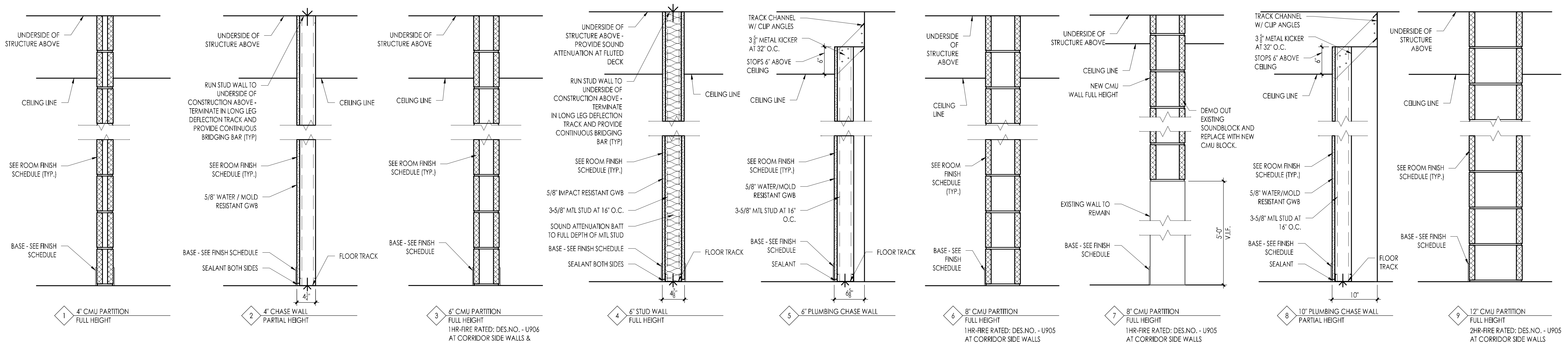


UPPER FLOOR PLAN OF VOCAL MUSIC ROOM - BLOCK 'A'
1/8" = 1'-0"

FLOOR PLAN - BLOCK 'A'
1/8" = 1'-0"



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


UNDERSIDE OF STRUCTURE ABOVE
CEILING LINE
SEE ROOM FINISH SCHEDULE (TYP.)
BASE - SEE FINISH SCHEDULE
RUN STUD WALL TO UNDERSIDE OF CONSTRUCTION ABOVE - TERMINATE IN LONG LEG DEFLECTION TRACK AND PROVIDE CONTINUOUS BRIDGING BAR (TYP)
5/8" WATER / MOLD RESISTANT GWB
SEALANT BOTH SIDES
FLOOR TRACK
UNDERSIDE OF STRUCTURE ABOVE - PROVIDE SOUND ATTENUATION AT FLUTED DECK
5/8" IMPACT RESISTANT GWB
3-5/8" MTL STUD AT 16" O.C.
SOUND ATTENUATION BATT TO FULL DEPTH OF MTL STUD
TRACK CHANNEL W/ CLIP ANGLES
3 5/8" METAL KICKER AT 32" O.C.
STOPS 6" ABOVE CEILING
SEALANT
NEW CMU WALL FULL HEIGHT
DEMO OUT EXISTING SOUNDBLOCK AND REPLACE WITH NEW CMU BLOCK.
EXISTING WALL TO REMAIN
5'-0" V.I.F.
4 1/4"
4 7/8"
6 5/8"
10"

1 4" CMU PARTITION
FULL HEIGHT

2 4" CHASE WALL
PARTIAL HEIGHT

3 6" CMU PARTITION
FULL HEIGHT
1HR-FIRE RATED: DES.NO. - U906
AT CORRIDOR SIDE WALLS & STRUCTURE

4 6" STUD WALL
FULL HEIGHT

5 6" PLUMBING CHASE WALL

6 8" CMU PARTITION
FULL HEIGHT
1HR-FIRE RATED: DES.NO. - U905
AT CORRIDOR SIDE WALLS

6A 2HR-FIRE RATED: DES.NO. - U905
AT CORRIDOR SIDE WALLS

7 8" CMU PARTITION
FULL HEIGHT
1HR-FIRE RATED: DES.NO. - U905
AT CORRIDOR SIDE WALLS

8 10" PLUMBING CHASE WALL
PARTIAL HEIGHT

9 12" CMU PARTITION
FULL HEIGHT
2HR-FIRE RATED: DES.NO. - U905
AT CORRIDOR SIDE WALLS

WALL PARTITION TYPES
1" = 1'-0"

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Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

Scale
AS NOTED

Drawing Name
FLOOR PLAN, WALL PARTITION TYPES & PLAN CONSTRUCTION NOTES
BLOCK 'A'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
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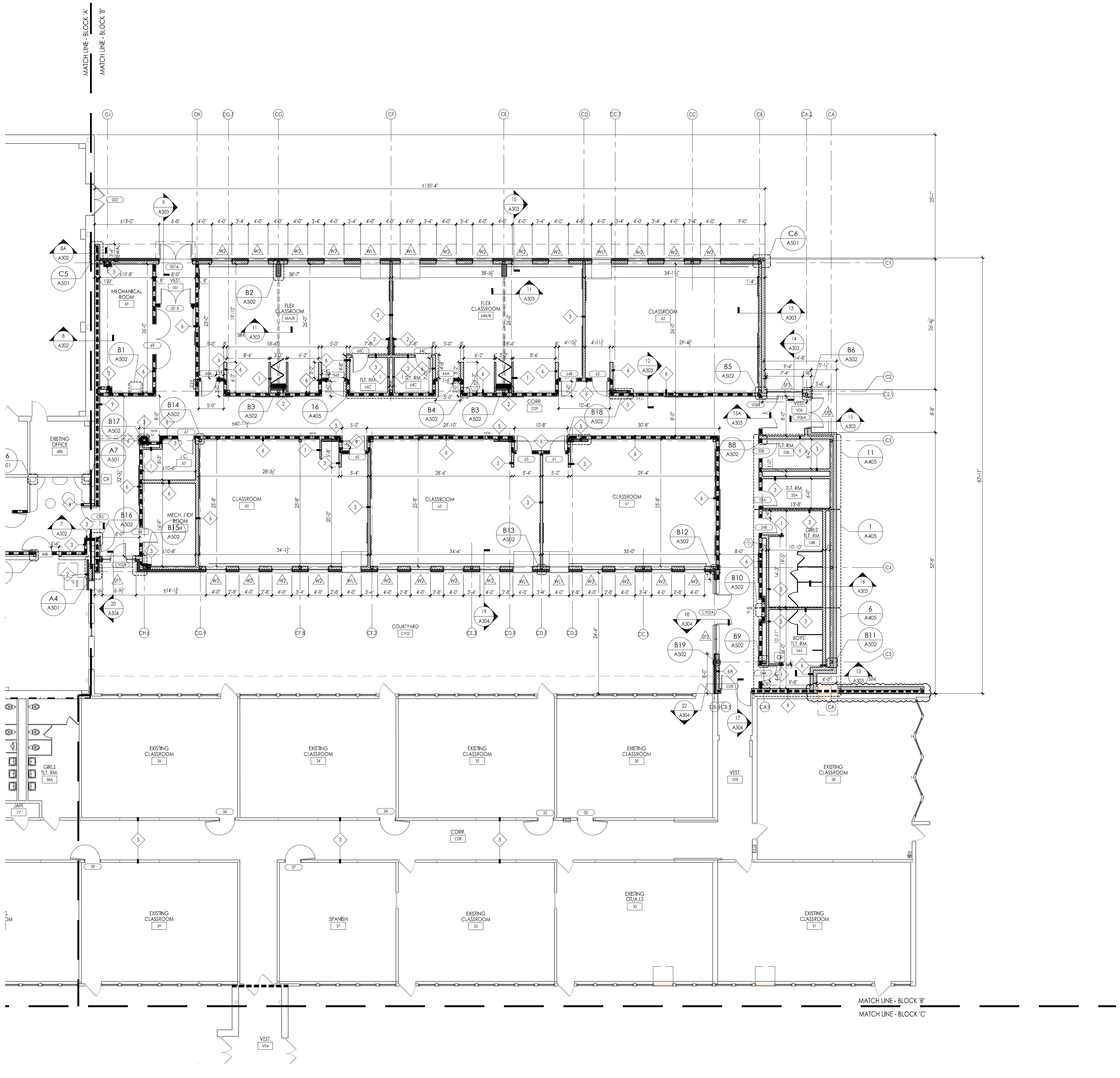
Drawing Number
A105



FLOOR PLAN - BLOCK 'B'

1/8" = 1'-0"

GENERAL PLAN NOTES:

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF STEEL DECK UNLESS NOTED OTHERWISE.
2. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS OF EXTERIOR CONTROL JOINTS - SEE ALSO DTL. 3 / G004.
3. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 25'-0" O.C. FINAL LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
4. SEE STRUCTURAL DRAWINGS FOR SEISMIC REINFORCEMENT DETAILS AND REQUIREMENTS FOR ALL INTERIOR AND EXTERIOR MASONRY WALLS.
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7. EXISTING CORRIDOR WALLS ARE CLASSIFIED AS 6" CINDER BLOCKS, 1HR FIRE RATED - PER 2021 IBC NJ ED., TABLE 721.1(2) ITEM# 3-1.3.
8. NEW ROOM AND CORRIDOR WALLS ARE TAGGED PER "WALL PARTITION TYPES" FOUND ON SHEET A105.

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Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

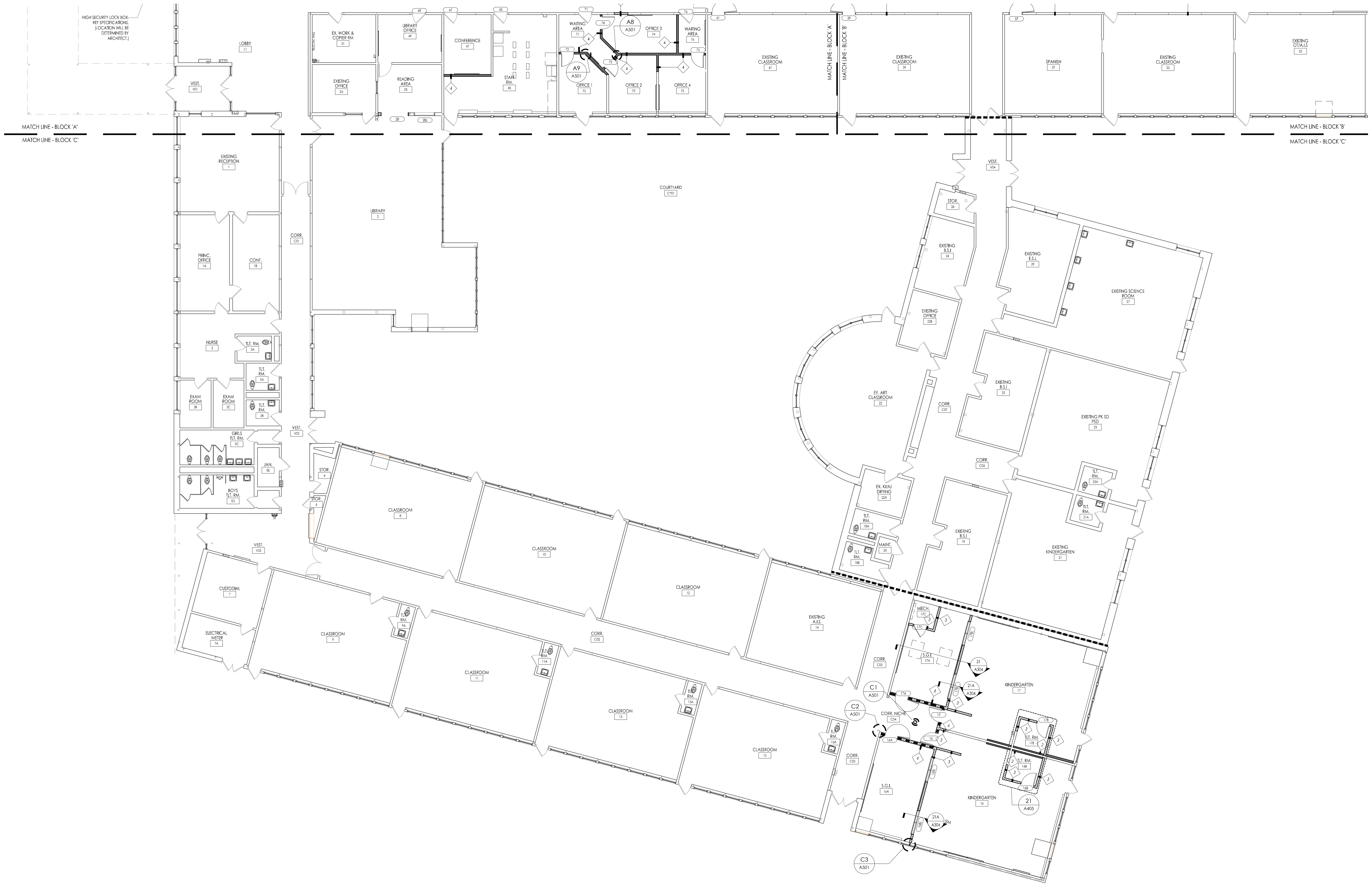
Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
MJS
Scale
AS NOTED

Drawing Name
FLOOR PLAN &
CONSTRUCTION
NOTES
BLOCK 'B'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A106



GENERAL PLAN NOTES:

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF STEEL DECK UNLESS NOTED OTHERWISE.
2. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS OF EXTERIOR CONTROL JOINTS - SEE ALSO DTL. 3 / G004.
3. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 25'-0" O.C. FINAL LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
4. SEE STRUCTURAL DRAWINGS FOR SEISMIC REINFORCEMENT DETAILS AND REQUIREMENTS FOR ALL INTERIOR AND EXTERIOR MASONRY WALLS.
5. ALL EXPOSED EXTERIOR STEEL LINTELS SHALL BE PAINTED GALVANIZED STEEL.
6. ALL BIDDERS MUST VISIT THE SITE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING A BID. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE BIDDER(S) MUST NOTIFY THE ARCHITECT OF THESE, IN WRITING, AT LEAST TEN (7) WORKING DAYS PRIOR TO RECEIPT OF BIDS. IF THEY DO NOT DO SO, ANY MODIFICATION OR CORRECTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
7. EXISTING CORRIDOR WALLS ARE CLASSIFIED AS 6" CINDER BLOCKS, 1HR FIRE RATED - PER 2021 IBC NJ ED., TABLE 721.1(2) ITEM# 3-1.3.
8. NEW ROOM AND CORRIDOR WALLS ARE TAGGED PER "WALL PARTITION TYPES" FOUND ON SHEET A105.

FLOOR PLAN - BLOCK 'C'
1/8" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
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FLOOR PLAN & CONSTRUCTION NOTES
BLOCK 'C'

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5	01.23.26	NJ DCA REVISIONS

Drawing Number
A107

ACOUSTICAL FIXTURE SCHEDULE				
CEILING TYPES		MANUFACTURER	SIZE	REMARKS
BFL-1	WING CEILING BAFFLE	ACOUFELT	3'-8 1/2"	COLOR 1
BFL-2	WING CEILING BAFFLE	ACOUFELT	3'-8 1/2"	COLOR 2
BFL-3	WING CEILING BAFFLE	ACOUFELT	LENGTH 2	COLOR 1
BFL-4	WING CEILING BAFFLE	ACOUFELT	LENGTH 2	COLOR 2
BFL-5	LINEAR CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	COLOR 1
BFL-6	LINEAR CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	COLOR 2
DCS-1	HEXAGON CEILING BAFFLE	ACOUFELT	36"	SEE ELEVATION FOR HEIGHTS AND PLAN FOR ORIENTATION
DCS-2	HEXAGON CEILING BAFFLE	ACOUFELT	24"	SEE ELEVATION FOR HEIGHTS AND PLAN FOR ORIENTATION

SPECIALTY LIGHTING FIXTURE SCHEDULE				
CEILING TYPES		MANUFACTURER	SIZE	REMARKS
LT-1	LOOPITA DIRECT	CORONET	36" WIDE	EMERALD FELT COLOR
LT-2	LOOPITA DIRECT	CORONET	18" WIDE	EMERALD FELT COLOR
LT-3	LOOPITA CURVE	CORONET	12' LONG SEGMENTS	-
LT-4	TRUSS LED CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	-
LT-5	HIGH PERFORMANCE 2" APERTURE CIRCLE	FINELITE	4 FOOT NOMINAL SIZE	-

REFLECTED CEILING PLAN LEGEND

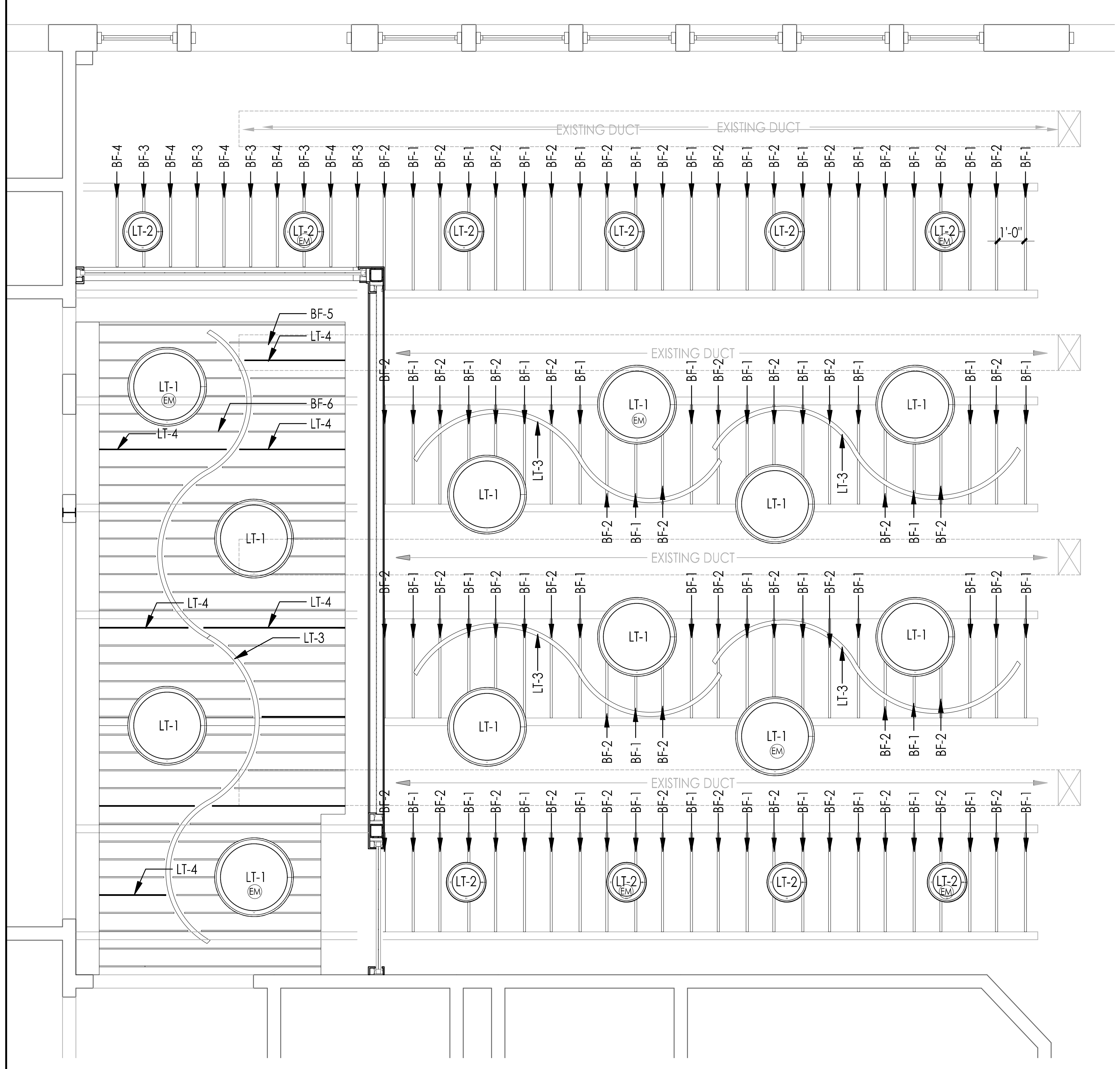
⊕	ELEVATION DATUM - A.F.F.
⊞	ACB-1 -2'x4' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
◫	ACB-2 - 2'x2' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
⊞	AACB - 2'x4' ACRYLIC ACOUSTICAL CEILING BOARD -SEE FINISH SCHEDULE FOR LOCATION
▨	ACB-3 - 2'x2' ACOUSTICAL CEILING BOARD COLOR 2 - SEE FINISH SCHEDULE FOR LOCATION
▒	PAINTED GYPSUM BOARD SOFFIT
⊠	SUPPLY / RETURN / EXHAUST DIFFUSER (SEE HVAC DRAWINGS)
⊠	LIGHTS (SEE ELECTRICAL DRAWINGS)

SAFETY & EMERGENCY LIGHTS (SEE ELECTRICAL DRAWINGS)

EX	EXIT SIGN W/ BATTERY BACK-UP
EX	DIRECTIONAL EXIT SIGN W/ BATTERY BACK-UP
EM	FIXTURES ON EMERGENCY CIRCUIT

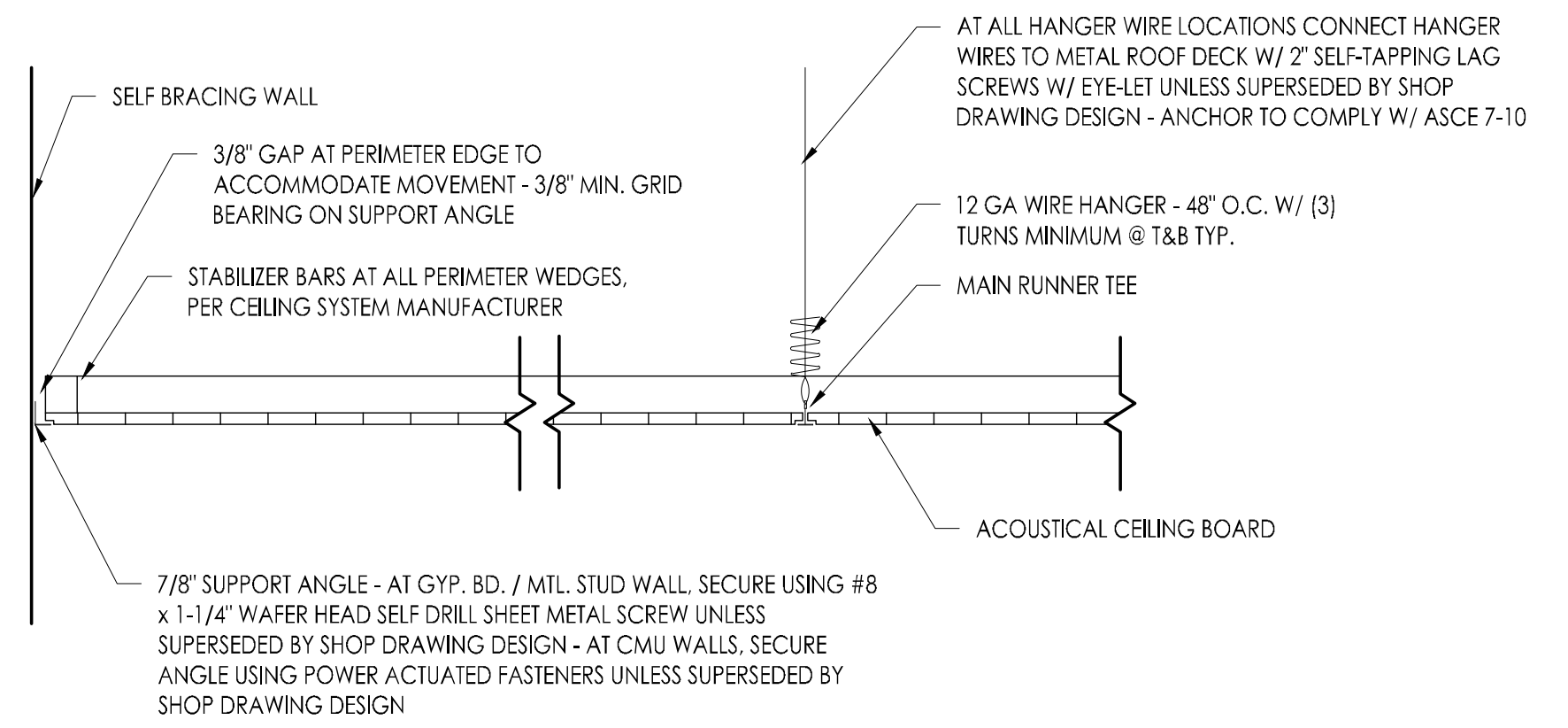
NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPE, SIZE AND ADDITIONAL INFORMATION.
2. ALL SPRINKLER HEADS, DIFFUSERS AND LIGHTS TO BE CENTERED IN THE GWB OR ACB CEILING UNLESS NOTED OTHERWISE
3. GENERAL, HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO COORDINATE LOCATION OF SPRINKLER HEADS DIFFUSERS AND LIGHTS.
4. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS
5. A.F.F. = ABOVE FINISH FLOOR (MAIN DATUM ELEVATION)



2 ENLARGED CAFETERIA REFLECTED CEILING PLAN

1/2" = 1'-0"

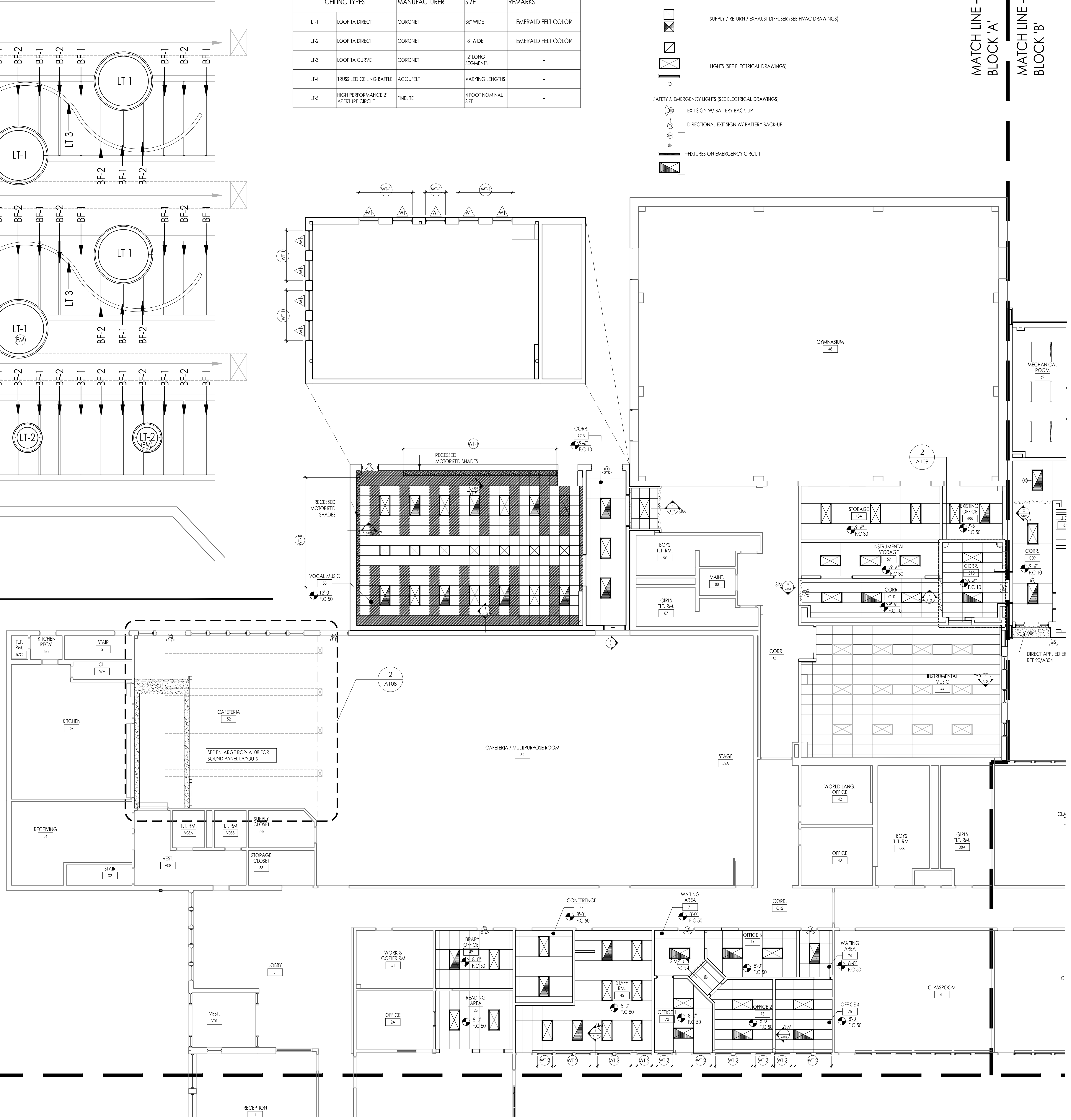

SELF BRACING WALL
3/8" GAP AT PERIMETER EDGE TO ACCOMMODATE MOVEMENT - 3/8" MIN. GRID BEARING ON SUPPORT ANGLE
STABILIZER BARS AT ALL PERIMETER WEDGES, PER CEILING SYSTEM MANUFACTURER
AT ALL HANGER WIRE LOCATIONS CONNECT HANGER WIRES TO METAL ROOF DECK W/ 2" SELF-TAPPING LAG SCREWS W/ EYE-LET UNLESS SUPERSEDED BY SHOP DRAWING DESIGN - ANCHOR TO COMPLY W/ ASCE 7-10
12 GA WIRE HANGER - 48" O.C. W/ (3) TURNS MINIMUM @ T&B TYP.
MAIN RUNNER TEE
ACOUSTICAL CEILING BOARD
7/8" SUPPORT ANGLE - AT GYP. BD. / MTL. STUD WALL, SECURE USING #8 x 1-1/4" WAFER HEAD SELF DRILL SHEET METAL SCREW UNLESS SUPERSEDED BY SHOP DRAWING DESIGN - AT CMU WALLS, SECURE ANGLE USING POWER ACTUATED FASTENERS UNLESS SUPERSEDED BY SHOP DRAWING DESIGN

NOTE: *INSTALL SUSPENSION SYSTEMS TO COMPLY WITH MANUFACTURER'S RECOMMENDED INSTALLATION, ASTM C636 AND PER SPECIFICATION (TYP.) LOCATE HANGERS NOT LESS THAN 6" FROM EACH END AND SPACED 48" ALONG EACH CARRYING CHANNEL OR DIRECT HUNG RUNNER, UNLESS OTHERWISE INDICATED. LEVELING TO TOLERANCE OF 1/8" IN 12'-0".*

3 TYPICAL ACOUSTICAL CEILING SYSTEM DETAIL

1/4" = 1'-0"

MECHO SHADE EQUIPMENT KEY (X)	
MARK	REMARKS
WT-1	SINGLE MULTI-BANDED ELECTROL MECHOSHADE IN 4124 POCKET WITH 0270 CHELSEA ROOM-DARKENING FABRIC
WT-2	DOUBLE MANUAL M5-WI SURFACE-MOUNTED ROLLER SHADES WITH FASCIA IN 0270 CHELSEA AND 1350 ECOVEIL FABRIC
WT-3	DOUBLE MANUAL M5-WI JAMB-MOUNTED MECHOSHADES WITH FASCIA IN 0270 CHELSEA AND 1350 ECOVEIL FABRIC
WT-4	MOTOR SPRING SKYLIGHT SHADE SURFACE MOUNTED WITH FASCIA IN 0800 SERIES DISTINCTIVE BLACKOUT
WT-5	SINGLE MOTORIZED ELECTRO2 MECHOSHADE WITH WALL ANGLE BRACKETS AND FASCIA IN 0270 CHELSEA ROOM-DARKENING FABRIC



1 REFLECTED CEILING PLAN - BLOCK 'A'

1/8" = 1'-0"

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
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Drawing Name
REFLECTED CEILING PLANS

BLOCK 'A'

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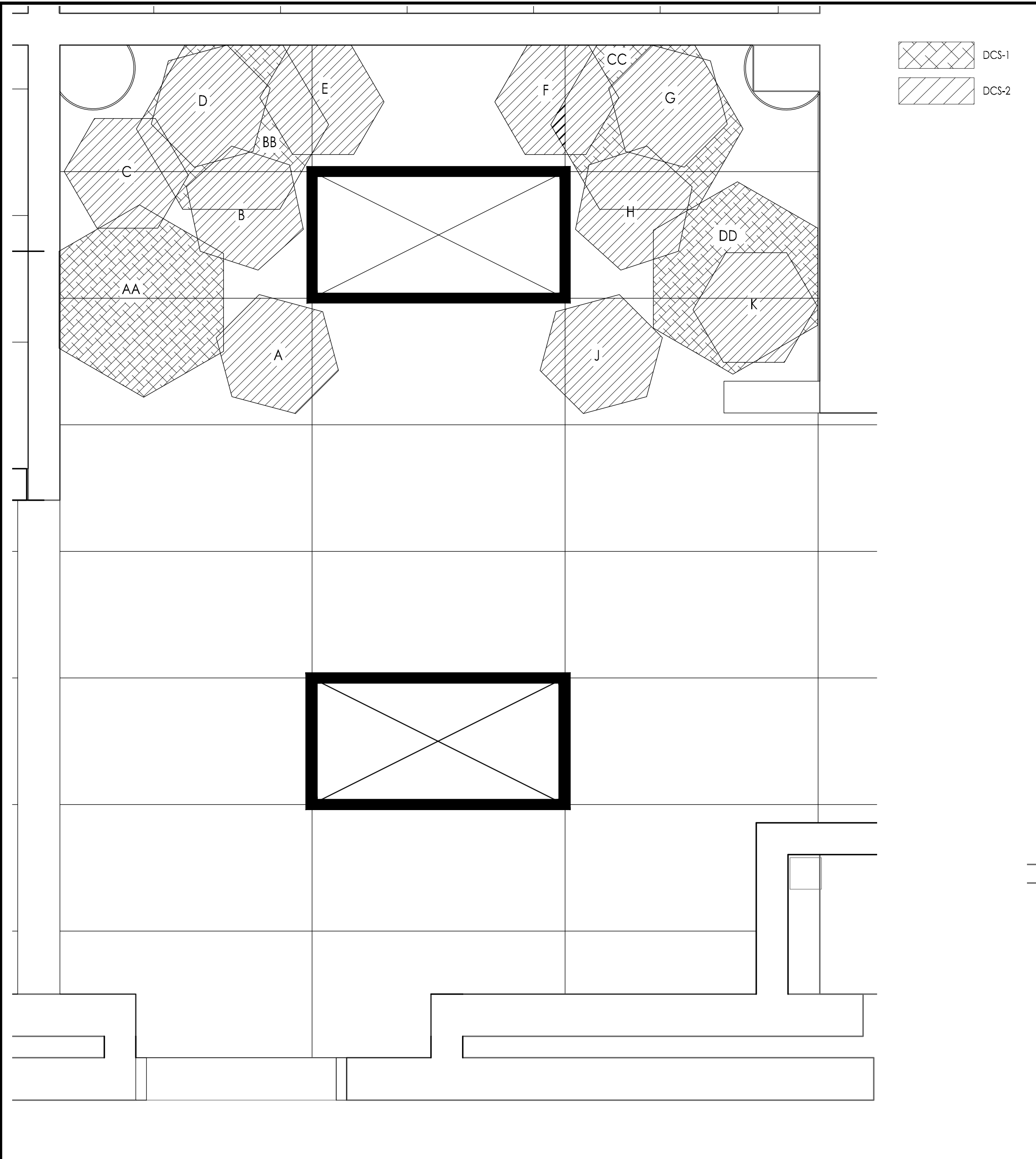
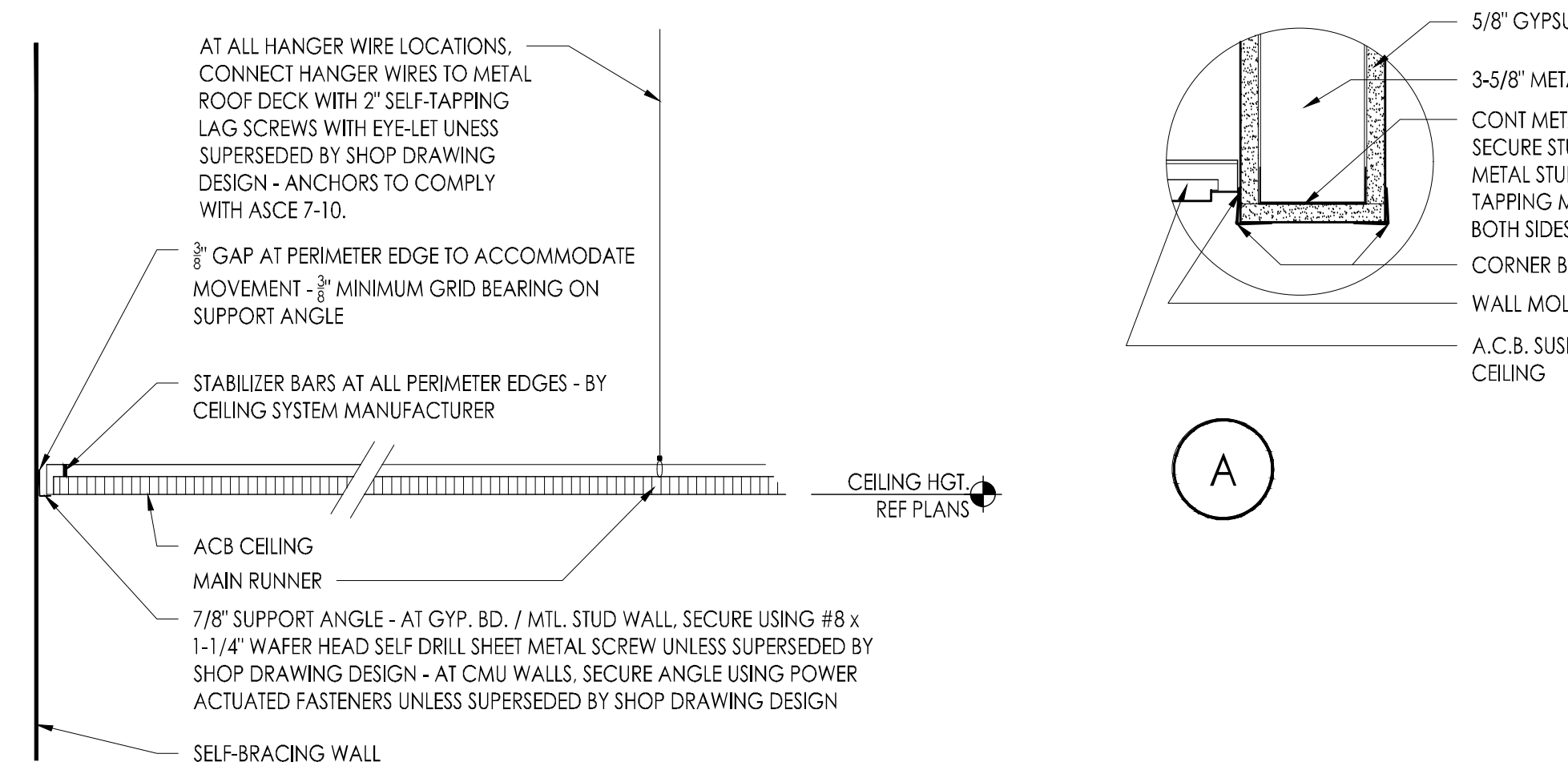
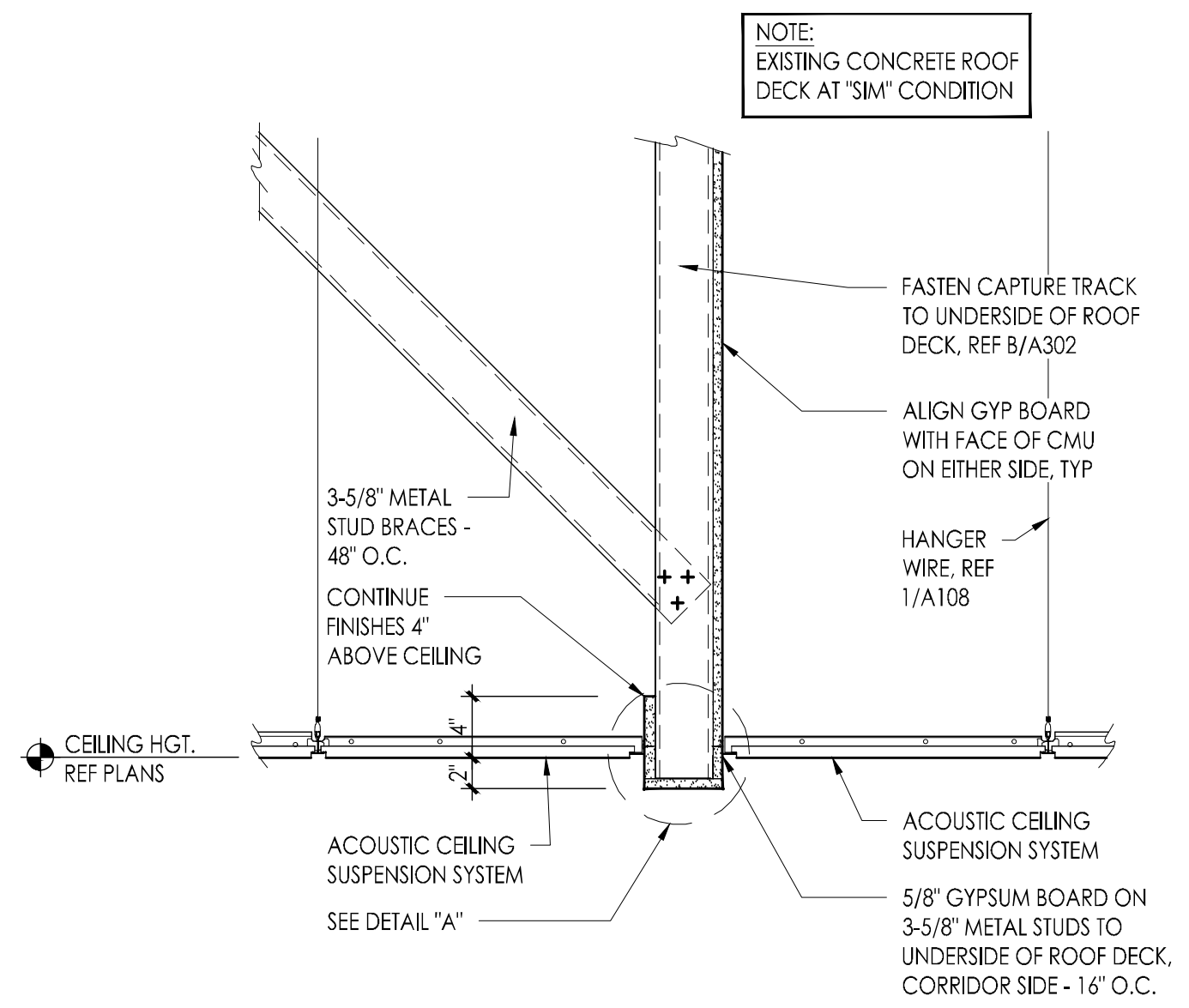
Drawing Number
A108



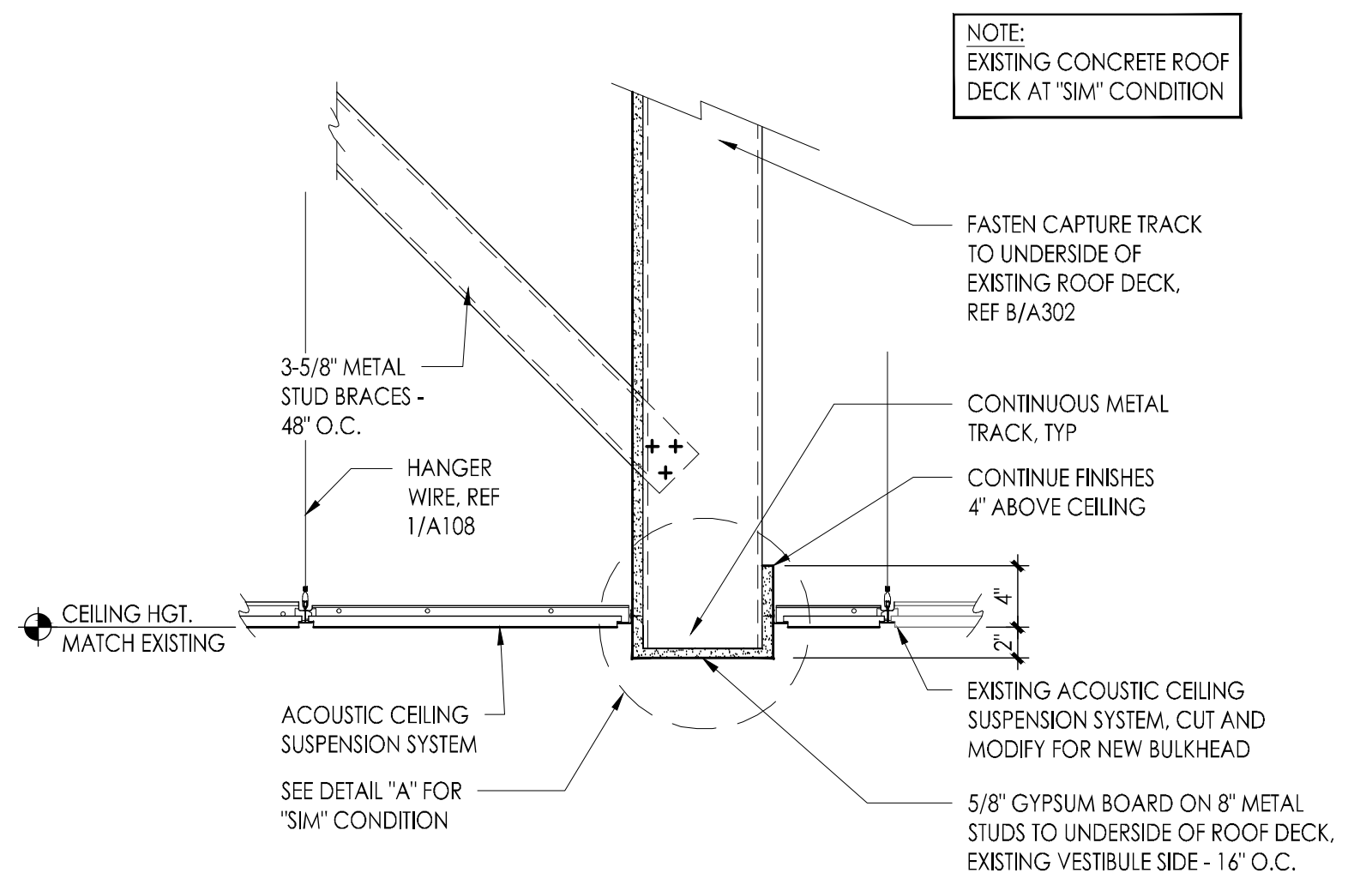
2 ENLARGED CORRIDOR C10 RCP
3/4" = 1'-0"


AT ALL HANGER WIRE LOCATIONS, CONNECT HANGER WIRES TO METAL ROOF DECK WITH 2" SELF-TAPPING LAG SCREWS WITH EYE-LET UNESS SUPERSEDED BY SHOP DRAWING DESIGN - ANCHORS TO COMPLY WITH ASCE 7-10.
3/8" GAP AT PERIMETER EDGE TO ACCOMMODATE MOVEMENT - 3/8" MINIMUM GRID BEARING ON SUPPORT ANGLE
STABILIZER BARS AT ALL PERIMETER EDGES - BY CEILING SYSTEM MANUFACTURER
CEILING HGT. REF PLANS
ACB CEILING
MAIN RUNNER
7/8" SUPPORT ANGLE - AT GYP. BD. / MTL. STUD WALL, SECURE USING #8 x 1-1/4" WAFER HEAD SELF DRILL SHEET METAL SCREW UNLESS SUPERSEDED BY SHOP DRAWING DESIGN - AT CMU WALLS, SECURE ANGLE USING POWER ACTUATED FASTENERS UNLESS SUPERSEDED BY SHOP DRAWING DESIGN
SELF-BRACING WALL
5/8" GYPSUM WALL BOARD
3-5/8" METAL STUDS @ 16" O/C
CONT METAL TRACK (TYP.) - SECURE STUDS TO TRACK W/ METAL STUD FASTENERS, SELF TAPPING METAL SCREWS BOTH SIDES
CORNER BEAD
WALL MOLDING
A.C.B. SUSPENDED CEILING
A

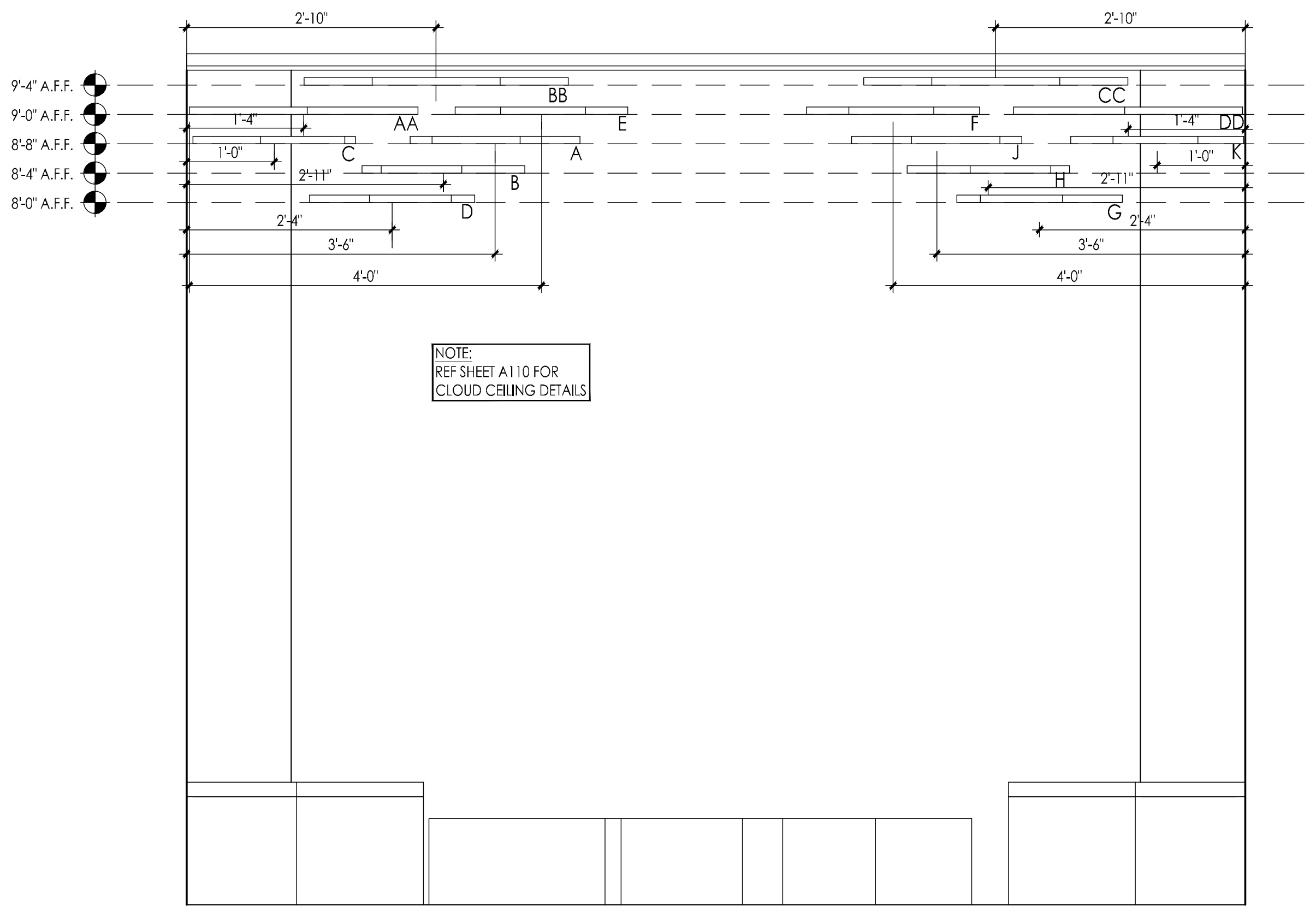
1 ACB SEISMIC BRACING DETAIL
Scale: 1"=1'-0"


NOTE:
EXISTING CONCRETE ROOF DECK AT "SIM" CONDITION
FASTEN CAPTURE TRACK TO UNDERSIDE OF ROOF DECK, REF B/A302
ALIGN GYP BOARD WITH FACE OF CMU ON EITHER SIDE, TYP
3-5/8" METAL STUD BRACES - 48" O.C.
CONTINUE FINISHES 4" ABOVE CEILING
HANGER WIRE, REF 1/A108
4"
2"
CEILING HGT. REF PLANS
ACOUSTIC CEILING SUSPENSION SYSTEM
SEE DETAIL "A"
ACOUSTIC CEILING SUSPENSION SYSTEM
5/8" GYPSUM BOARD ON 3-5/8" METAL STUDS TO UNDERSIDE OF ROOF DECK, CORRIDOR SIDE - 16" O.C.

2 CORRIDOR BULKHEAD DETAIL
Scale: 1"=1'-0"


NOTE:
EXISTING CONCRETE ROOF DECK AT "SIM" CONDITION
FASTEN CAPTURE TRACK TO UNDERSIDE OF EXISTING ROOF DECK, REF B/A302
3-5/8" METAL STUD BRACES - 48" O.C.
HANGER WIRE, REF 1/A108
CONTINUOUS METAL TRACK, TYP
CONTINUE FINISHES 4" ABOVE CEILING
4"
2"
CEILING HGT. MATCH EXISTING
ACOUSTIC CEILING SUSPENSION SYSTEM
SEE DETAIL "A" FOR "SIM" CONDITION
EXISTING ACOUSTIC CEILING SUSPENSION SYSTEM, CUT AND MODIFY FOR NEW BULKHEAD
5/8" GYPSUM BOARD ON 8" METAL STUDS TO UNDERSIDE OF ROOF DECK, EXISTING VESTIBULE SIDE - 16" O.C.

3 EXISTING CORRIDOR BULKHEAD DETAIL
Scale: 1"=1'-0"



3 CORRIDOR (C10) FIXTURE HEIGHTS
3/4" = 1'-0"

ACOUSTICAL FIXTURE SCHEDULE				
CEILING TYPES		MANUFACTURER	SIZE	REMARKS
BFL-1	WING CEILING BAFFLE	ACOUFELT	LENGTH 1	COLOR 1
BFL-2	WING CEILING BAFFLE	ACOUFELT	LENGTH 1	COLOR 2
BFL-3	WING CEILING BAFFLE	ACOUFELT	LENGTH 2	COLOR 1
BFL-4	WING CEILING BAFFLE	ACOUFELT	LENGTH 2	COLOR 2
BFL-5	LINEAR CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	COLOR 1
BFL-6	LINEAR CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	COLOR 2
DCS-1	HEXAGON CEILING BAFFLE	ACOUFELT	36"	SEE ELEVATION FOR HEIGHTS AND PLAN FOR ORIENTATION
DCS-2	HEXAGON CEILING BAFFLE	ACOUFELT	24"	SEE ELEVATION FOR HEIGHTS AND PLAN FOR ORIENTATION

SPECIALTY LIGHTING FIXTURE SCHEDULE				
CEILING TYPES		MANUFACTURER	SIZE	REMARKS
LT-1	LOOPITA DIRECT	CORONET	36" WIDE	-
LT-2	LOOPITA DIRECT	CORONET	18" WIDE	-
LT-3	LOOPITA CURVE	CORONET	12' LONG SEGMENTS	-
LT-4	TRUSS LED CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	-
LT-5	HIGH PERFORMANCE 2" APERTURE CIRCLE	FINELITE	4 FOOT NOMINAL SIZE	-

MECHO SHADE EQUIPMENT KEY (X)	
MARK	REMARKS
WT-1	SINGLE MULTI-BANDED ELECTROL MECHOSHADE IN 4124 POCKET WITH 0270 CHELSEA ROOM-DARKENING FABRIC
WT-2	DOUBLE MANUAL M5-WI SURFACE-MOUNTED ROLLER SHADES WITH FASCIA IN 0270 CHELSEA AND 1350 ECOVEIL FABRIC
WT-3	DOUBLE MANUAL M5-WI JAMB-MOUNTED MECHOSHADES WITH FASCIA IN 0270 CHELSEA AND 1350 ECOVEIL FABRIC
WT-4	MOTOR SPRING SKYLIGHT SHADE SURFACE MOUNTED WITH FASCIA IN 0800 SERIES DISTINCTIVE BLACKOUT
WT-5	SINGLE MOTORIZED ELECTRO2 MECHOSHADE WITH WALL ANGLE BRACKETS AND FASCIA IN 0270 CHELSEA ROOM-DARKENING FABRIC

REFLECTED CEILING PLAN LEGEND

⊕	ELEVATION DATUM - A.F.F.
▦	ACB-1 -2'x4' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
▦	ACB-2 - 2'x2' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
▦	AACB - 2'x4' ACRYLIC ACOUSTICAL CEILING BOARD -SEE FINISH SCHEDULE FOR LOCATION
▒	PAINTED GYPSUM BOARD SOFFIT
⧄ ⊠	SUPPLY / RETURN / EXHAUST DIFFUSER (SEE HVAC DRAWINGS)
⊠ ⊠ ▭ ○	LIGHTS (SEE ELECTRICAL DRAWINGS)

SAFETY & EMERGENCY LIGHTS (SEE ELECTRICAL DRAWINGS)

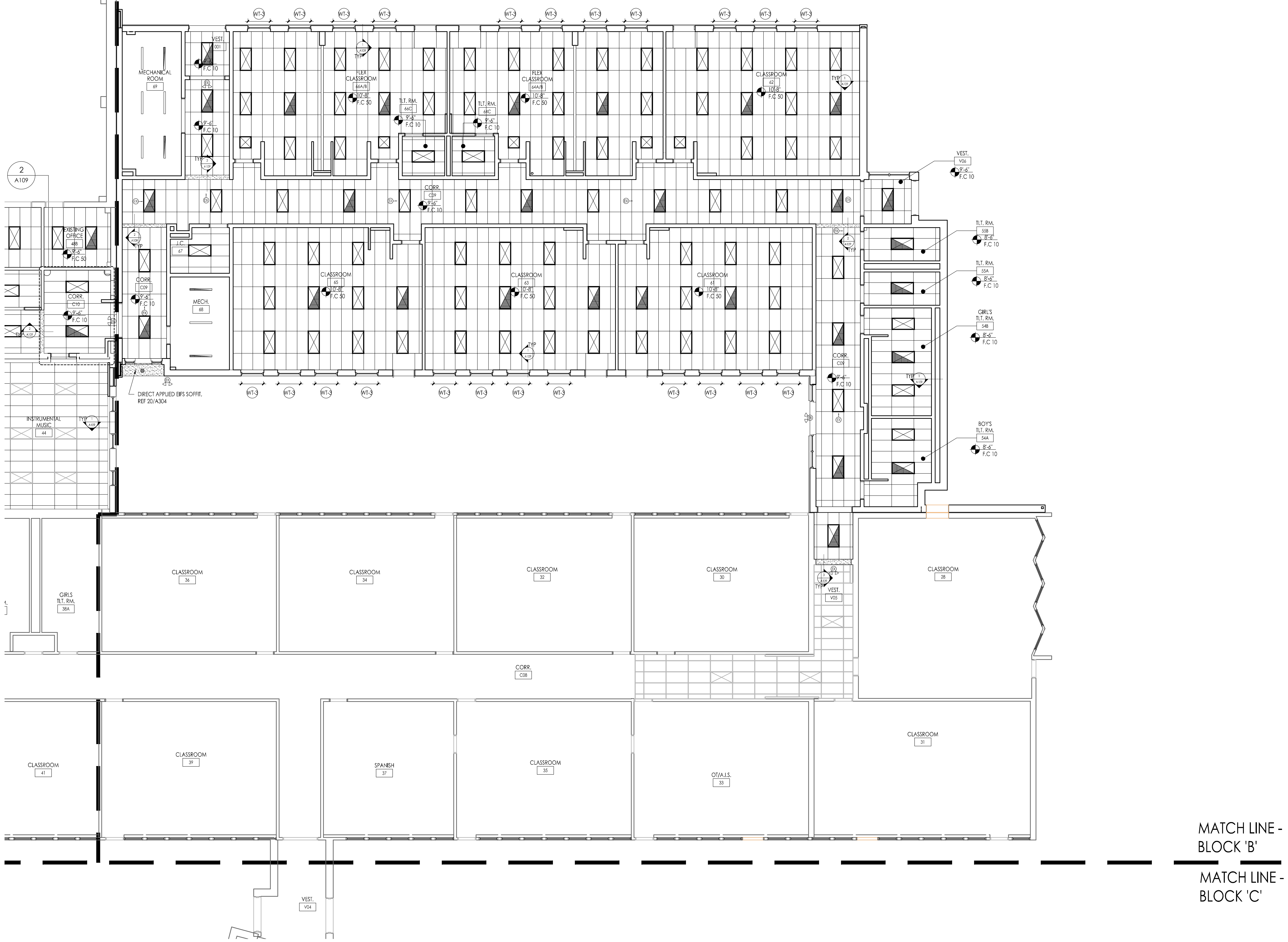
(EX)	EXIT SIGN W/ BATTERY BACK-UP
(EX)	DIRECTIONAL EXIT SIGN W/ BATTERY BACK-UP
(EM) ● ▬ ⊠	FIXTURES ON EMERGENCY CIRCUIT

NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPE, SIZE AND ADDITIONAL INFORMATION.
2. ALL SPRINKLER HEADS, DIFFUSERS AND LIGHTS TO BE CENTERED IN THE GWB OR ACB CEILING UNLESS NOTED OTHERWISE
3. GENERAL, HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO COORDINATE LOCATION OF SPRINKLER HEADS DIFFUSERS AND LIGHTS.
4. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS
5. A.F.F. = ABOVE FINISH FLOOR (MAIN DATUM ELEVATION)

MATCH LINE - BLOCK 'A'

MATCH LINE - BLOCK 'B'



MATCH LINE - BLOCK 'B'

MATCH LINE - BLOCK 'C'

1 REFLECTED CEILING PLAN - BLOCK 'B'
1/8" = 1'-0"

NJDCA Electronic Release Stamp

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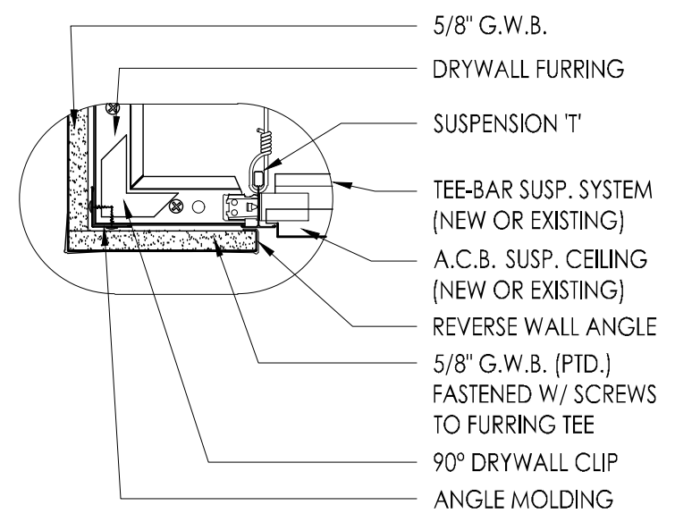
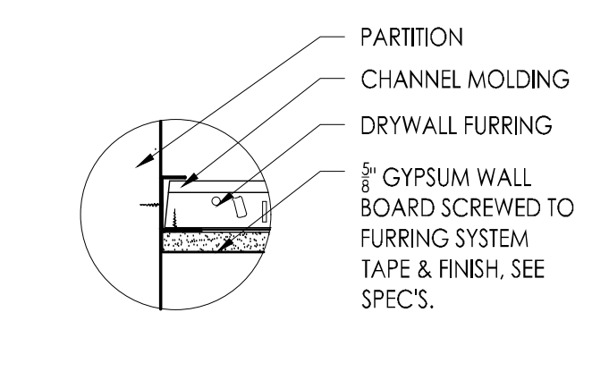
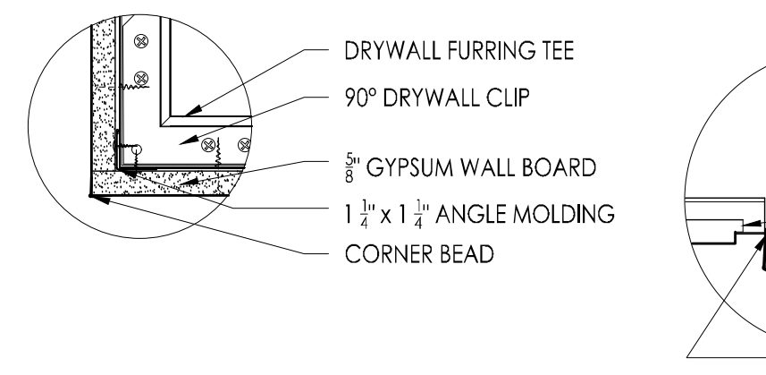
Drawing Number
A109


5/8" G.W.B.
DRYWALL FURRING
SUSPENSION 'T'
TEE-BAR SUSP. SYSTEM (NEW OR EXISTING)
A.C.B. SUSP. CEILING (NEW OR EXISTING)
REVERSE WALL ANGLE
5/8" G.W.B. (PTD.) FASTENED W/ SCREWS TO FURRING TEE
90° DRYWALL CLIP
ANGLE MOLDING

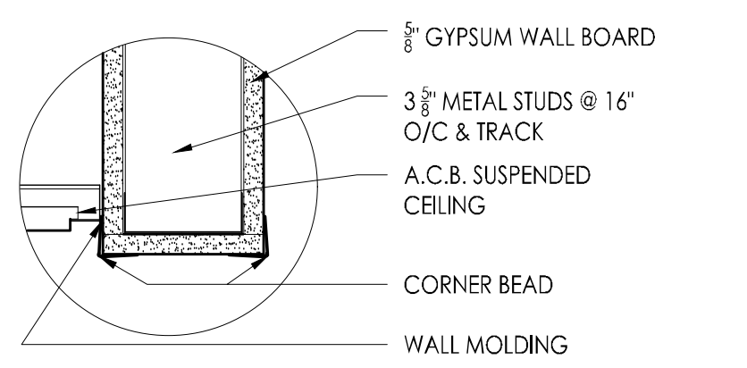
A


PARTITION
CHANNEL MOLDING
DRYWALL FURRING
⅝" GYPSUM WALL BOARD SCREWED TO FURRING SYSTEM TAPE & FINISH, SEE SPEC'S.

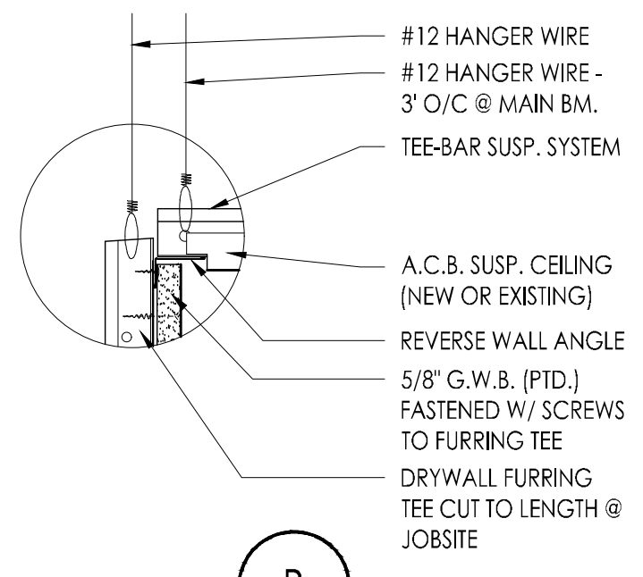
C



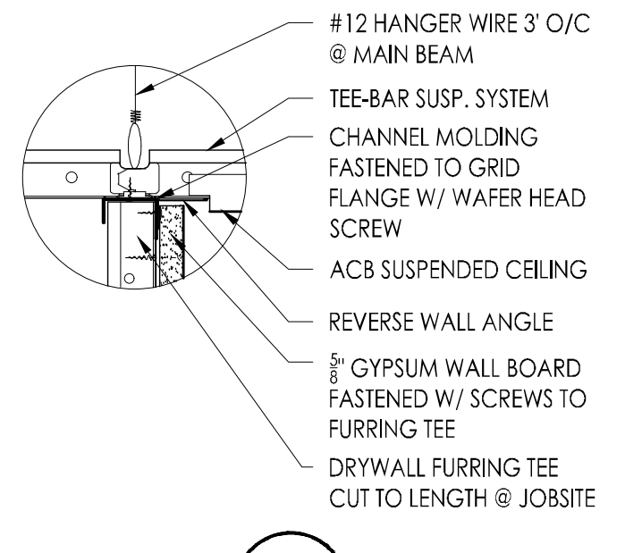
E



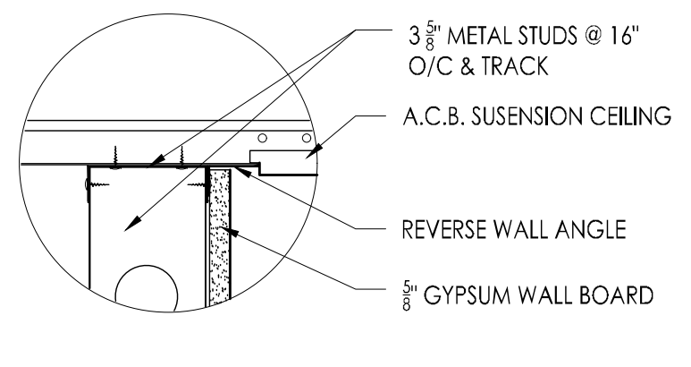
G


#12 HANGER WIRE
#12 HANGER WIRE - 3' O/C @ MAIN BM.
TEE-BAR SUSP. SYSTEM
A.C.B. SUSP. CEILING (NEW OR EXISTING)
REVERSE WALL ANGLE
5/8" G.W.B. (PTD.) FASTENED W/ SCREWS TO FURRING TEE
DRYWALL FURRING TEE CUT TO LENGTH @ JOBSITE

B


#12 HANGER WIRE 3' O/C @ MAIN BEAM
TEE-BAR SUSP. SYSTEM
CHANNEL MOLDING FASTENED TO GRID FLANGE W/ WAFER HEAD SCREW
ACB SUSPENDED CEILING
REVERSE WALL ANGLE
⅝" GYPSUM WALL BOARD FASTENED W/ SCREWS TO FURRING TEE
DRYWALL FURRING TEE CUT TO LENGTH @ JOBSITE

D



F

ACOUSTICAL FIXTURE SCHEDULE				
CEILING TYPES		MANUFACTURER	SIZE	REMARKS
BFL-1	WING CEILING BAFFLE	ACOUFELT	LENGTH 1	COLOR 1
BFL-2	WING CEILING BAFFLE	ACOUFELT	LENGTH 1	COLOR 2
BFL-3	WING CEILING BAFFLE	ACOUFELT	LENGTH 2	COLOR 1
BFL-4	WING CEILING BAFFLE	ACOUFELT	LENGTH 2	COLOR 2
BFL-5	LINEAR CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	COLOR 1
BFL-6	LINEAR CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	COLOR 2
DCS-1	HEXAGON CEILING BAFFLE	ACOUFELT	36"	SEE ELEVATION FOR HEIGHTS AND PLAN FOR ORIENTATION
DCS-2	HEXAGON CEILING BAFFLE	ACOUFELT	24"	SEE ELEVATION FOR HEIGHTS AND PLAN FOR ORIENTATION

SPECIALTY LIGHTING FIXTURE SCHEDULE				
CEILING TYPES		MANUFACTURER	SIZE	REMARKS
LT-1	LOOPITA DIRECT	CORONET	36" WIDE	-
LT-2	LOOPITA DIRECT	CORONET	18" WIDE	-
LT-3	LOOPITA CURVE	CORONET	12' LONG SEGMENTS	-
LT-4	TRUSS LED CEILING BAFFLE	ACOUFELT	VARYING LENGTHS	-
LT-5	HIGH PERFORMANCE 2" APERTURE CIRCLE	FINELITE	4 FOOT NOMINAL SIZE	-

NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPE, SIZE AND ADDITIONAL INFORMATION.
2. ALL SPRINKLER HEADS, DIFFUSERS AND LIGHTS TO BE CENTERED IN THE GWB OR ACB CEILING UNLESS NOTED OTHERWISE
3. GENERAL, HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO COORDINATE LOCATION OF SPRINKLER HEADS DIFFUSERS AND LIGHTS.
4. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS
5. A.F.F. = ABOVE FINISH FLOOR (MAIN DATUM ELEVATION)

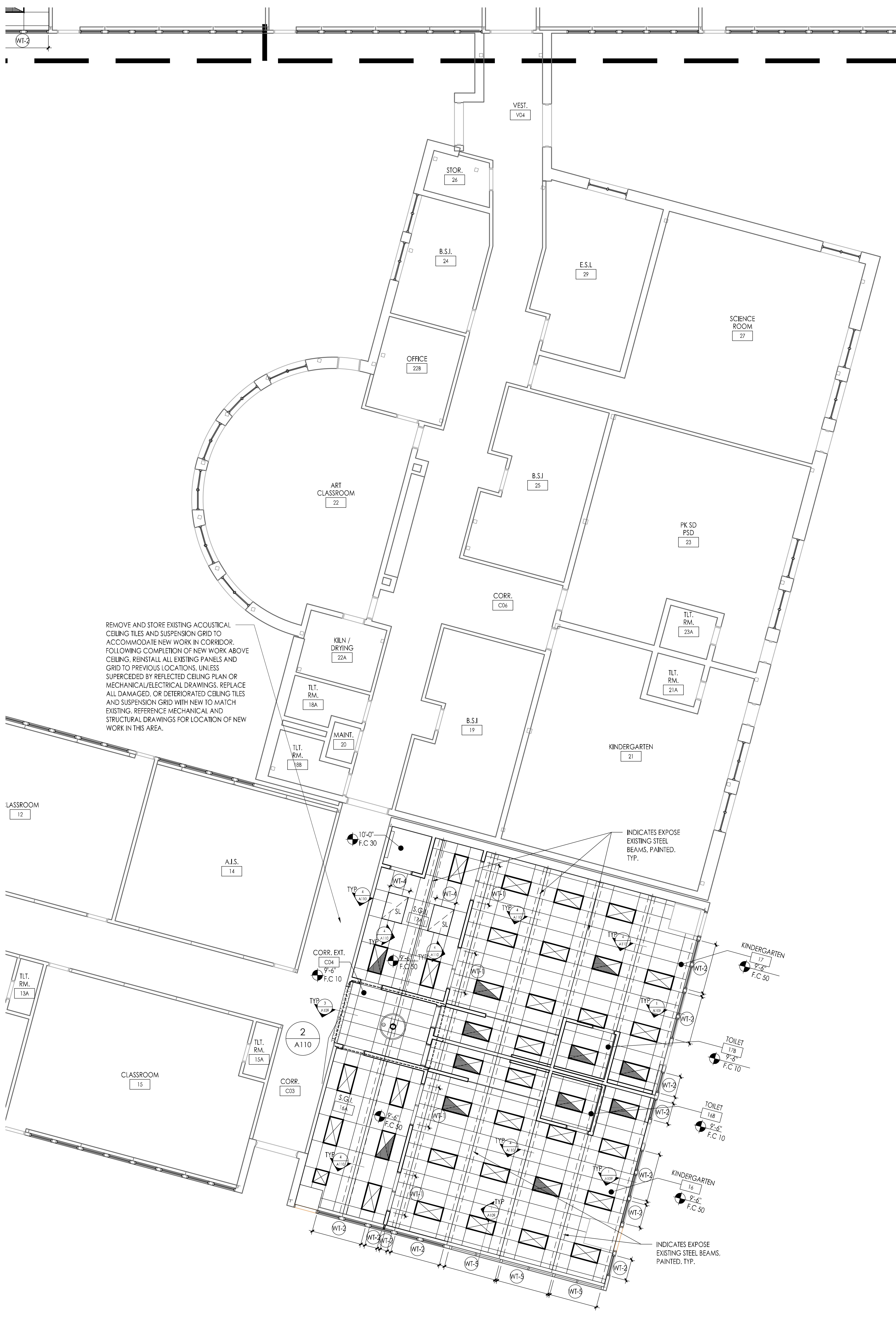
MECHO SHADE EQUIPMENT KEY (X)	
MARK	REMARKS
WT-1	SINGLE MULTI-BANDED ELECTROL MECHOSHADE IN 4124 POCKET WITH 0270 CHELSEA ROOM-DARKENING FABRIC
WT-2	DOUBLE MANUAL M5-WI SURFACE-MOUNTED ROLLER SHADES WITH FASCIA IN 0270 CHELSEA AND 1350 ECOVEIL FABRIC
WT-3	DOUBLE MANUAL M5-WI JAMB-MOUNTED MECHOSHADES WITH FASCIA IN 0270 CHELSEA AND 1350 ECOVEIL FABRIC
WT-4	MOTOR SPRING SKYLIGHT SHADE SURFACE MOUNTED WITH FASCIA IN 0800 SERIES DISTINCTIVE BLACKOUT
WT-5	SINGLE MOTORIZED ELECTRO2 MECHOSHADE WITH WALL ANGLE BRACKETS AND FASCIA IN 0270 CHELSEA ROOM-DARKENING FABRIC

REFLECTED CEILING PLAN LEGEND

- ELEVATION DATUM - A.F.F.
- ACB-1 -2'x4' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
- ACB-3 - 2'x4' ACOUSTICAL CEILING SOUND BOARD - SEE FINISH SCHEDULE FOR LOCATION
- AACB - 2'x4' ACRYLIC ACOUSTICAL CEILING BOARD -SEE FINISH SCHEDULE FOR LOCATION
- PAINTED GYPSUM BOARD SOFFIT
- SUPPLY / RETURN / EXHAUST DIFFUSER (SEE HVAC DRAWINGS)
- LIGHTS (SEE ELECTRICAL DRAWINGS)

SAFETY & EMERGENCY LIGHTS (SEE ELECTRICAL DRAWINGS)

- EXIT SIGN W/ BATTERY BACK-UP
- DIRECTIONAL EXIT SIGN W/ BATTERY BACK-UP
- FIXTURES ON EMERGENCY CIRCUIT



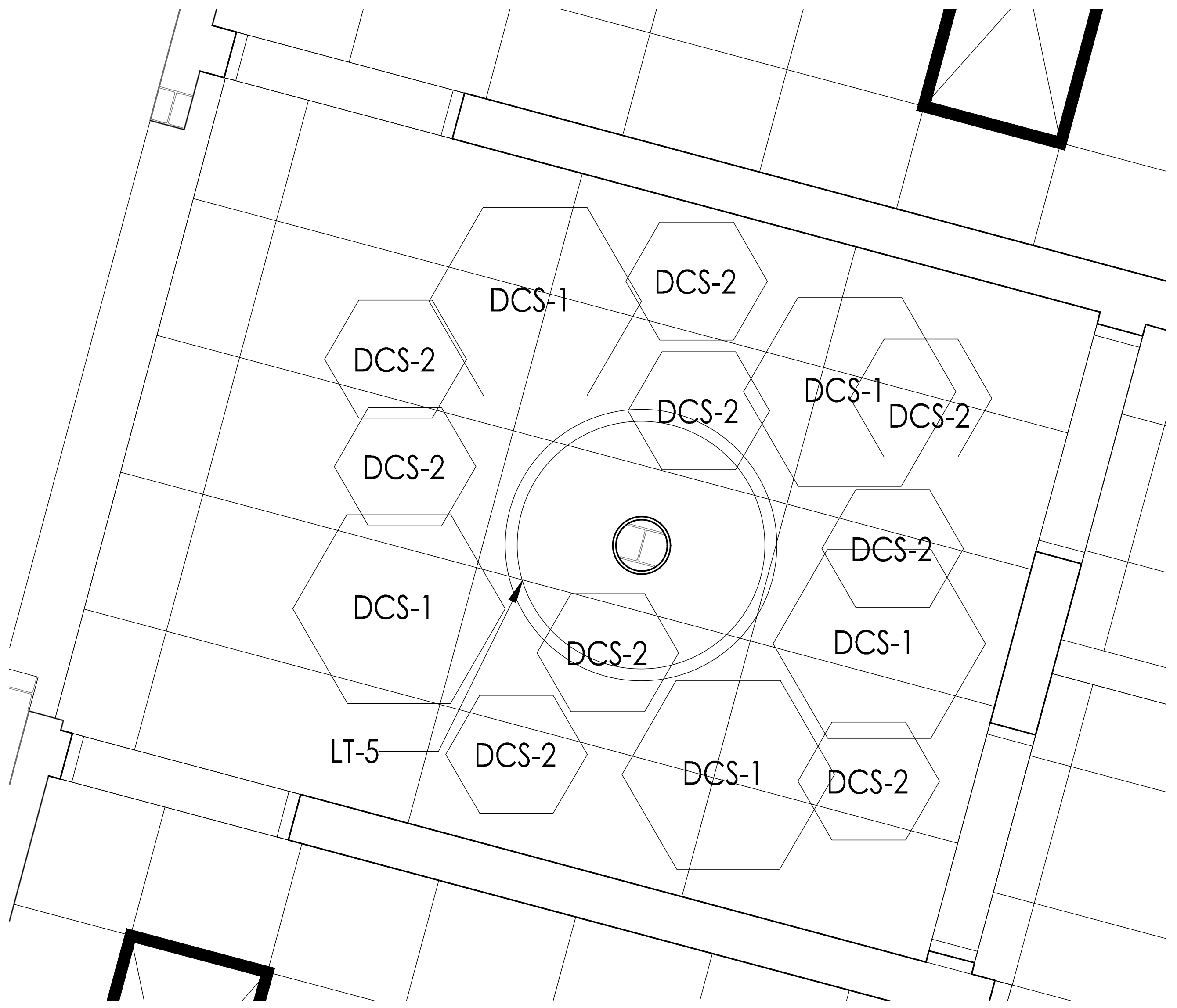
REMOVE AND STORE EXISTING ACOUSTICAL CEILING TILES AND SUSPENSION GRID TO ACCOMMODATE NEW WORK IN CORRIDOR. FOLLOWING COMPLETION OF NEW WORK ABOVE CEILING, REINSTALL ALL EXISTING PANELS AND GRID TO PREVIOUS LOCATIONS, UNLESS SUPERCEDED BY REFLECTED CEILING PLAN OR MECHANICAL/ELECTRICAL DRAWINGS. REPLACE ALL DAMAGED, OR DETERIORATED CEILING TILES AND SUSPENSION GRID WITH NEW TO MATCH EXISTING. REFERENCE MECHANICAL AND STRUCTURAL DRAWINGS FOR LOCATION OF NEW WORK IN THIS AREA.

MATCH LINE - BLOCK 'B'

MATCH LINE - BLOCK 'C'

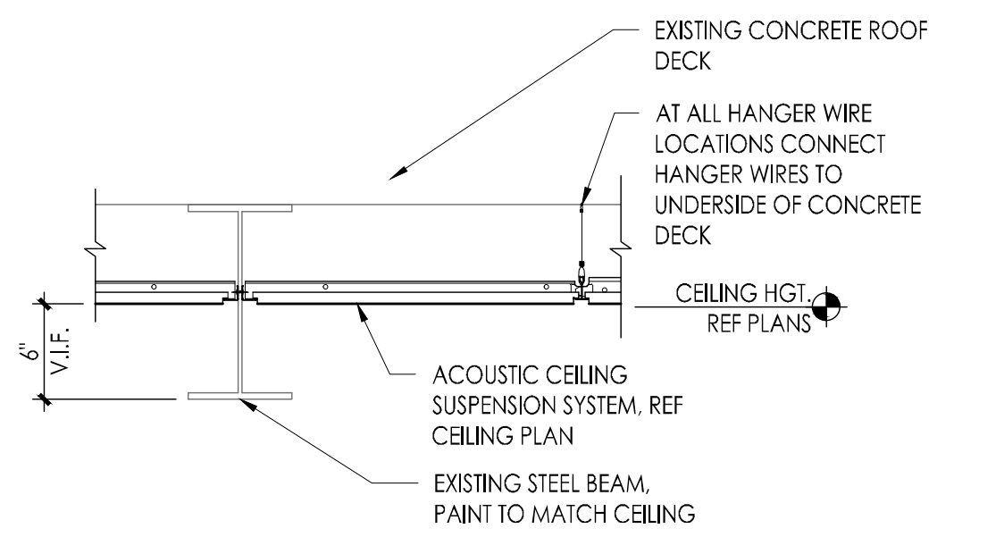
1 REFLECTED CEILING PLAN - BLOCK 'C'

1/8" = 1'-0"



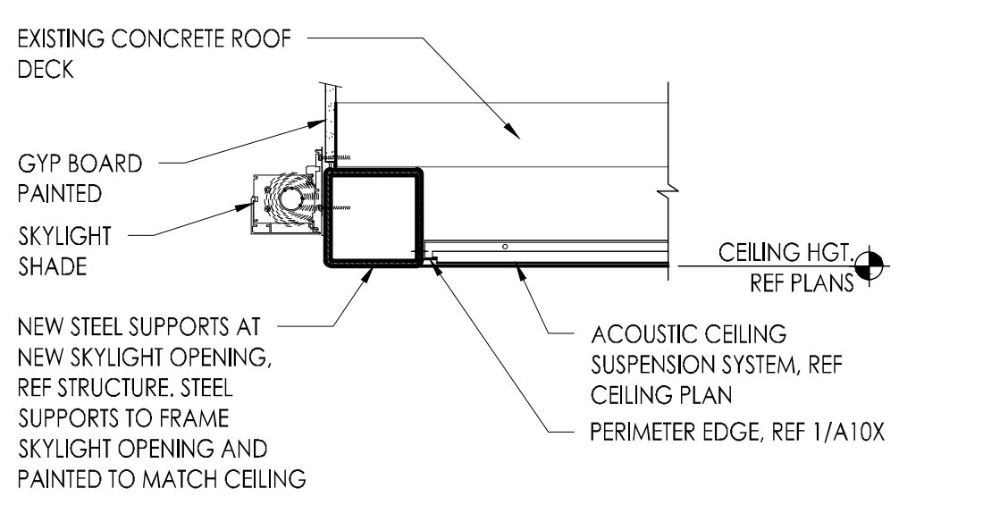
2 ENLARGED CORR. EXT. C04 REFLECTED CEILING PLAN

3/4" = 1'-0"


EXISTING CONCRETE ROOF DECK
AT ALL HANGER WIRE LOCATIONS CONNECT HANGER WIRES TO UNDERSIDE OF CONCRETE DECK
CEILING HGT. REF PLANS
6" V.I.F.
ACOUSTIC CEILING SUSPENSION SYSTEM, REF CEILING PLAN
EXISTING STEEL BEAM, PAINT TO MATCH CEILING

3 CEILING AT EXISTING STEEL BEAM

Scale: 1"=1'-0"


EXISTING CONCRETE ROOF DECK
GYP BOARD PAINTED
SKYLIGHT SHADE
NEW STEEL SUPPORTS AT NEW SKYLIGHT OPENING, REF STRUCTURE. STEEL SUPPORTS TO FRAME SKYLIGHT OPENING AND PAINTED TO MATCH CEILING
CEILING HGT. REF PLANS
ACOUSTIC CEILING SUSPENSION SYSTEM, REF CEILING PLAN
PERIMETER EDGE, REF 1/A10X

4 CEILING AT SKYLIGHT

Scale: 1"=1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
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NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect

2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

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FVHDPC.COM

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

Scale
AS NOTED

Drawing Name
REFLECTED CEILING PLANS

BLOCK 'C'

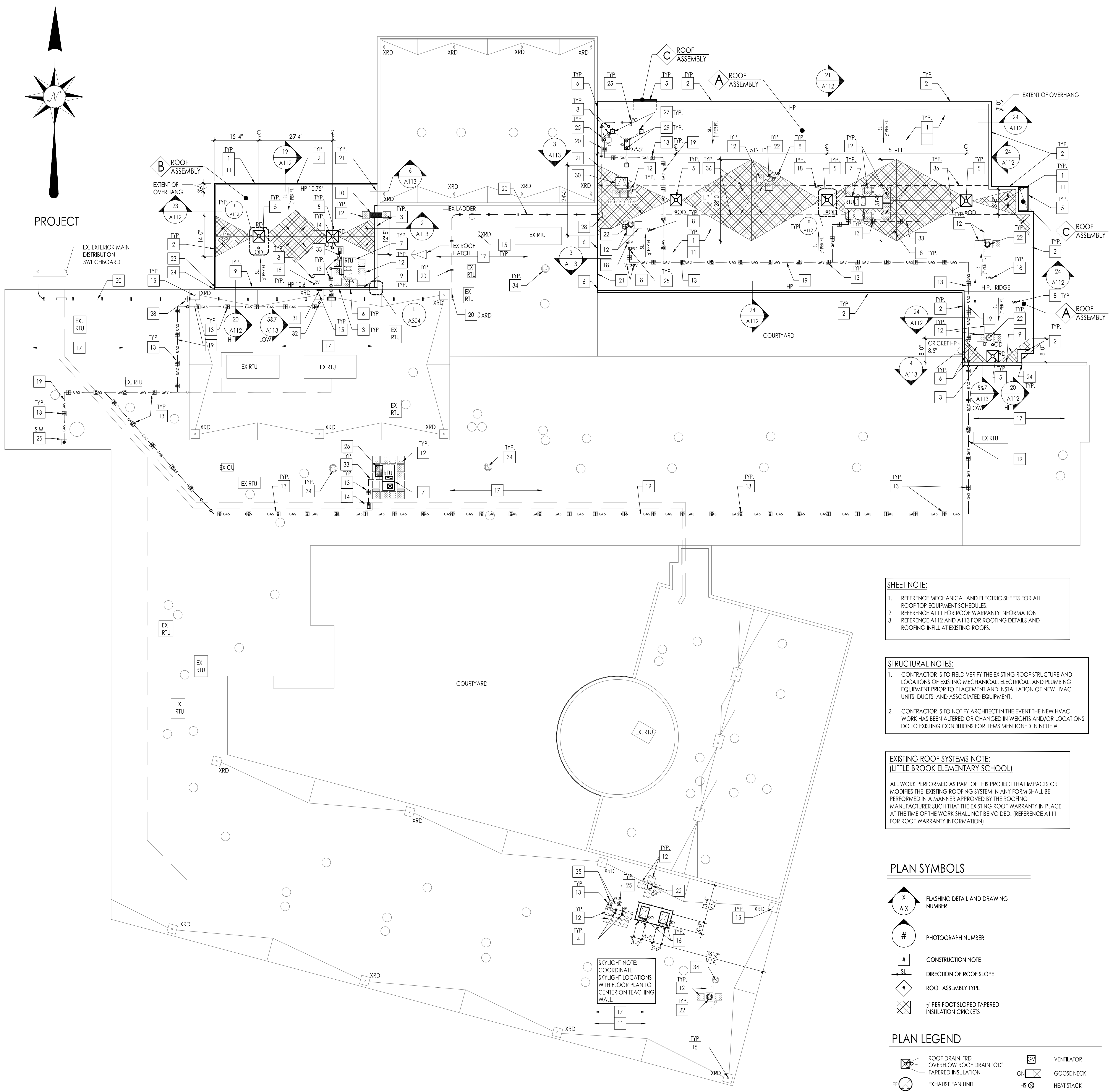
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A110

STAGING NOTES:

1. ROOF ACCESS THROUGH THE BUILDING IS NOT PERMITTED.
2. TEMPORARY TOILETS SHALL BE PROVIDED BY THE CONTRACTOR AND PLACEMENT COORDINATED WITH OWNER.
3. CONSTRUCTION SAFETY FENCING SHALL BE INSTALLED AROUND ALL STAGING AREAS.
4. THE CONTRACTOR IS TO CONTACT THE LOCAL MUNICIPALITY AND CONFIRM WORKING HOURS AND COMPLY WITH ALL NOISE ORDINANCE REQUIREMENTS.
5. PARKING, OF CONSTRUCTION VEHICLES, DUMPSTERS, AND EQUIPMENT IS NOT PERMITTED ON THE STREETS.
6. DUMPSTERS MUST BE EMPTIED AT THE END OF EACH WORK DAY.
7. NO ENTRANCES, EXITS OR DRIVEWAYS SHALL BE BLOCKED AT ANY TIME.
8. ALL STAGING AREAS MUST BE APPROVED IN ADVANCE BY THE OWNER. THE ROOFING CONTRACTOR MUST SUBMIT A STAGING PLAN AND HAVE THE PLAN APPROVED BY THE OWNER. IF CHANGES TO THE STAGING PLAN MUST BE MADE DURING THE PROJECT, THE ROOFING CONTRACTOR MUST RESUBMIT A REVISED PLAN TO THE OWNER AND OBTAIN WRITTEN APPROVAL BEFORE ADJUSTING THE STAGING AREAS.
9. THE CONTRACTOR IS NOT PERMITTED TO USE THE ROOFS THAT ARE NOT IN CONTRACT IN ANY CAPACITY.
10. ALL LAWN AND PAVED AREAS DAMAGED OR DISTURBED IN ANY WAY SHALL BE CLEANED AND RESTORED TO PRE-CONSTRUCTION CONDITION AT THE CONCLUSION OF THE WORK.
11. NO STAGING IS PERMITTED ON THE SIDEWALKS.


PROJECT
ROOF ASSEMBLY
EXTENT OF OVERHANG
EX. EXTERIOR MAIN DISTRIBUTION SWITCHBOARD
EX. LADDER
EX ROOF HATCH
EX RTU
EX CU
HP
H.P. RIDGE
CRICKET HP
TYP.
SIM.
XRD
GAS
COURTYARD
SKYLIGHT NOTE: COORDINATE SKYLIGHT LOCATIONS WITH FLOOR PLAN TO CENTER ON TEACHING WALL.

ROOF PLAN

1/16" = 1'-0"

GENERAL ROOF CONSTRUCTION NOTES

A. PROVIDE ROOFING MATERIALS THAT COMPLY WITH A CLASS "A" SYSTEM.

B. NOT USED.

C. ALL LOW SLOPED ROOF AREAS ARE MINIMUM OF $\frac{1}{4}$" PER FOOT IN THE FIELD AND $\frac{1}{2}$" PER FOOT AT THE CRICKETS , UNLESS NOTED OTHERWISE. SLOPE OF CRICKET IS PERPENDICULAR TO CRICKET VALLEY LINE.

D. FRT WOOD BLOCKING SHOWN ON DRAWINGS IS DIAGRAMMATIC. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING CONSTRUCTION IN THICKNESS AND HEIGHT TO MATCH THICKNESS OF ROOF ASSEMBLY AND TO MAINTAIN A CONSTANT ROOF EDGE ELEVATION IN A HORIZONTAL PLANE UNLESS NOTED OTHERWISE.

E. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FLASHING ALL ROOF TOP PENETRATIONS, UNITS, AND CURBS ON THE ROOFS TO A WATERTIGHT CONDITION TO BE INCLUDED IN THE MANUFACTURER'S WARRANTY. REVIEW ALL DRAWINGS INCLUDED IN THIS SET FOR ROOFTOP PENETRATIONS. ALL ROOF TOP PENETRATIONS, UNITS, AND CURBS SHALL BE RAISED A MINIMUM OF 8" ABOVE THE NEW ROOF SYSTEM.

F. ALL CRICKETS/ GUSSETS/ SADDLES SHALL HAVE A 3:5 RATIO. WHERE THIS CONDITION CANNOT BE ACHIEVED DUE TO VALLEY LINE OF CRICKET INTERSECTING MECHANICAL EQUIPMENT, PENETRATION AND A HIGH POINT GREATER THAN THE THRU-WALL COUNTERFLASHING, PROVIDE MAXIMUM CRICKET WIDTH TO PROMOTE POSITIVE DRAINAGE TO ALL ROOF DRAINS.

G. THE ROOFING CONTRACTOR SHALL FIELD VERIFY THE HEIGHT OF ALL PARAPETS AND OTHER OPENINGS ABOVE THE FINISH ROOF. CHECK ALL TAPERED ROOF INSULATION HEIGHTS TO ENSURE A MIN. OF 8" CLEARANCE AT THE AREAS PRIOR TO ORDERING INSULATION. NOTIFY ARCHITECT OF ANY INCONSISTENCIES IMMEDIATELY FOR DIRECTION.

H. HIGH POINTS INDICATED ON DRAWINGS ARE SHOWN FOR GUIDANCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR FINAL TAPERED INSULATION DESIGN. ANY REQUIRED ADJUSTMENTS MADE BY THE CONTRACTOR TO THE INDICATED DESIGN GUIDELINES ARE AT NO ADDITIONAL COST TO THE OWNER.

I. UNLESS NOTED OTHERWISE ALL ROOFING, ACCESSORIES, MATERIALS, ETC. SHALL BE NEW.

J. CONTRACTOR SHALL MAKE NECESSARY TIE-INS AND ALTERATIONS TO EXISTING ROOF IN ACCORDANCE WITH ORIGINAL ROOF MANUFACTURERS REQUIREMENTS, SO AS TO MAINTAIN ORIGINAL WARRANTY ON EXISTING ROOF.

K. CONTRACTOR SHALL AT ALL TIMES HAVE A FULL SET OF DRAWINGS AND SPECIFICATIONS ON ROOF TOP WHILE WORK IS IN PROGRESS.

L. CONTRACTOR IS RESPONSIBLE TO RECTIFY ANY PONDING WATER ON FINISHED ROOF SURFACE THAT REMAINS AFTER 48 HOURS AT NO ADDITIONAL COST.

M. NOT USED.

N. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.

O. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.

P. DETAILS NOTED TYPICAL "TYP" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.

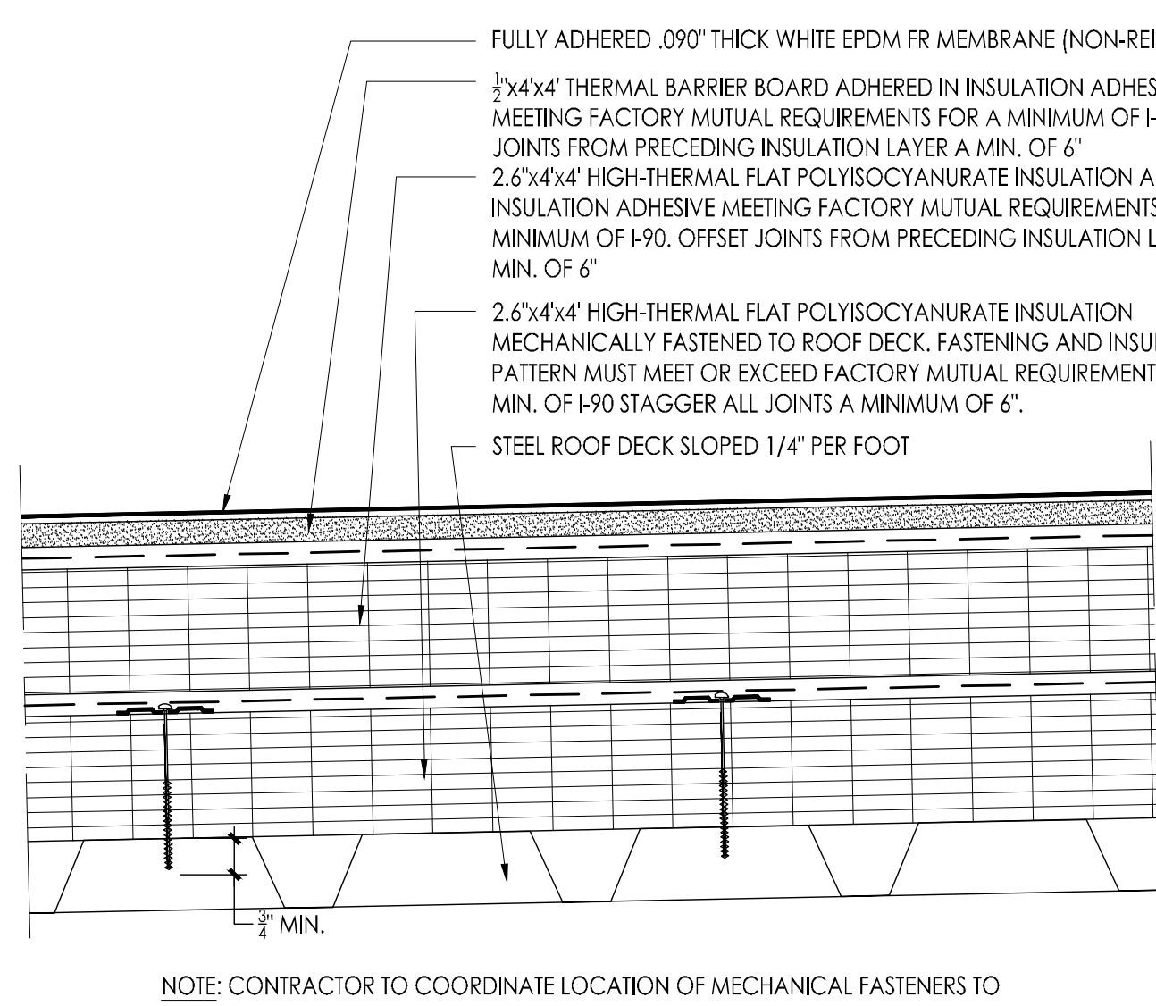
Q. EXG ROOFS TO REMAIN ARE UNDER WARRANTY, INSTALLATION OF ROOFTOP EQUIPMENT IN THESE AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROOFING MANUFACTURES REQUIREMENTS TO MAINTAIN SAID WARRANTY, TYPICAL.

R. REF SHEET G002 FOR GENERAL CONSTRUCTION NOTES, GENERAL DEMOLITION NOTES, AND ABBREVIATIONS.

S. EXISTING DRAIN LINES FROM EXISTING ROOFS WHERE NEW WORK IS BEING PREFORMED SHALL BE ELECTRICALLY CLEANED TO INVERT OF HOUSE STORM SEWER USING POWER ROOTER ("ROTO-ROOTER"). CONTRACTOR SHALL PROVIDE CERTIFICATION TO ARCHITECT AT COMPLETION OF PROJECT THAT THIS WORK HAS BEEN PERFORMED.

T. ROOFTOP EQUIPMENT: RAISE CURBS ON FRT WOOD BLOCKING TO ACHIEVE THE MINIMUM 8" FLASHING HEIGHT REQUIRED. APPLY EPDM ROOFING MEMBRANE UP CURB USING SECUREMENT STRIP AT BASE OF CURB AND FASTEN ALONG TOP EDGE. INSTALL TWO-PIECE COUNTERFLASHING UP UNDER THE ROOFTOP UNIT'S COUNTERFLASHING WITH CONTINUOUS CORNERS.

NOTE: FOR INSULATION ADHESIVE BEAD SPACING SEE DETAIL 1 THIS SHEET

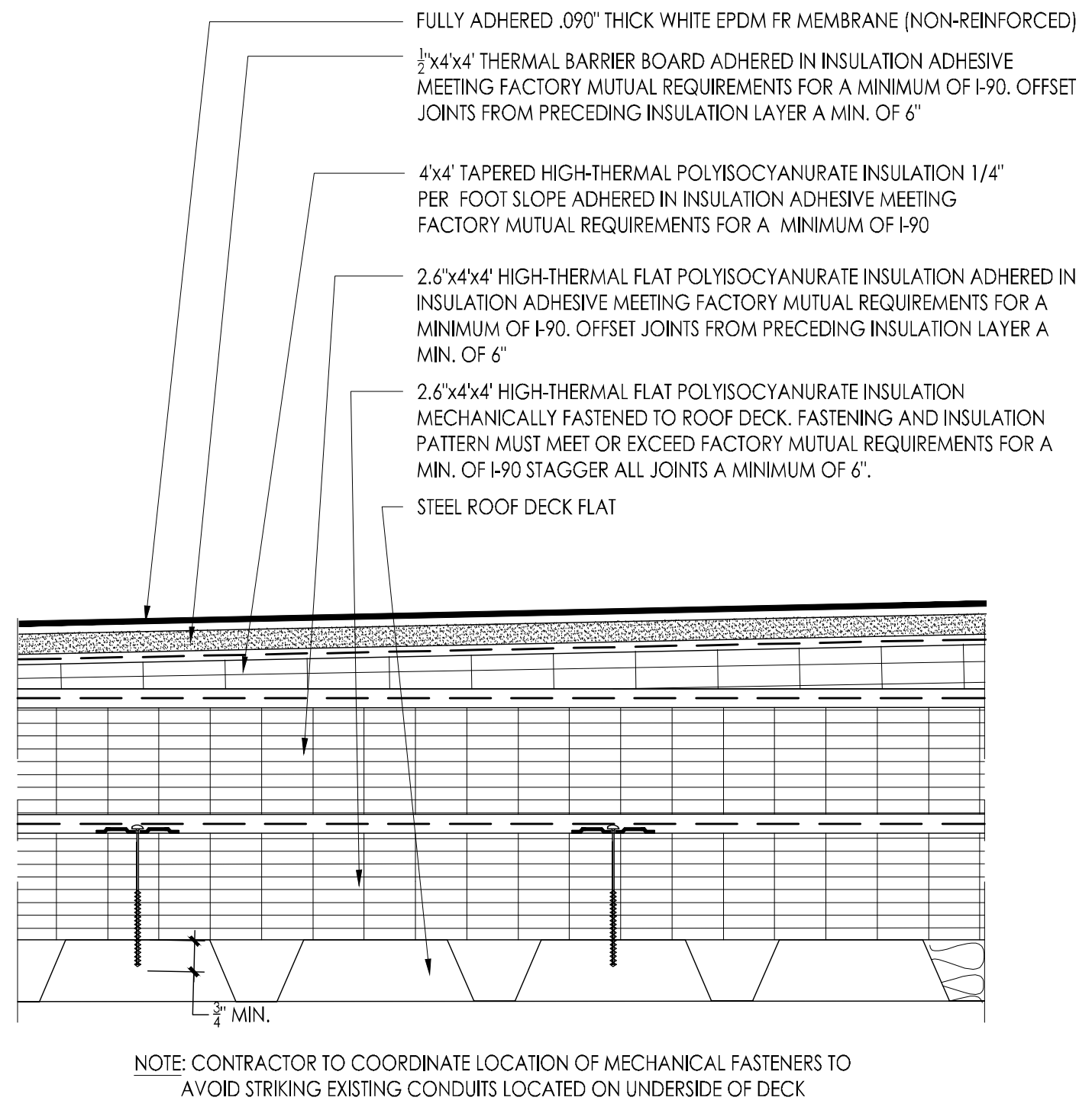

FULLY ADHERED .090" THICK WHITE EPDM FR MEMBRANE (NON-REINFORCED)
$\frac{1}{2}$"x4'x4' THERMAL BARRIER BOARD ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90. OFFSET JOINTS FROM PRECEDING INSULATION LAYER A MIN. OF 6"
2.6"x4'x4' HIGH-THERMAL FLAT POLYISOCYANURATE INSULATION ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90. OFFSET JOINTS FROM PRECEDING INSULATION LAYER A MIN. OF 6"
2.6"x4'x4' HIGH-THERMAL FLAT POLYISOCYANURATE INSULATION MECHANICALLY FASTENED TO ROOF DECK. FASTENING AND INSULATION PATTERN MUST MEET OR EXCEED FACTORY MUTUAL REQUIREMENTS FOR A MIN. OF I-90 STAGGER ALL JOINTS A MINIMUM OF 6".
STEEL ROOF DECK SLOPED 1/4" PER FOOT
$\frac{3}{4}$" MIN.

NOTE: CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL FASTENERS TO AVOID STRIKING EXISTING CONDUITS LOCATED ON UNDERSIDE OF DECK

A ROOF ASSEMBLY R-value 30

3"=1'-0"

NOTE: FOR INSULATION ADHESIVE BEAD SPACING SEE DETAIL 1 THIS SHEET

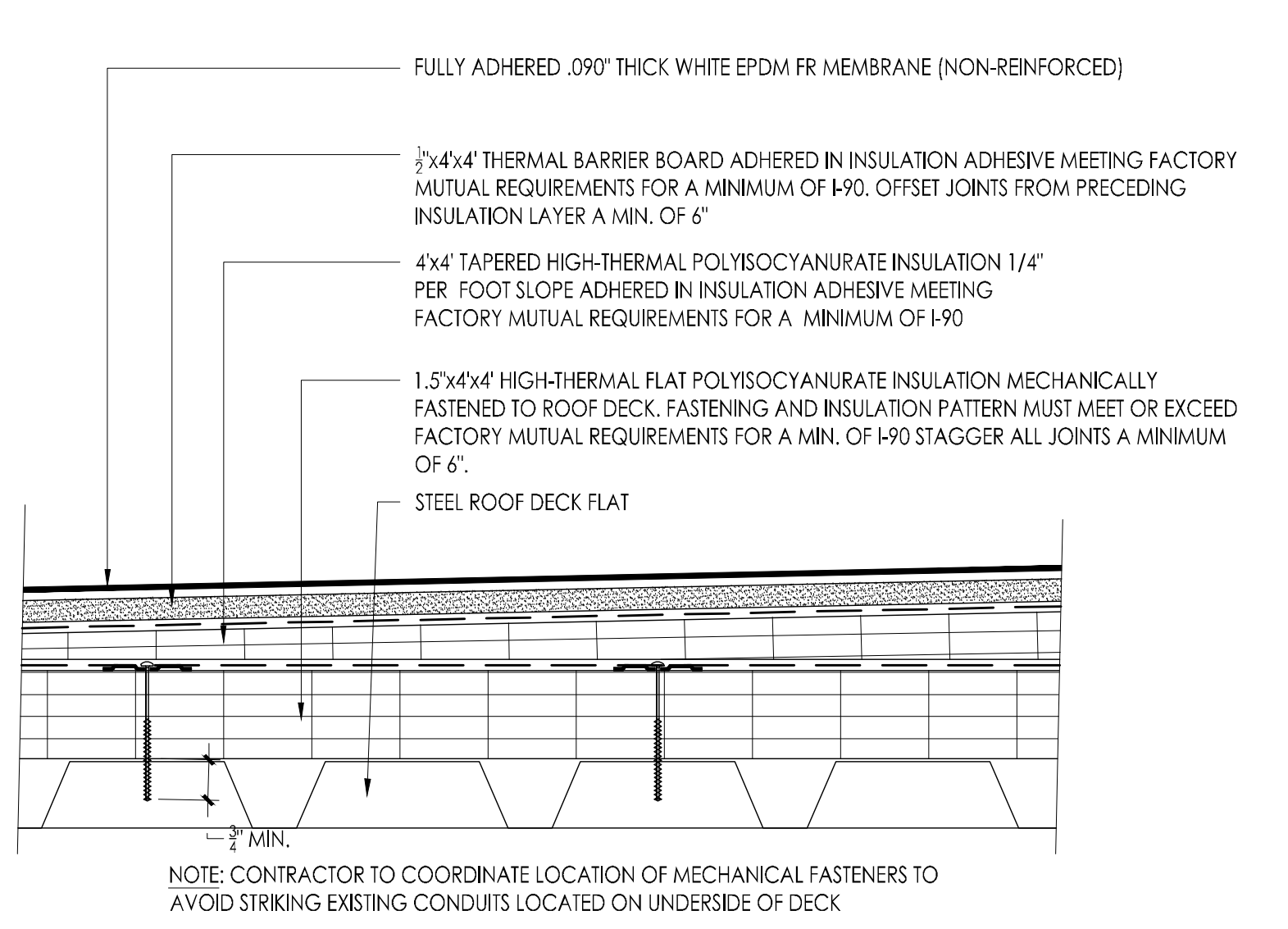

FULLY ADHERED .090" THICK WHITE EPDM FR MEMBRANE (NON-REINFORCED)
$\frac{1}{2}$"x4'x4' THERMAL BARRIER BOARD ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90. OFFSET JOINTS FROM PRECEDING INSULATION LAYER A MIN. OF 6"
4'x4' TAPERED HIGH-THERMAL POLYISOCYANURATE INSULATION 1/4" PER FOOT SLOPE ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90
2.6"x4'x4' HIGH-THERMAL FLAT POLYISOCYANURATE INSULATION ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90. OFFSET JOINTS FROM PRECEDING INSULATION LAYER A MIN. OF 6"
2.6"x4'x4' HIGH-THERMAL FLAT POLYISOCYANURATE INSULATION MECHANICALLY FASTENED TO ROOF DECK. FASTENING AND INSULATION PATTERN MUST MEET OR EXCEED FACTORY MUTUAL REQUIREMENTS FOR A MIN. OF I-90 STAGGER ALL JOINTS A MINIMUM OF 6".
STEEL ROOF DECK FLAT
$\frac{3}{4}$" MIN.

NOTE: CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL FASTENERS TO AVOID STRIKING EXISTING CONDUITS LOCATED ON UNDERSIDE OF DECK

B ROOF ASSEMBLY R-value 30 Min.

3"=1'-0"

NOTE: FOR INSULATION ADHESIVE BEAD SPACING SEE DETAIL 1 THIS SHEET


FULLY ADHERED .090" THICK WHITE EPDM FR MEMBRANE (NON-REINFORCED)
$\frac{1}{2}$"x4'x4' THERMAL BARRIER BOARD ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90. OFFSET JOINTS FROM PRECEDING INSULATION LAYER A MIN. OF 6"
4'x4' TAPERED HIGH-THERMAL POLYISOCYANURATE INSULATION 1/4" PER FOOT SLOPE ADHERED IN INSULATION ADHESIVE MEETING FACTORY MUTUAL REQUIREMENTS FOR A MINIMUM OF I-90
1.5"x4'x4' HIGH-THERMAL FLAT POLYISOCYANURATE INSULATION MECHANICALLY FASTENED TO ROOF DECK. FASTENING AND INSULATION PATTERN MUST MEET OR EXCEED FACTORY MUTUAL REQUIREMENTS FOR A MIN. OF I-90 STAGGER ALL JOINTS A MINIMUM OF 6".
STEEL ROOF DECK FLAT
$\frac{3}{4}$" MIN.

NOTE: CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL FASTENERS TO AVOID STRIKING EXISTING CONDUITS LOCATED ON UNDERSIDE OF DECK

C ROOF ASSEMBLY CANOPY

3"=1'-0"

CONSTRUCTION NOTES - EPDM

1. INSTALL ROOF PER ASSEMBLY NOTED ON PLAN AND SPECIFICATIONS. INSTALL WATER DIVERTING SADDLES/CRICKETS WHERE SHOWN ON PLANS WITH TAPERED INSULATION MINIMUM $\frac{1}{2}$" PER FOOT SLOPE - SLOPE IS PERPENDICULAR TO SADDLE/CRICKET VALLEY LINE. INSTALL FULLY-ADHERED .090" EPDM MEMBRANE IN BONDING ADHESIVE. DO NOT WALK OR RUN EQUIPMENT UPON NEWLY APPLIED ROOFING PLIES UNTIL THE ADHESIVE HAS SET UP TO ELIMINATE THE POTENTIAL FOR VOIDS. INSTALL NEW FLASHING AND METAL COUNTERFLASHING.
2. PERIMETER EDGE METAL: INSTALL METAL EDGE SYSTEM WHERE CALLED FOR ON ROOF PLAN. EDGE INSTALLED IN ACCORDANCE WITH ROOFING MATERIALS MANUFACTURERS GUIDELINES. METAL EDGE SYSTEM MUST BE INCLUDED UNDER THE ROOFING MANUFACTURER'S WARRANTY AND MEET FM I-90 FOR WIND UPLIFT. COLOR SELECTED BY ARCHITECT.
3. METAL COPING COVER: INSTALL PRE FINISHED ALUMINUM COPING COVER IN GAGE DETERMINED BY WIDTH (SEE DETAIL 3/A112 FOR GAGE INFORMATION) WHERE CALLED FOR ON ROOF PLAN. FULLY ADHERE EPDM ROOFING MEMBRANE UP AND OVER WALL AND FASTEN. THE OUTSIDE VERTICAL LEG OF THE PERIMETER METAL FLASHING SHOULD EXTEND DOWN PAST THE TOP EDGE OF THE MASONRY BY 1" MINIMUM. THE EPDM SHOULD NOT BE SEEN IN THE LOCATION OF THE OUTSIDE VERTICAL LEG. INSTALL COPING COVER IN SECTIONS JOINED WITH ANCHOR CLIPS AND SPLICE PLATES TO ALLOW FOR MOVEMENT. INSTALL 12" WIDE 20 GAUGE GALVANIZED ANCHOR CLIPS 4'-0" O.C. ATTACH WITH FASTENERS SUPPLIED WITH THE COPING SYSTEM. COPING COVERS CORNERS MUST BE MITERED. COPING SYSTEM MUST BE INCLUDED UNDER THE ROOFING MANUFACTURER'S WARRANTY AND MEET FM I-90 FOR WIND UPLIFT. COLOR SELECTED BY ARCHITECT.
4. INSTALL EQUIPMENT RAILS, FASTEN RAILS TO EXISTING CONCRETE ROOF DECK WITH STEEL HOLD DOWN ANGLES, REF MECHANICAL, MAINTAIN A BASE FLASHING HEIGHT OF 8" MIN. FROM THE SURFACE OF THE EXISTING ROOFING MEMBRANE. SEE DETAIL 11/A113, REF MECHANICAL FOR ADDITIONAL INFORMATION (AT EXISTING ROOF).
5. AT NEW ROOF DRAIN LOCATIONS: CUT DECK TO ACCOMMODATE DRAIN INSTALLATION, FRAME OPENING WITH STRUCTURAL ANGLES (REF STRUCTURE). INSTALL ROOF DRAIN AND ASTM SCHEDULE 40 PVC ROOF DRAIN CONDUCTOR EXTENSION AS SPECIFIED. (REF PLUMBING FOR DRAIN AND PIPE SIZES) INSTALL PIPE AS CLOSE TO EXISTING STRUCTURE ABOVE AS POSSIBLE. SLOPE CONDUCTOR AT 1/8" PER FOOT. SUPPORT PIPE WITH METAL PIPE HANGERS, BRACKETS AND SHIELDS AT 4'-0" ON CENTER FASTENED TO EXISTING STRUCTURAL SUPPORTS. ROOF DISCHARGE TO ACCOMMODATE NO-HUB PVC CONNECTION WITH CONDUCTOR EXTENSION TO DRAIN. VERIFY EXISTING CONDITION IN THE FIELD. PROVIDE CLEAN-OUTS AT EACH DIRECTION CHANGE. INSULATE ALL NEW PIPE WITH PLASTIC COATED SEMI-RIGID PIPE INSULATION AND DRAIN BOWEL WITH RIGID INSULATION. IN ALL FIRE RATED ASSEMBLIES. INSTALL TAPERED INSULATION CREATING A SUMP TO PROMOTE DRAINAGE. SEE PLAN FOR SUMP CONFIGURATION AND SIZE. REF PLUMBING SHEETS OR SPECS. FOR INFORMATION.
6. EXPANSION JOINT FLASHING: INSTALL EXPANSION JOINT AS DETAILED WHERE SHOWN.
7. ROOFTOP EQUIPMENT: ON SEISMIC ROOF CURBS, REF MECHANICAL, WITH MINIMUM 8" FLASHING HEIGHT REQUIRED. APPLY EPDM ROOFING MEMBRANE UP CURB USING SECUREMENT STRIP AT BASE OF CURB AND FASTEN ALONG TOP EDGE. INSTALL TWO-PIECE COUNTERFLASHING UP UNDER THE ROOFTOP UNIT'S COUNTERFLASHING WITH CONTINUOUS CORNERS. REF 7/A112 FOR CURB FLASHING DETAIL AT NEW ROOFS AND 14/A113 CURB FLASHING AT EXISTING ROOF.
8. VENT PIPE FLASHINGS: PROVIDE AND INSTALL PREFORMED FLASHINGS AT PIPES. (REF PLUMBING AND MECHANICAL FOR TYPES OF VENTILATION PIPES) SECURE TOP OF FLASHING WITH A STRAP CLAMP. INSTALL WATERBLOCK BEFORE TIGHTENING STRAP CLAMP. PIPES MUST BE 8" ABOVE NEW ROOF SURFACE EXTEND PIPE TO A MINIMUM OF 8" ABOVE FINISHED ROOF - SEE DETAIL 4/A112
9. AT EIFS WALL, MAINTAIN 8" FLASHING HEIGHT MINIMUM, FLASHING HEIGHT. INSTALL TWO PIECE COUNTER FLASHING WITH RECEIVER SET BEHIND THE WALL PANEL AS DETAILED. SEAL BOTTOM OF EIFS PER EIFS MANUFACTURER - SEE DETAIL 5/A113 AND 7/A113.
10. ROOF CROSSOVER LADDER, REF DETAIL 18/A112
11. ALL CONDITIONS MEETING THE ROOFING PERPENDICULAR: INSTALL INSULATION AND SECUREMENT STRIP FASTENED TO ROOF DECK AT THE BASE OF THE WALL. RUN EPDM MEMBRANE UP VERTICAL SURFACE. ADHERE MEMBRANE TO INSULATION AND VERTICAL SURFACE WITH BONDING ADHESIVE AND TO THE SECUREMENT STRIP WITH SPLICE ADHESIVE. APPLY WATERBLOCK BEHIND MEMBRANE JUST BELOW THE TOP EDGE OF THE MEMBRANE. SECURE MEMBRANE ALONG THE TOP EDGE EPDM THROUGH TERMINATION BAR 6" O/C AND APPLY SEALANT. COVER ALL TERMINATION BARS WITH TWO-PIECE METAL COUNTERFLASHING.
12. WALKWAY PADS - INSTALL AROUND ALL ROOFTOP UNITS, ROOFTOP EQUIPMENT AND ROOF ACCESS POINTS SUCH AS ACCESS LADDERS AND ROOF HATCHES. MODIFY WALKWAYS AS REQUIRED SO THAT THE PAD DOES NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS. SEE DETAIL 14/A112. - REF ROOF WARRANTY LEGEND, SHEET A111, FOR EXISTING ROOF ASSEMBLIES AND WALK PAD COMPATIBILITY.
13. INSTALL PIPE SUPPORT W/ WEAR PAD, SPACING OF PIPE SUPPORT PER MANUFACTURES REQUIREMENTS, REF PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS, SEE DETAIL 9/ A112 FOR SUPPORTS ON NEW ROOF AND 9/A113 FOR SUPPORTS ON EXISTING ROOF.
14. PROVIDE CONC SPLASH BLOCK ON WALKWAY PAD, TYPICAL SEE DETAIL 17/A112.
15. EXISTING ROOF DRAIN TO REMAIN, REF GENERAL ROOFING NOTE "S" THIS SHEET FOR MAINTAINING EXISTING DRAINS ON EXISTING ROOFS WHERE NEW WORK IS BEING CONDUCTED.
16. INSTALL SKYLIGHT ON RAISED CURB. SEE DETAIL 13/A113 AND SPECIFICATIONS. AT EXPOSED BLOCKING AT INTERIOR SKYLIGHT WELL. INSTALL GYPSUM BOARD PAINTED IN SKYLIGHT WELL WITH METAL TRIM TO MATCH, AS SHOWN IN DETAIL.
17. EXG ROOFS TO REMAIN ARE UNDER WARRANTY, INSTALLATION OF ROOFTOP EQUIPMENT IN THESE AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROOFING MANUFACTURES REQUIREMENTS TO MAINTAIN SAID WARRANTY, TYPICAL. (REF ROOF WARRANTY LEGEND SHEET A111)
18. RADON VENT PIPE DISCHARGE, REF 3/A101 FOR RADON PIPE AND LAYOUT, AND REF 4/A112 ROUND VENT PIPE FLASHING.
19. INDICATES NEW GAS LINE ON PIPE SUPPORTS, REF PLAN LEGEND, REF PLUMBING AND MECHANICAL SHEETS
20. INDICATES NEW ELECTRIC CONDUIT CLAMPED ON U-CHANNELS, REF PLAN LEGEND, REF PLUMBING AND MECHANICAL SHEETS. SPACING OF SUPPORTS ARE PER MANUFACTURES REQUIREMENTS.
21. RISING CAVITY WALL: REMOVE AND REPLACE BRICK IN 36" SECTIONS WIDE AND A MINIMUM 3 COURSES HIGH TO INSTALL THROUGH WALL STAINLESS STEEL MECHANICALLY KEYED RECEIVER AND TWO-PIECE COUNTERFLASHING AS DETAILED. SEE PROPOSED ROOF PLAN FOR EACH CONDITION - SEE DETAIL 6/A113 AND 3/A113 AT RISING WALL WITH EXPANSION JOINT FLASHING.
22. ROOF TOP EXHAUST FAN MOUNTED ON ROOF CURB, REF 8/A112 AND REF MECHANICAL FOR ADDITIONAL CURB INFORMATION. AT EXISTING ROOF, REF 12/A113 AND CONSTRUCTION NOTE "J", THIS SHEET.
23. TERMINATION OF METAL COPING AT RISING WALL, REF 15/A112 FOR "SIM" CONDITION
24. TERMINATION OF PARAPET METAL COPING COVER END WALL, REF 13/A112 FOR "SIM" CONDITION
25. PIPE CURB, AT NEW ROOF LOCATION AND REF 10/A113 AT EXISTING ROOF LOCATION , REF MECHANICAL, ELECTRICAL AND PLUMBING FOR ADDITIONAL INFORMATION
26. ROOF INFILL AT REMOVED EQUIPMENT, REF THE EXISTING ROOF WARRANTY PLAN ON THIS SHEET FOR ROOF ASSEMBLY TYPE AND WARRANTY INFORMATION, INFILL PER MANUFACTURER'S RECOMMENDATIONS. REF 15/A113
27. SUSPENSION GUY WIRE STEEL SUPPORT TO METAL ROOF DECK AND FLASHING, REF 16/A112 FOR SUPPORT SYSTEM AND FLASHING AND REF MECHANICAL SHEETS FOR ADDITIONAL INFORMATION
28. INDICATES ELECTRIC JUNCTION PULL BOX, REF ELECTRICAL SHEETS.
29. HEAT STACKS: - INSTALL ROOF ANGLE FLANGE AND MEMBRANE FLASHING ON THE TOP SURFACE OF THE NEW ROOFING MEMBRANE SYSTEM. COVER TOP OF ROOF ANGLE FLANGE WITH UMBRELLA SECURED IN PLACE WITH A STRAP CLAMP AND HEAT RESISTANT SEALANT - SEE DETAIL 11/A112.
30. ROOF HATCH ACCESS, REF DETAIL 12/A112.
31. REMOVE EXISTING SCUPPER AND DOWNSPOUT, REMOVE PORTION OF EXISTING PARAPET CAP ON EITHER SIDE OF EXISTING SCUPPER TO BE IN-FILLED AND FRAME IN EXISTING OPENING WITH METAL STUD AND FRT WOOD BLOCKING, TIE-IN TO EXISTING ROOF. REF 16/A113 AND ROOF WARRANTY LEGEND ON SHEET A111
32. NEW OVERFLOW DRAIN IN EXISTING ROOF, REF PLUMBING AND 17/A113
33. NEW CONDENSATE LINE ON PIPE SUPPORT WITH WARE PAD, REF 9/A112 ON NEW ROOF AND 9/A113 ON EXISTING ROOF TO REMAIN
34. ABANDONED EQUIPMENT CURB REF MECHANICAL DEMOLITION FOR EQUIPMENT BEING REMOVED IN THESE LOCATIONS, EXISTING CURBS TO REMAIN AND RECEIVE NEW CURB COVER, REF MECHANICAL AND 8/A113.
35. NEW REFRIGERANT LINES ON NEW PIPE SUPPORTS ON WARE PADS ON EXISTING ROOF ASSEMBLY - SEE DETAIL 9/A113 FOR PIPE SUPPORT.
36. PROVIDE AND INSTALL THERMAL BARRIER BOARD AND TAPERED INSULATION SYSTEM TO MATCH ADJACENT ROOF ASSEMBLY IN THICKNESS AND SLOPE WITH REQUIRED ADHESIVE AND FASTENERS TYPICAL.

SHEET NOTE:

1. REFERENCE MECHANICAL AND ELECTRIC SHEETS FOR ALL ROOF TOP EQUIPMENT SCHEDULES.
2. REFERENCE A111 FOR ROOF WARRANTY INFORMATION
3. REFERENCE A112 AND A113 FOR ROOFING DETAILS AND ROOFING INFILL AT EXISTING ROOFS.

STRUCTURAL NOTES:

1. CONTRACTOR IS TO FIELD VERIFY THE EXISTING ROOF STRUCTURE AND LOCATIONS OF EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT PRIOR TO PLACEMENT AND INSTALLATION OF NEW HVAC UNITS, DUCTS, AND ASSOCIATED EQUIPMENT.

2. CONTRACTOR IS TO NOTIFY ARCHITECT IN THE EVENT THE NEW HVAC WORK HAS BEEN ALTERED OR CHANGED IN WEIGHTS AND/OR LOCATIONS DO TO EXISTING CONDITIONS FOR ITEMS MENTIONED IN NOTE #1.

EXISTING ROOF SYSTEMS NOTE: (LITTLE BROOK ELEMENTARY SCHOOL)

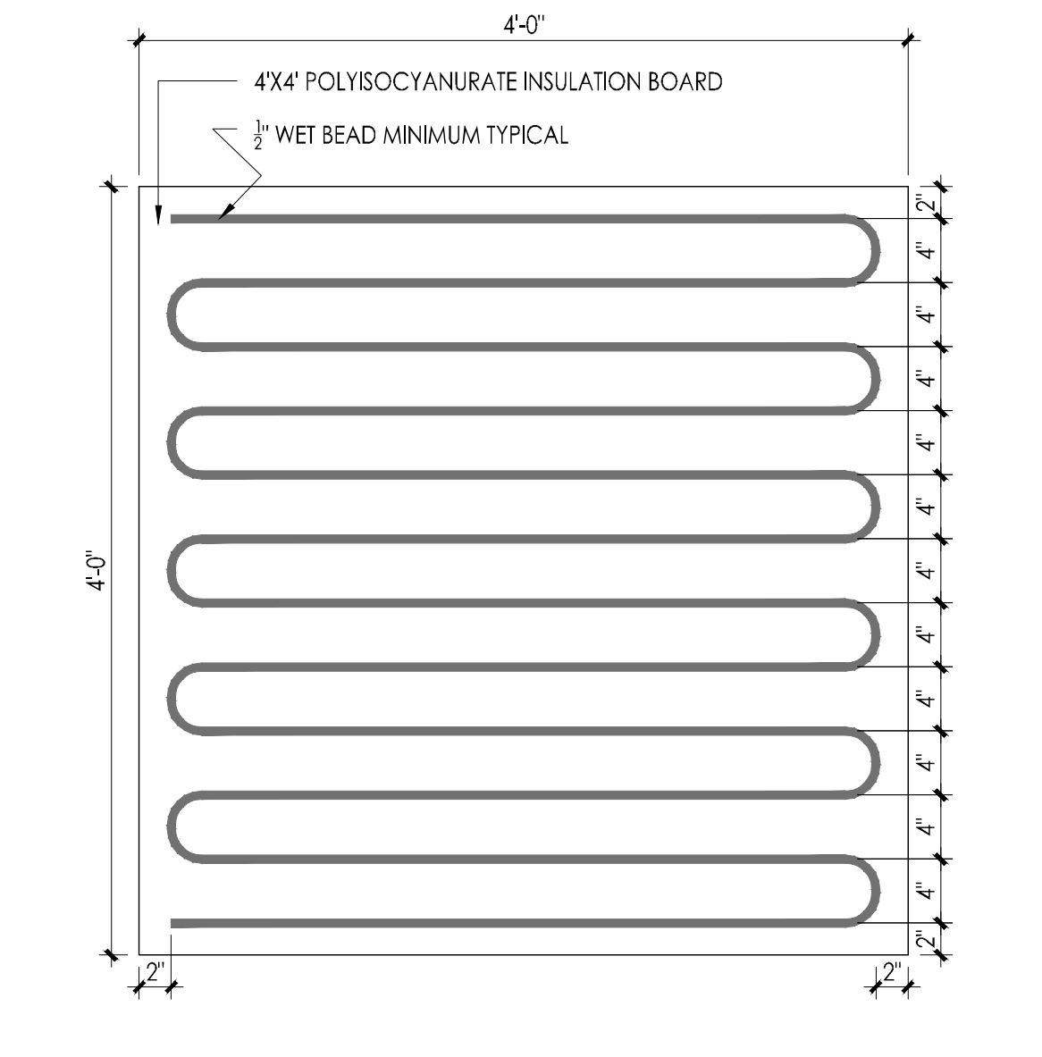
ALL WORK PERFORMED AS PART OF THIS PROJECT THAT IMPACTS OR MODIFIES THE EXISTING ROOFING SYSTEM IN ANY FORM SHALL BE PERFORMED IN A MANNER APPROVED BY THE ROOFING MANUFACTURER SUCH THAT THE EXISTING ROOF WARRANTY IN PLACE AT THE TIME OF THE WORK SHALL NOT BE VOIDED. (REFERENCE A111 FOR ROOF WARRANTY INFORMATION)

PLAN SYMBOLS

X / A-X	FLASHING DETAIL AND DRAWING NUMBER
#	PHOTOGRAPH NUMBER
#	CONSTRUCTION NOTE
SL ←	DIRECTION OF ROOF SLOPE
◇ #	ROOF ASSEMBLY TYPE
☒	$\frac{1}{2}$" PER FOOT SLOPED TAPERED INSULATION CRICKETS

PLAN LEGEND

☒	ROOF DRAIN "RD" OVERFLOW ROOF DRAIN "OD" TAPERED INSULATION	GV	VENTILATOR
EF	EXHAUST FAN UNIT	GN ☒	GOOSE NECK
PC	PIPE CURB	HS ⊗	HEAT STACK
RH	ROOF HATCH	RTU	ROOF TOP UNIT
	PIPE SUPPORT	V○	VENT PIPE
XRD	EXG ROOF DRAIN TAPERED INSULATION	▨	WALKWAY PADS
☒PP	PITCH POCKET	SKY	SKYLIGHT
▨	INDICATES ROOF INFILL	RV○	RADON VENT PIPE, REF SHEET A101
	SAFETY RAILS AROUND SKYLIGHT		ABANDON CURB WITH CURB COVER
		— GAS —	GAS LINE ON PIPE SUPPORT
		— — —	ELECT. CONDUIT/PIPING CLAMPED ON U-CHANNELS


4'-0"
4'X4' POLYISOCYANURATE INSULATION BOARD
$\frac{1}{2}$" WET BEAD MINIMUM TYPICAL
4'-0"
2"

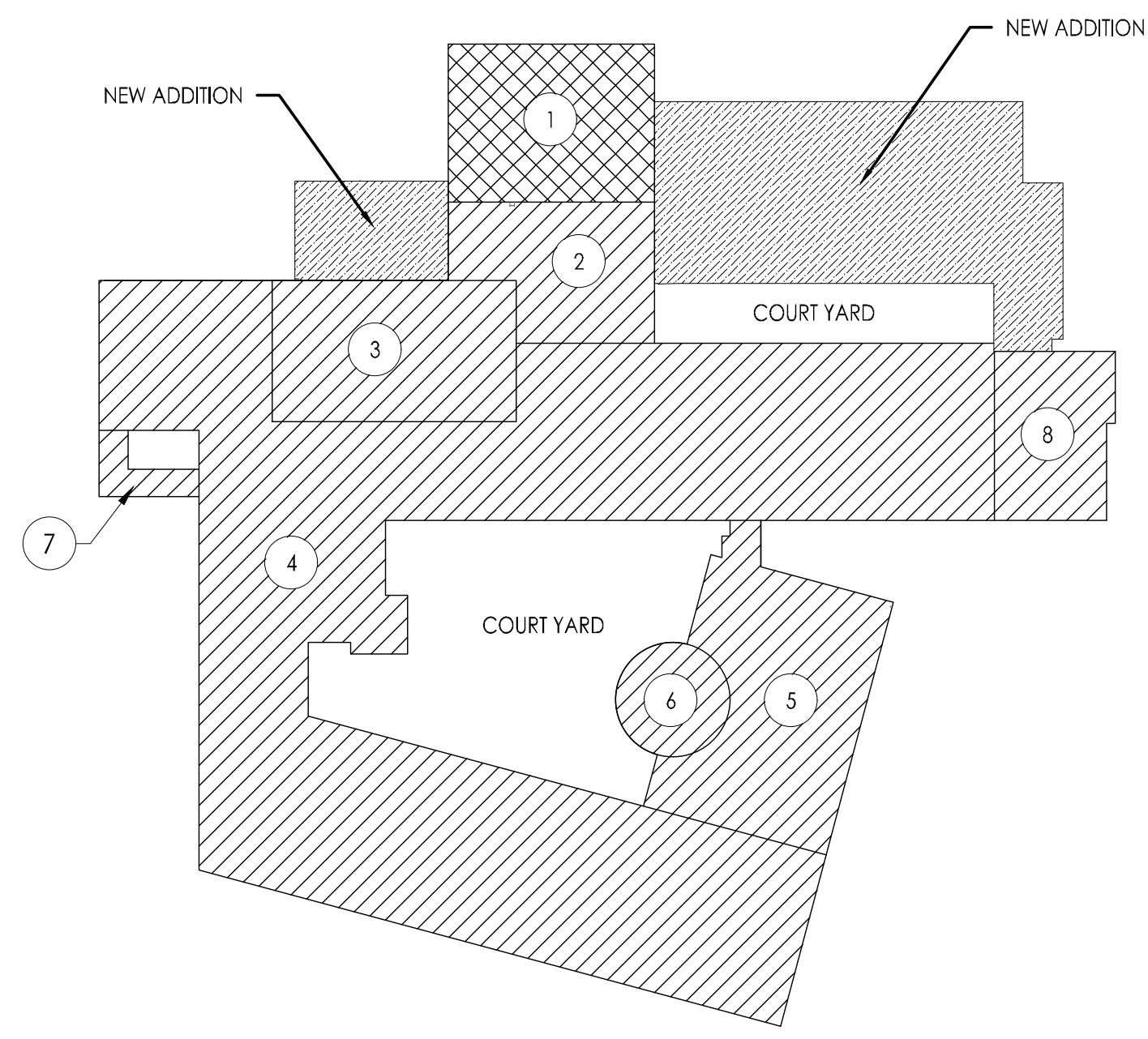
1 TYPICAL INSULATION ADHESIVE BEAD APPLICATION

1"=1'-0

EXISTING ROOF WARRANTY INFORMATION PLAN

PRINCETON LITTLE BROOK
ELEMENTARY SCHOOL

39 Magnolia Lane, Princeton, NJ 08540



	PRJ. #	AREA	MANUFACTURER/ WARRANTY #	ROOFING SYSTEM	DATE INSTALLED	WARRANTY EXPIRATION	RECOMMENDED REPLACEMENT YEAR
▨	N/A	54,470 S.F. +/-	VERSICO / 1592181	EPDM	11/14/2022	02/12/2043	2043
▦	N/A	4,423 S.F. +/-	GARLAND / 22-0655-US	TPO / LIQUITEC	11/07/2022	11/07/2042	2042

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
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NJ - 21AI02003100 | PA - RA410435

Architect

2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
ETS

Scale
AS NOTED

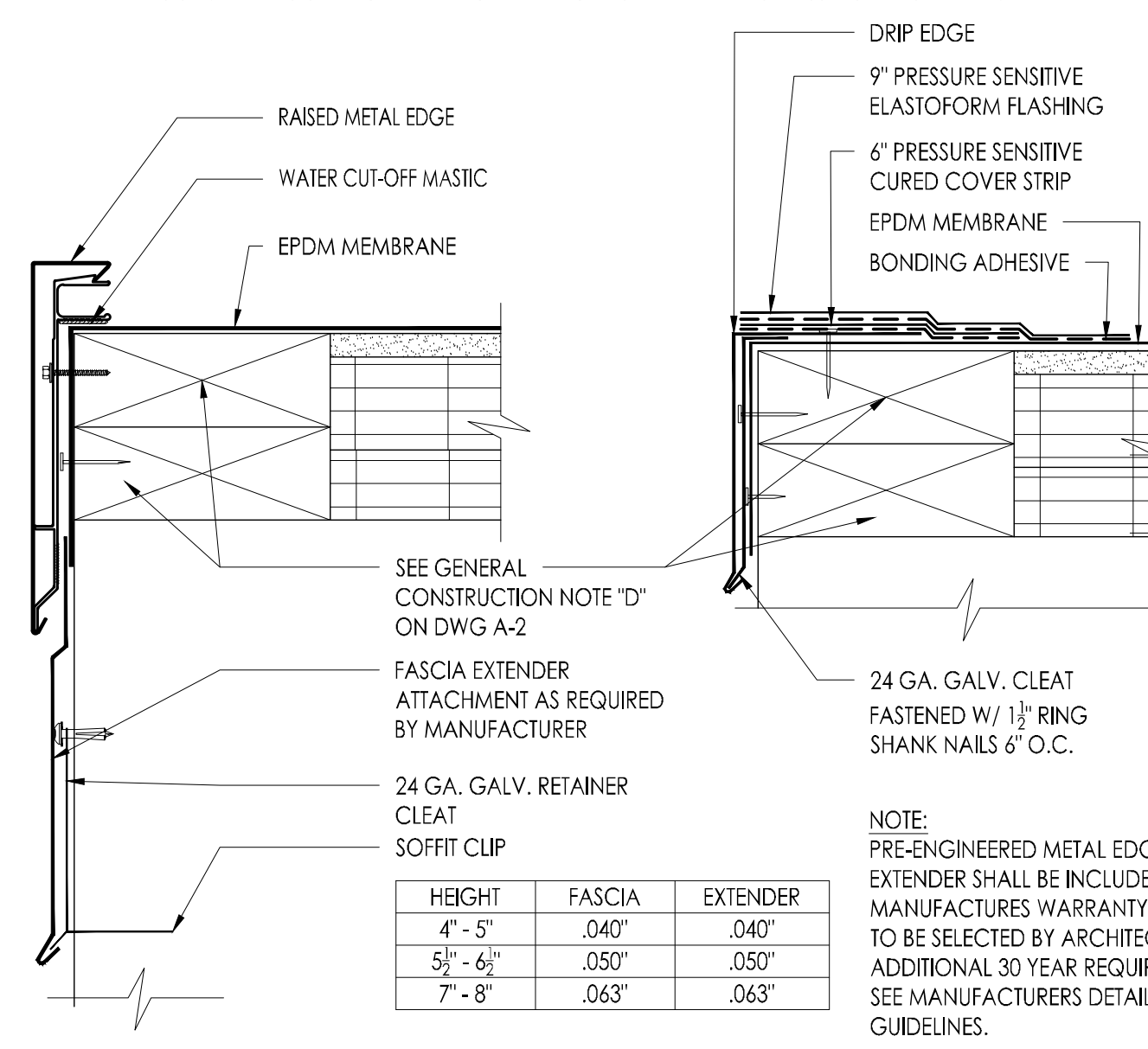
Drawing Name
ROOF PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A111

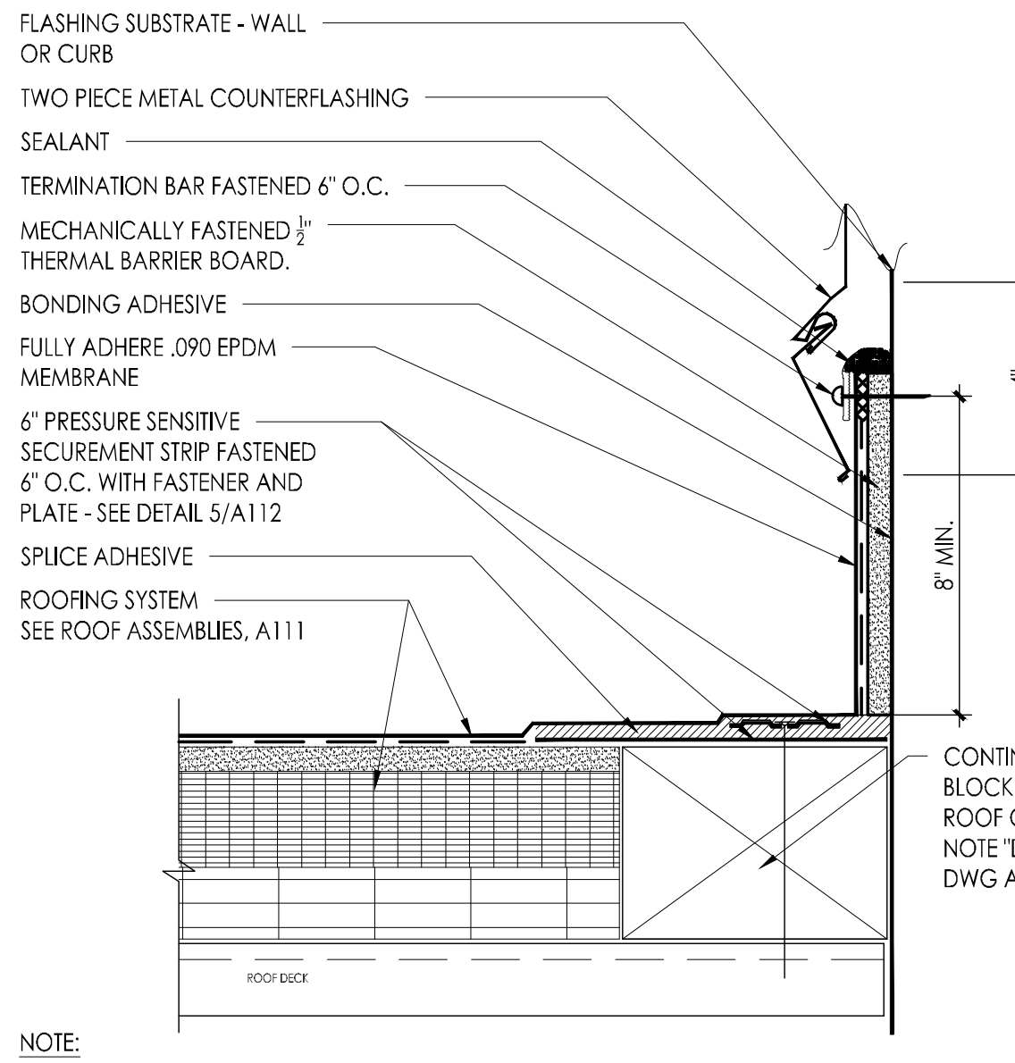
NOTE:
1. PRE-ENGINEERED METAL EDGING AND EXTENDER SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY.
2. MAINTAIN A CONSTANT ROOF EDGE ELEVATION IN A HORIZONTAL PLANE UNLESS NOTED OTHERWISE.


DRIP EDGE
9" PRESSURE SENSITIVE ELASTOFORM FLASHING
6" PRESSURE SENSITIVE CURED COVER STRIP
EPDM MEMBRANE
BONDING ADHESIVE
RAISED METAL EDGE
WATER CUT-OFF MASTIC
EPDM MEMBRANE
SEE GENERAL CONSTRUCTION NOTE "D" ON DWG A-2
FASCIA EXTENDER ATTACHMENT AS REQUIRED BY MANUFACTURER
24 GA. GALV. CLEAT FASTENED W/ 1½" RING SHANK NAILS 6" O.C.
24 GA. GALV. RETAINER CLEAT
SOFFIT CLIP

HEIGHT	FASCIA	EXTENDER
4" - 5"	.040"	.040"
5½" - 6½"	.050"	.050"
7" - 8"	.063"	.063"

NOTE:
PRE-ENGINEERED METAL EDGING AND EXTENDER SHALL BE INCLUDED IN MANUFACTURES WARRANTY, COLOR TO BE SELECTED BY ARCHITECT. FOR ADDITIONAL 30 YEAR REQUIREMENTS SEE MANUFACTURERS DETAILS AND GUIDELINES.

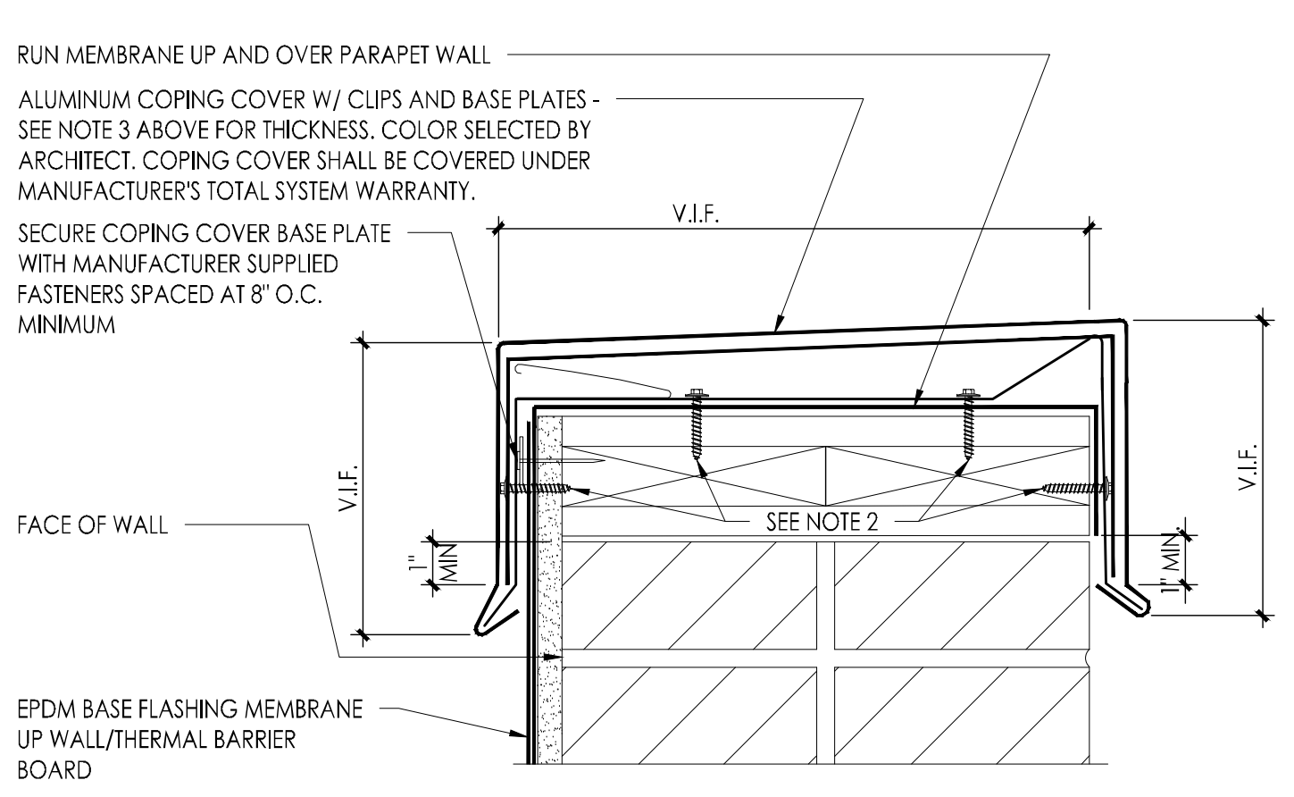
1 TYPICAL METAL EDGE ASSEMBLIES
3" = 1'-0"


FLASHING SUBSTRATE - WALL OR CURB
TWO PIECE METAL COUNTERFLASHING
SEALANT
TERMINATION BAR FASTENED 6" O.C.
MECHANICALLY FASTENED ½" THERMAL BARRIER BOARD.
BONDING ADHESIVE
FULLY ADHERE .090 EPDM MEMBRANE
6" PRESSURE SENSITIVE SECUREMENT STRIP FASTENED 6" O.C. WITH FASTENER AND PLATE - SEE DETAIL 5/A112
SPLICE ADHESIVE
ROOFING SYSTEM SEE ROOF ASSEMBLIES, A111
4"
8" MIN.
CONTINUOUS FRT WOOD BLOCKING, SEE GENERAL ROOF CONSTRUCTION NOTE "D" ON DWG A111
ROOF DECK

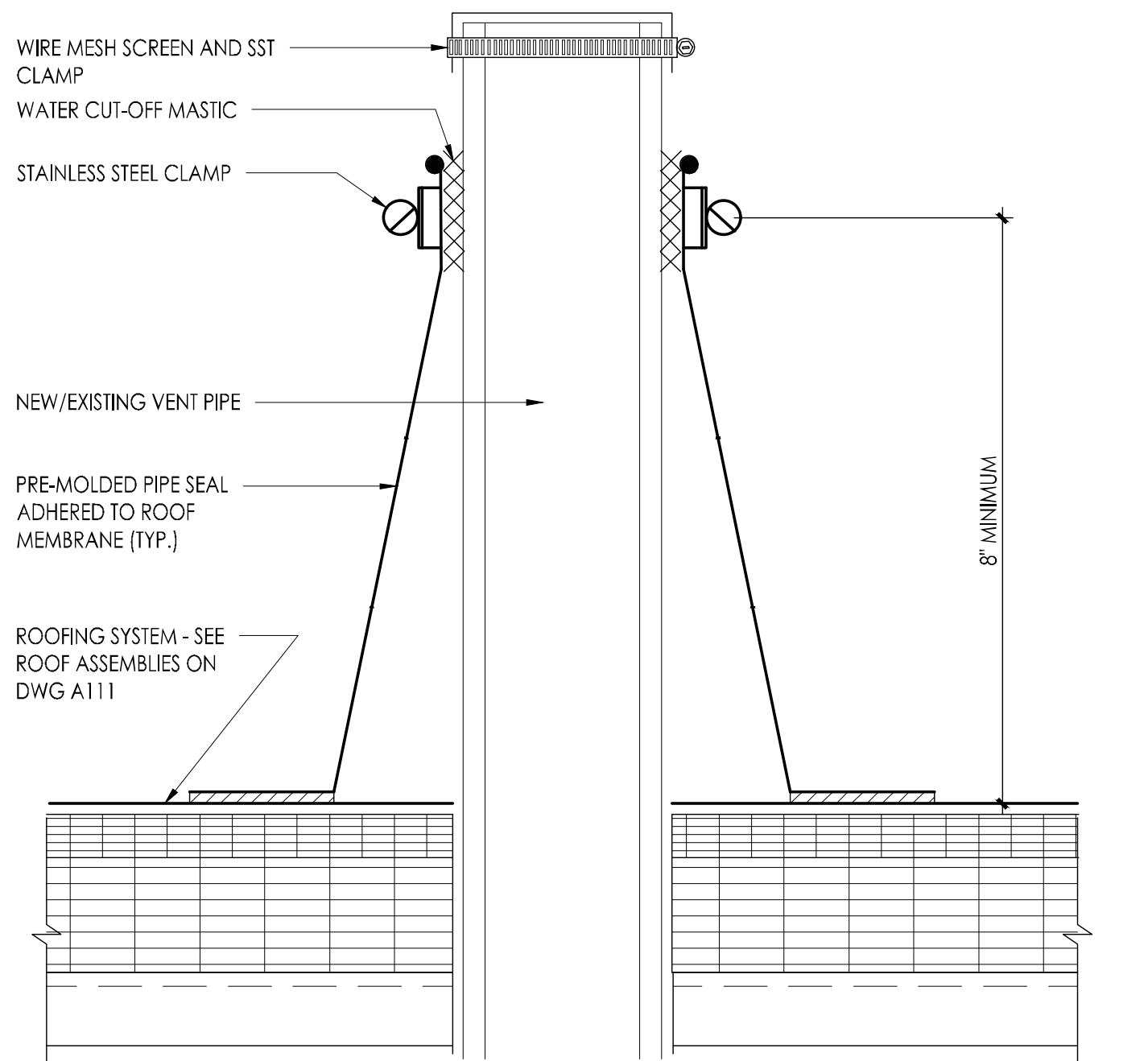
NOTE:
ALL VERT. SPLICES MUST BE OVERLAID WITH TWO LAYERS OF PRESSURE SENSITIVE ELASTOFORM FLASHING. 6" WIDE AT BOTTOM COVERED BY 12" WIDE.
FOR ADDITIONAL 30 YEAR REQUIREMENTS SEE MANUFACTURERS DETAILS AND GUIDELINES.

2 TYPICAL BASE FLASHING DETAIL
3" = 1'-0"

NOTE:
1. PRE-ENGINEERED METAL SHALL BE SUPPLIED BY ROOFING MANUFACTURER AND INCLUDED IN MANUFACTURER'S WARRANTY.
2. USE ONLY MANUFACTURER'S SUPPLIED FASTENERS FOR ATTACHMENT.
3. FOR COPING COVER WITH A WIDTH LESS THAT 16" PROVIDE .050 THICK PREFINISHED ALUM. COVER. FOR WIDTH GREATER THAN 16" PROVIDE .063 THICK PREFINISHED ALUM. COVER. FOR COPING COVER WITH A WIDTH GREATER THAN 24" TO 36" PROVIDE .080 THICK PREFINISHED ALUM. COVER
4. ENDS AT WALL MUST BE TURNED UP AND COVERED WITH COUNTERFLASHING PER DETAIL X/A-X.

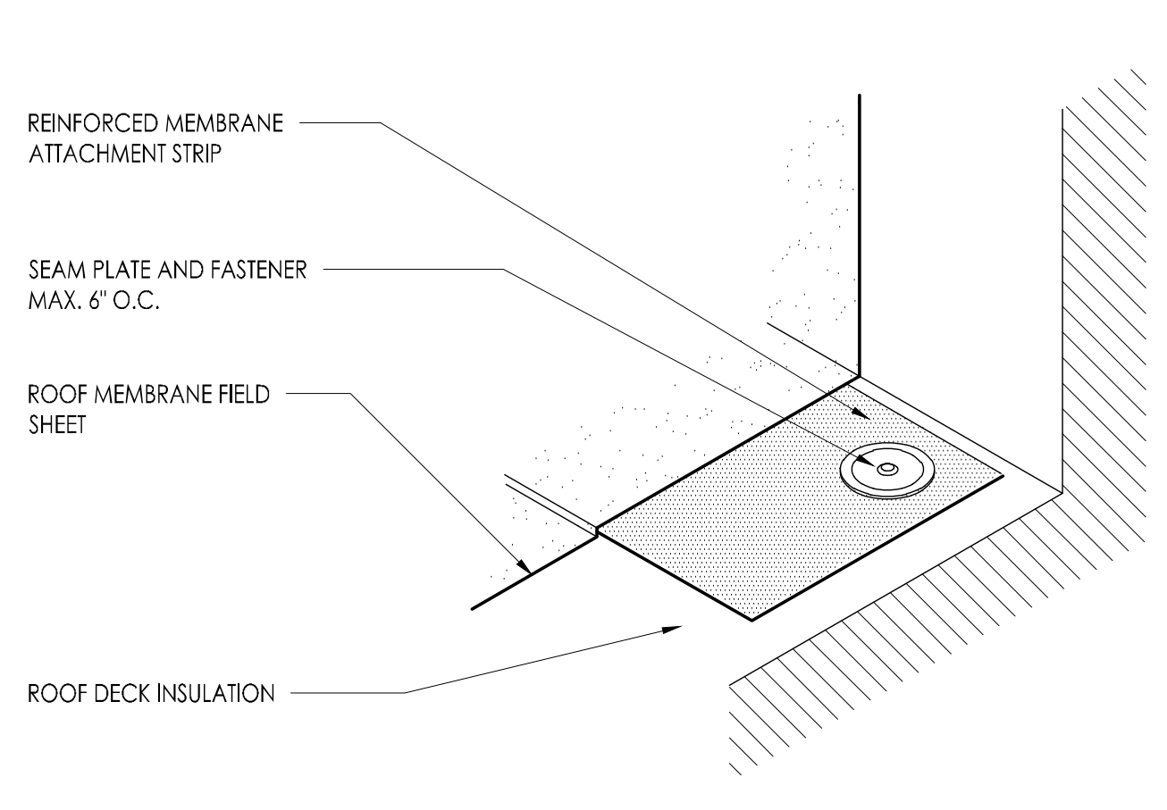

RUN MEMBRANE UP AND OVER PARAPET WALL
ALUMINUM COPING COVER W/ CLIPS AND BASE PLATES - SEE NOTE 3 ABOVE FOR THICKNESS. COLOR SELECTED BY ARCHITECT. COPING COVER SHALL BE COVERED UNDER MANUFACTURER'S TOTAL SYSTEM WARRANTY.
SECURE COPING COVER BASE PLATE WITH MANUFACTURER SUPPLIED FASTENERS SPACED AT 8" O.C. MINIMUM
V.I.F.
V.I.F.
V.I.F.
SEE NOTE 2
1" MIN
1" MIN
FACE OF WALL
EPDM BASE FLASHING MEMBRANE UP WALL/THERMAL BARRIER BOARD

3 TYPICAL COPING AT PARAPET WALL
3" = 1'-0"


WIRE MESH SCREEN AND SST CLAMP
WATER CUT-OFF MASTIC
STAINLESS STEEL CLAMP
NEW/EXISTING VENT PIPE
PRE-MOLDED PIPE SEAL ADHERED TO ROOF MEMBRANE (TYP.)
ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111
8" MINIMUM

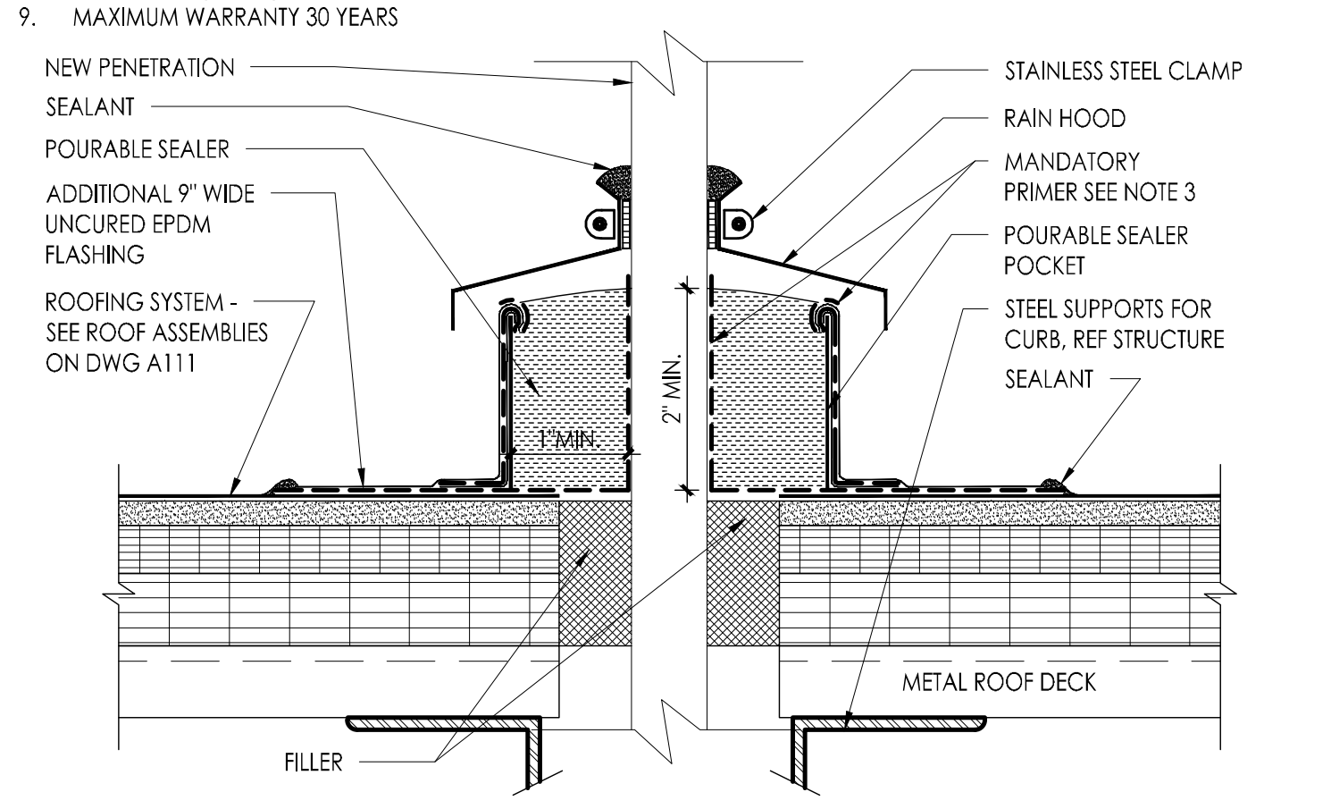
4 TYPICAL VENT PIPE DETAIL
3" = 1'-0"

NOTE:
ALL MATERIALS SHOWN IN DETAILS ARE NEW UNLESS OTHERWISE INDICATED AS EXISTING, TYPICAL.

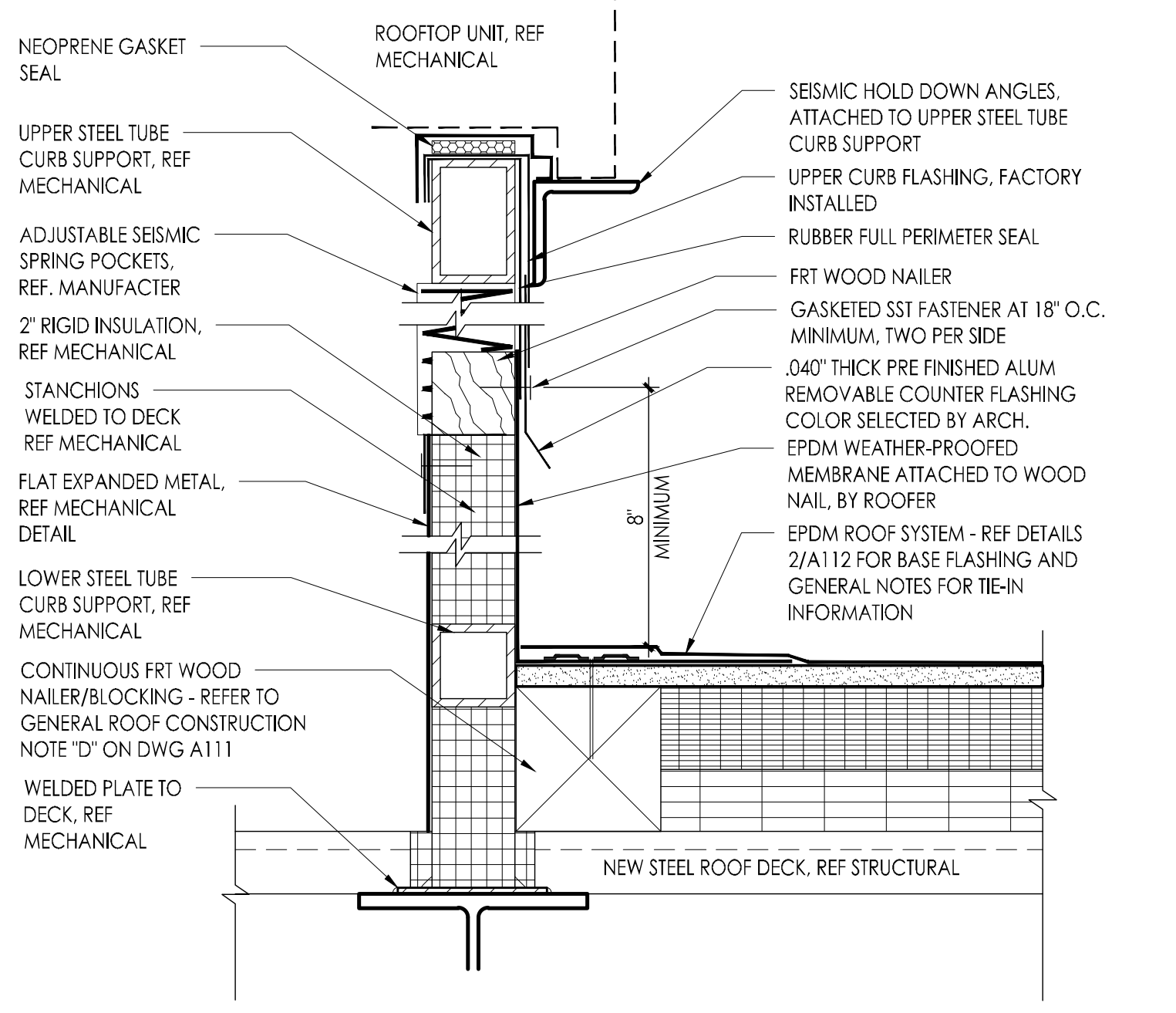

REINFORCED MEMBRANE ATTACHMENT STRIP
SEAM PLATE AND FASTENER MAX. 6" O.C.
ROOF MEMBRANE FIELD SHEET
ROOF DECK INSULATION

5 TYPICAL SECUREMENT STRIP DETAIL
3" = 1'-0"

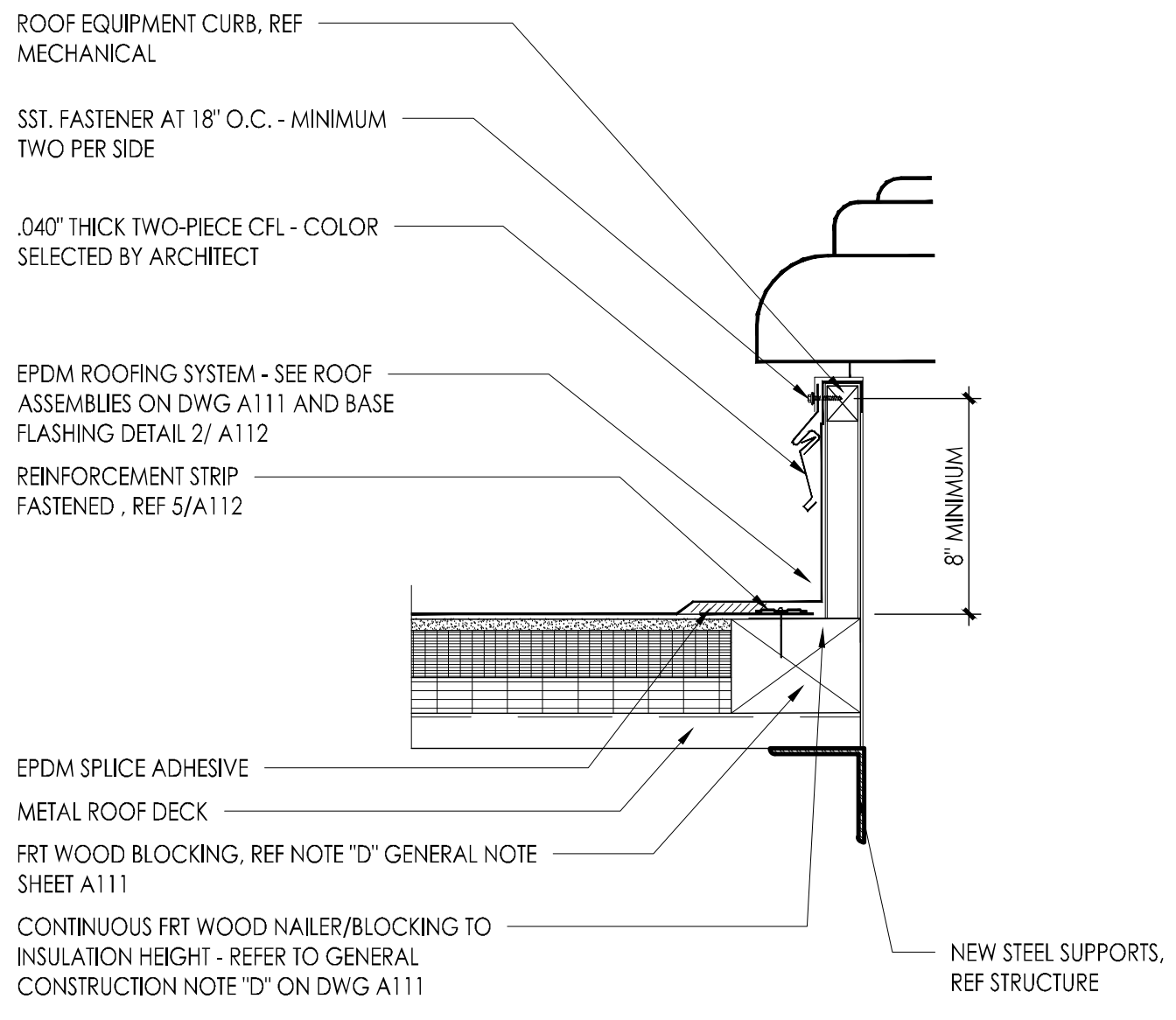
NOTES:
1. THE MAXIMUM ALLOWABLE SURFACE TEMPERATURE OF THE PENETRATION SHALL NOT EXCEED 180° F (82° C).
2. ALL DEBRIS (PAINT, RUST, LEAD, OTHER FLASHINGS, ETC.) MUST BE REMOVED FROM THE PENETRATION.
3. ALL SURFACES MUST BE PRIMED WITH EPDM PRIMER PRIOR TO APPLYING POURABLE SEALER. DO NOT PRIME THE BLUE PLASTIC SUPPORT STRIP.
4. POURABLE SEALER MUST COMPLETELY FILL POURABLE SEALER POCKET TO PREVENT PONDING OF WATER.
5. POURABLE SEALER MUST CONTACT PRIMED QUICK-APPLIED UNCURED EPDM FLASHING AND DECK MEMBRANE.
6. SECUREMENT IS REQUIRED FOR POURABLE SEALER POCKETS WHICH ARE GREATER THAN 18" (46cm) IN DIAMETER. REFER TO SPECIFICATIONS.
7. ON MECHANICALLY-FASTENED ROOFING SYSTEMS, ADDITIONAL MEMBRANE SECUREMENT IS REQUIRED REGARDLESS OF SIZE OR DIAMETER.
8. MINIMUM 1" (2.5cm) CLEARANCE REQUIRED BETWEEN PENETRATIONS.
9. MAXIMUM WARRANTY 30 YEARS


NEW PENETRATION
SEALANT
POURABLE SEALER
ADDITIONAL 9" WIDE UNCURED EPDM FLASHING
ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111
STAINLESS STEEL CLAMP
RAIN HOOD
MANDATORY PRIMER SEE NOTE 3
POURABLE SEALER POCKET
STEEL SUPPORTS FOR CURB, REF STRUCTURE
SEALANT
1" MIN.
2" MIN.
METAL ROOF DECK
FILLER

6 TYPICALPOURABLE SEALER POCKET DETAIL
3" = 1'-0"

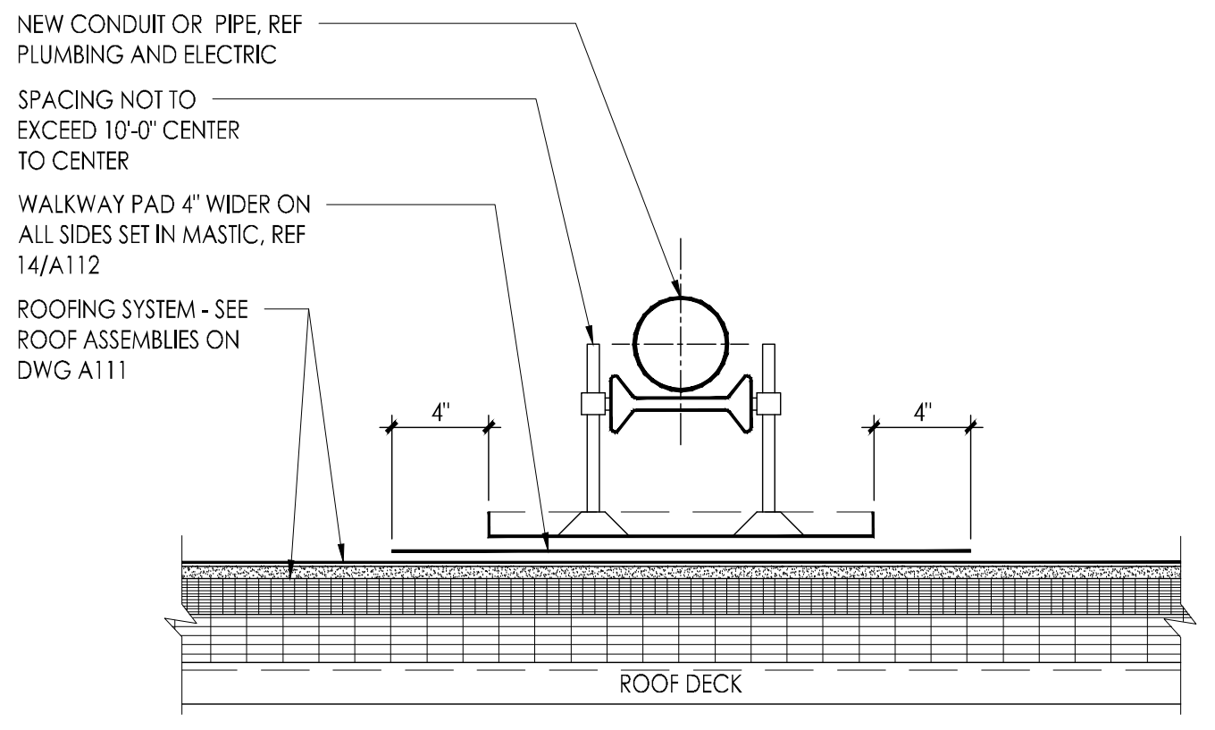

NEOPRENE GASKET SEAL
ROOFTOP UNIT, REF MECHANICAL
UPPER STEEL TUBE CURB SUPPORT, REF MECHANICAL
ADJUSTABLE SEISMIC SPRING POCKETS, REF. MANUFACTER
2" RIGID INSULATION, REF MECHANICAL
STANCHIONS WELDED TO DECK REF MECHANICAL
FLAT EXPANDED METAL, REF MECHANICAL DETAIL
LOWER STEEL TUBE CURB SUPPORT, REF MECHANICAL
CONTINUOUS FRT WOOD NAILER/BLOCKING - REFER TO GENERAL ROOF CONSTRUCTION NOTE "D" ON DWG A111
WELDED PLATE TO DECK, REF MECHANICAL
SEISMIC HOLD DOWN ANGLES, ATTACHED TO UPPER STEEL TUBE CURB SUPPORT
UPPER CURB FLASHING, FACTORY INSTALLED
RUBBER FULL PERIMETER SEAL
FRT WOOD NAILER
GASKETED SST FASTENER AT 18" O.C. MINIMUM, TWO PER SIDE
.040" THICK PRE FINISHED ALUM REMOVABLE COUNTER FLASHING COLOR SELECTED BY ARCH.
EPDM WEATHER-PROOFED MEMBRANE ATTACHED TO WOOD NAIL, BY ROOFER
EPDM ROOF SYSTEM - REF DETAILS 2/A112 FOR BASE FLASHING AND GENERAL NOTES FOR TIE-IN INFORMATION
8" MINIMUM
NEW STEEL ROOF DECK, REF STRUCTURAL

7 ROOFTOOP UNIT CURB FLASHING
3" = 1'-0"


ROOF EQUIPMENT CURB, REF MECHANICAL
SST. FASTENER AT 18" O.C. - MINIMUM TWO PER SIDE
.040" THICK TWO-PIECE CFL - COLOR SELECTED BY ARCHITECT
EPDM ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111 AND BASE FLASHING DETAIL 2/ A112
REINFORCEMENT STRIP FASTENED , REF 5/A112
8" MINIMUM
EPDM SPLICE ADHESIVE
METAL ROOF DECK
FRT WOOD BLOCKING, REF NOTE "D" GENERAL NOTE SHEET A111
CONTINUOUS FRT WOOD NAILER/BLOCKING TO INSULATION HEIGHT - REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
NEW STEEL SUPPORTS, REF STRUCTURE

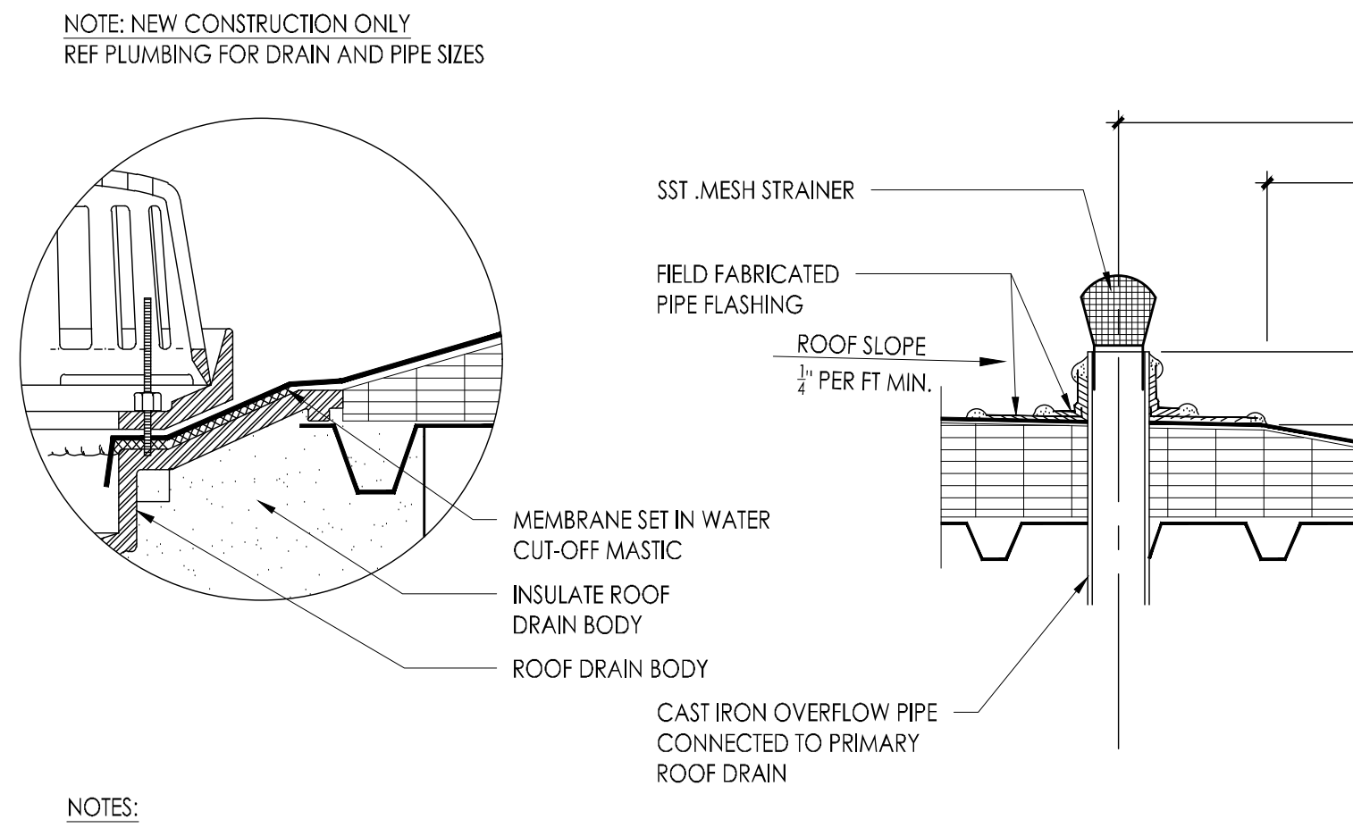
8 TYPICAL EQUIPMENT CURB DETAIL
1-1/2" = 1'-0"

NOTE:
WALKWAYS MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS
QUANTITIES OF PIPE VARY - CONFIRM ACTUAL QUANTITIES IN FIELD


NEW CONDUIT OR PIPE, REF PLUMBING AND ELECTRIC
SPACING NOT TO EXCEED 10'-0" CENTER TO CENTER
WALKWAY PAD 4" WIDER ON ALL SIDES SET IN MASTIC, REF 14/A112
ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111
4"
4"
ROOF DECK

9 TYPICAL PIPE/CONDUIT SUPPORT DETAIL
1-1/2" = 1'-0"

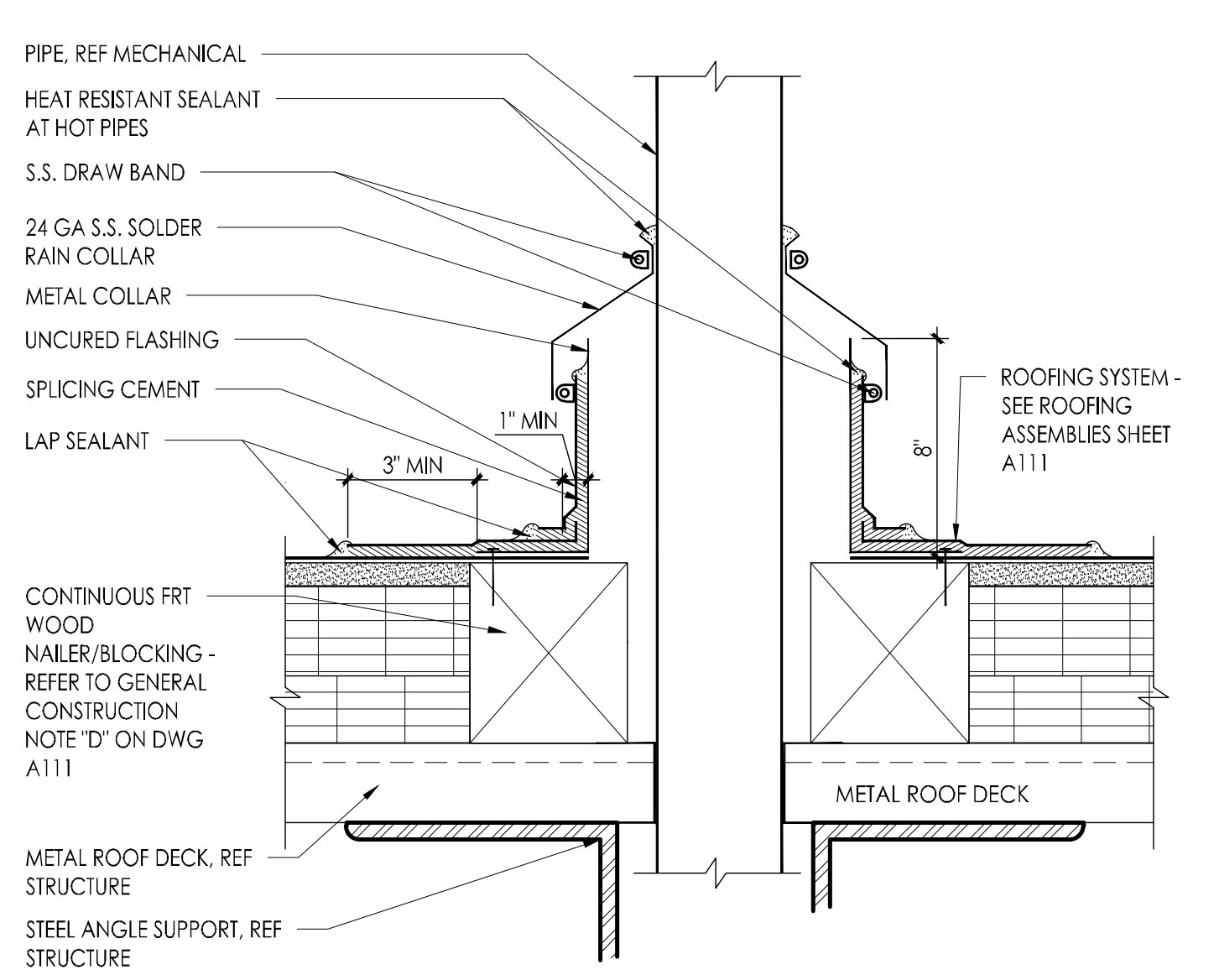
NOTE: NEW CONSTRUCTION ONLY
REF PLUMBING FOR DRAIN AND PIPE SIZES


SST .MESH STRAINER
FIELD FABRICATED PIPE FLASHING
ROOF SLOPE ¼" PER FT MIN.
2'-6"
4'-0"
3"
CLAMPING RING
WATER CUT-OFF MASTIC
EPDM FIELD MEMBRANE - SEE ROOFING ASSEMBLIES
MEMBRANE SET IN WATER CUT-OFF MASTIC
INSULATE ROOF DRAIN BODY
ROOF DRAIN BODY
CAST IRON OVERFLOW PIPE CONNECTED TO PRIMARY ROOF DRAIN
INSULATE ROOF DRAIN BODY

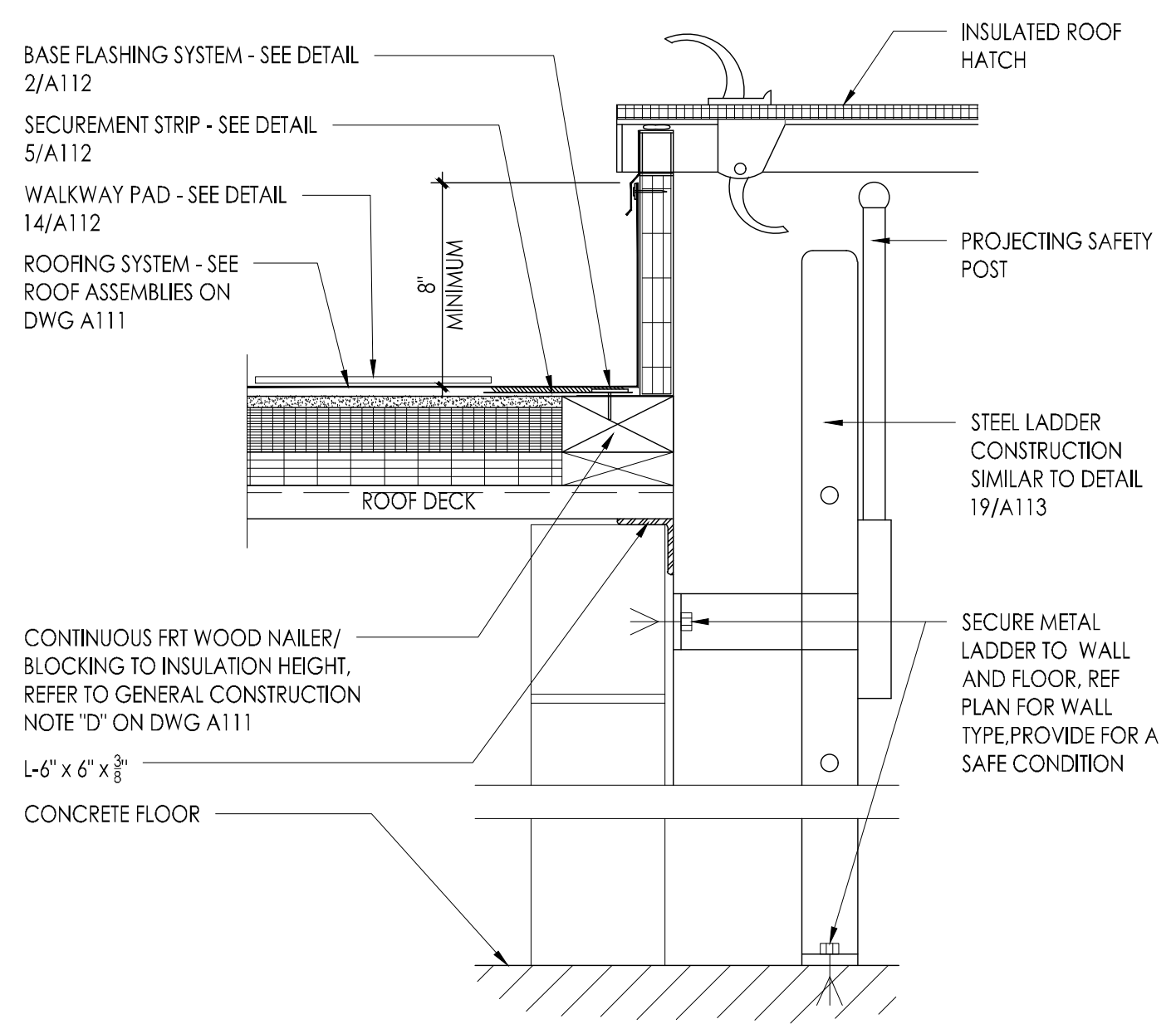
NOTES:
1. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
2. CUT THE MEMBRANE SO IT EXTENDS A MINIMUM OF ½" FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
3. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
4. INSULATION TAPER SHALL NOT BE STEEPER THAN 6 INCHES (VERTICAL) IN 12 INCHES (HORIZONTAL).
5. DRAINS SHALL BE INCLUDED IN ROOFING MANUFACTURERS WARRANTY.

10 TYPICAL ROOF DRAIN AND OVERFLOW DETAIL
1-1/2" = 1'-0"

NOTES:
1. UNCURED FLASHING SHALL HAVE 3" MINIMUM MEMBRANE SPLICE
2. TEMPERATURE MUST NOT EXCEED 180°F
3. INSULATE AT COLD PIPES

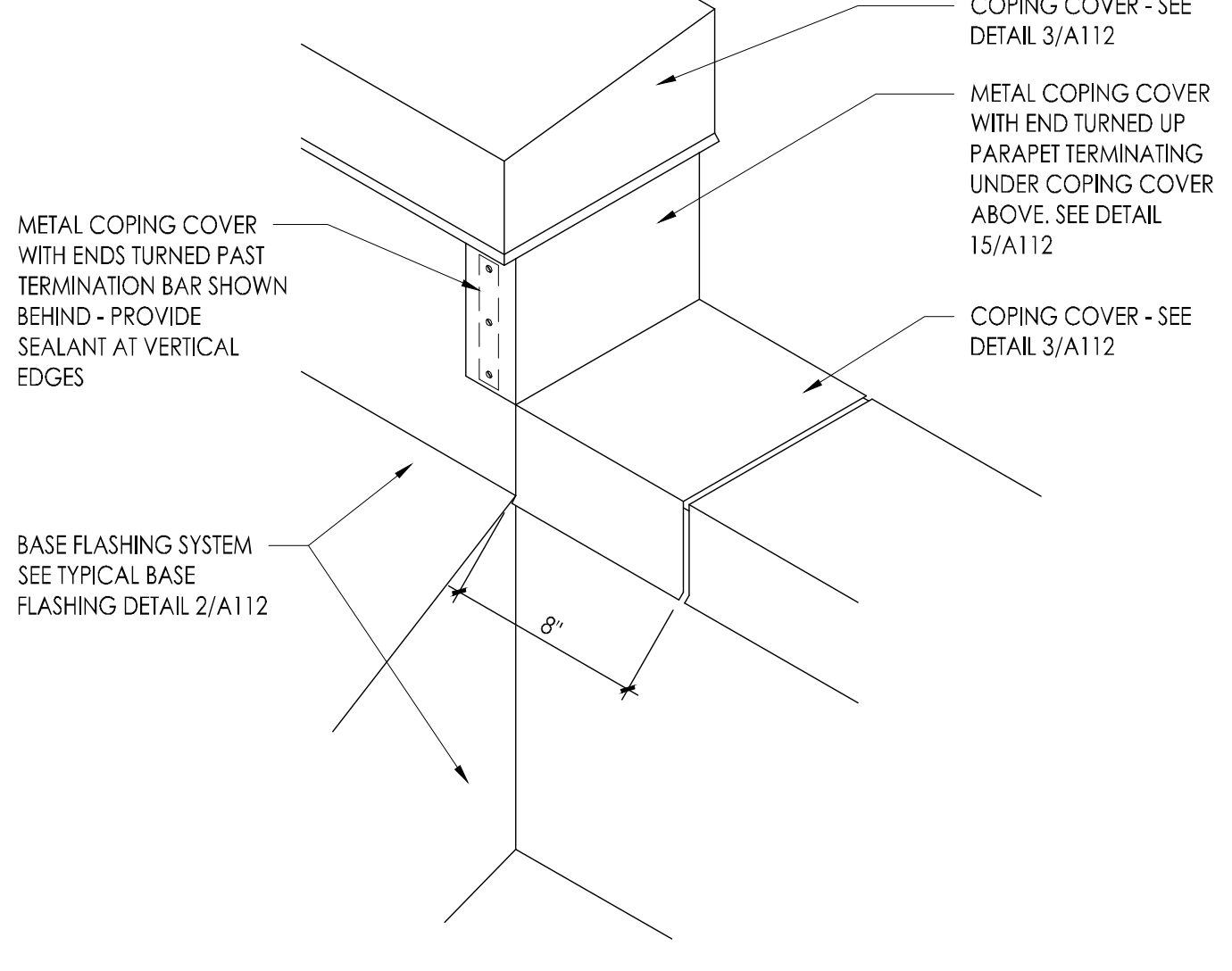

PIPE, REF MECHANICAL
HEAT RESISTANT SEALANT AT HOT PIPES
S.S. DRAW BAND
24 GA S.S. SOLDER RAIN COLLAR
METAL COLLAR
UNCURED FLASHING
SPLICING CEMENT
LAP SEALANT
1" MIN
3" MIN
8"
ROOFING SYSTEM - SEE ROOFING ASSEMBLIES SHEET A111
CONTINUOUS FRT WOOD NAILER/BLOCKING - REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
METAL ROOF DECK
METAL ROOF DECK, REF STRUCTURE
STEEL ANGLE SUPPORT, REF STRUCTURE

11 PENETRATION DETAIL @ HEAT STACK
3" = 1'-0"


BASE FLASHING SYSTEM - SEE DETAIL 2/A112
SECUREMENT STRIP - SEE DETAIL 5/A112
WALKWAY PAD - SEE DETAIL 14/A112
ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111
8" MINIMUM
ROOF DECK
INSULATED ROOF HATCH
PROJECTING SAFETY POST
STEEL LADDER CONSTRUCTION SIMILAR TO DETAIL 19/A113
CONTINUOUS FRT WOOD NAILER/ BLOCKING TO INSULATION HEIGHT, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
L-6" x 6" x ⅜"
CONCRETE FLOOR
SECURE METAL LADDER TO WALL AND FLOOR, REF PLAN FOR WALL TYPE,PROVIDE FOR A SAFE CONDITION

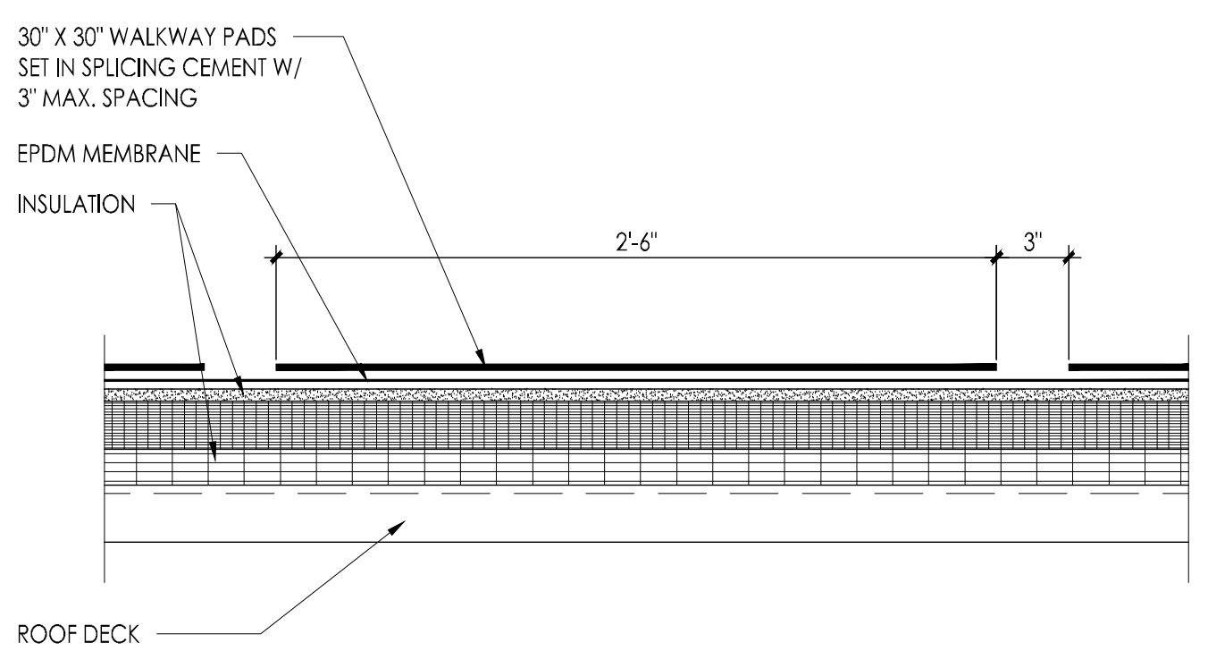
12 ROOF HATCH DETAIL
1-1/2" = 1'-0"

NOTE: EIFS ALL SIDES AT "SIM" CONDITION.

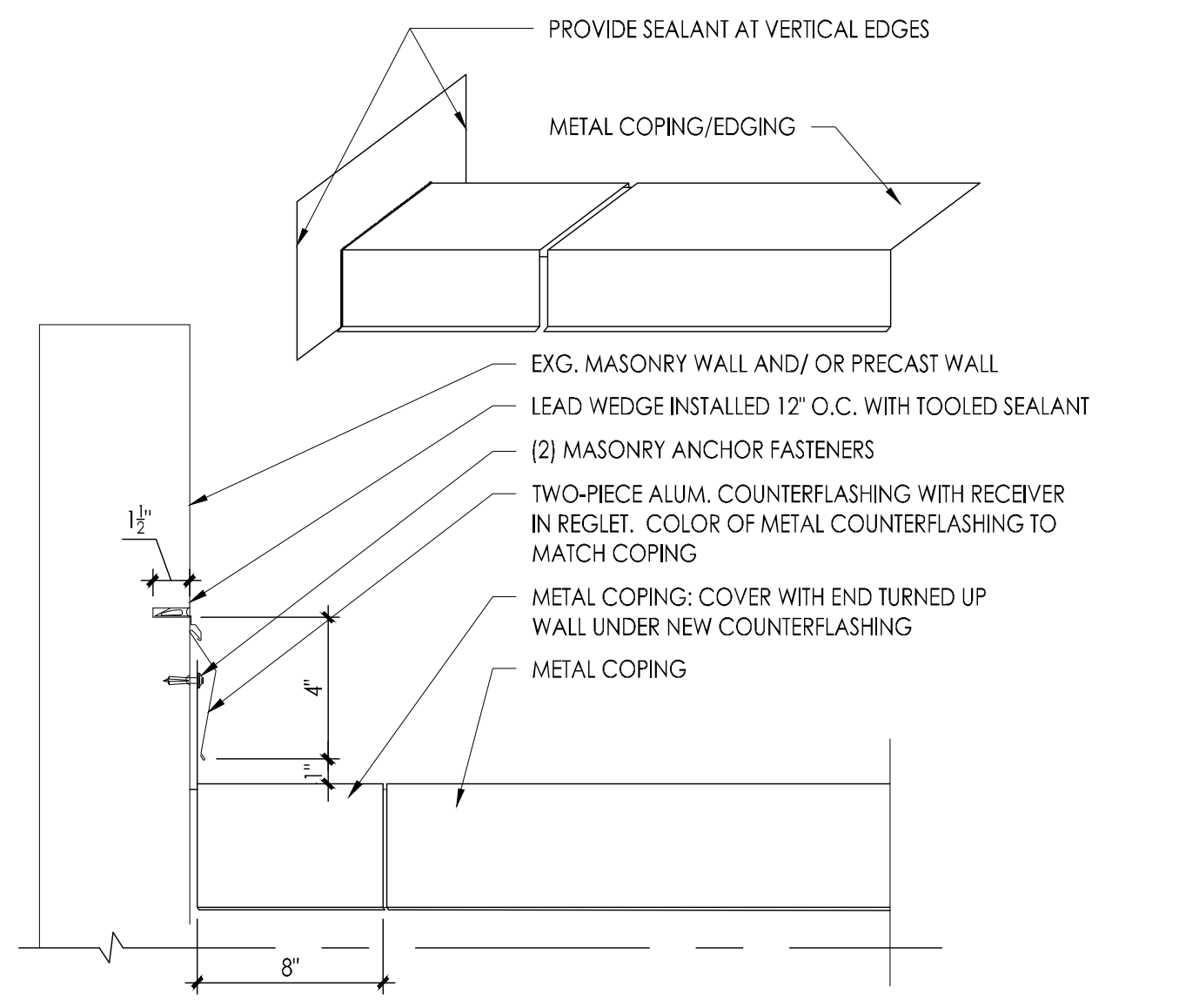

COPING COVER - SEE DETAIL 3/A112
METAL COPING COVER WITH END TURNED UP PARAPET TERMINATING UNDER COPING COVER ABOVE. SEE DETAIL 15/A112
COPING COVER - SEE DETAIL 3/A112
METAL COPING COVER WITH ENDS TURNED PAST TERMINATION BAR SHOWN BEHIND - PROVIDE SEALANT AT VERTICAL EDGES
BASE FLASHING SYSTEM SEE TYPICAL BASE FLASHING DETAIL 2/A112
8"

13 METAL COPING COVER TERMINATION
N.T.S.

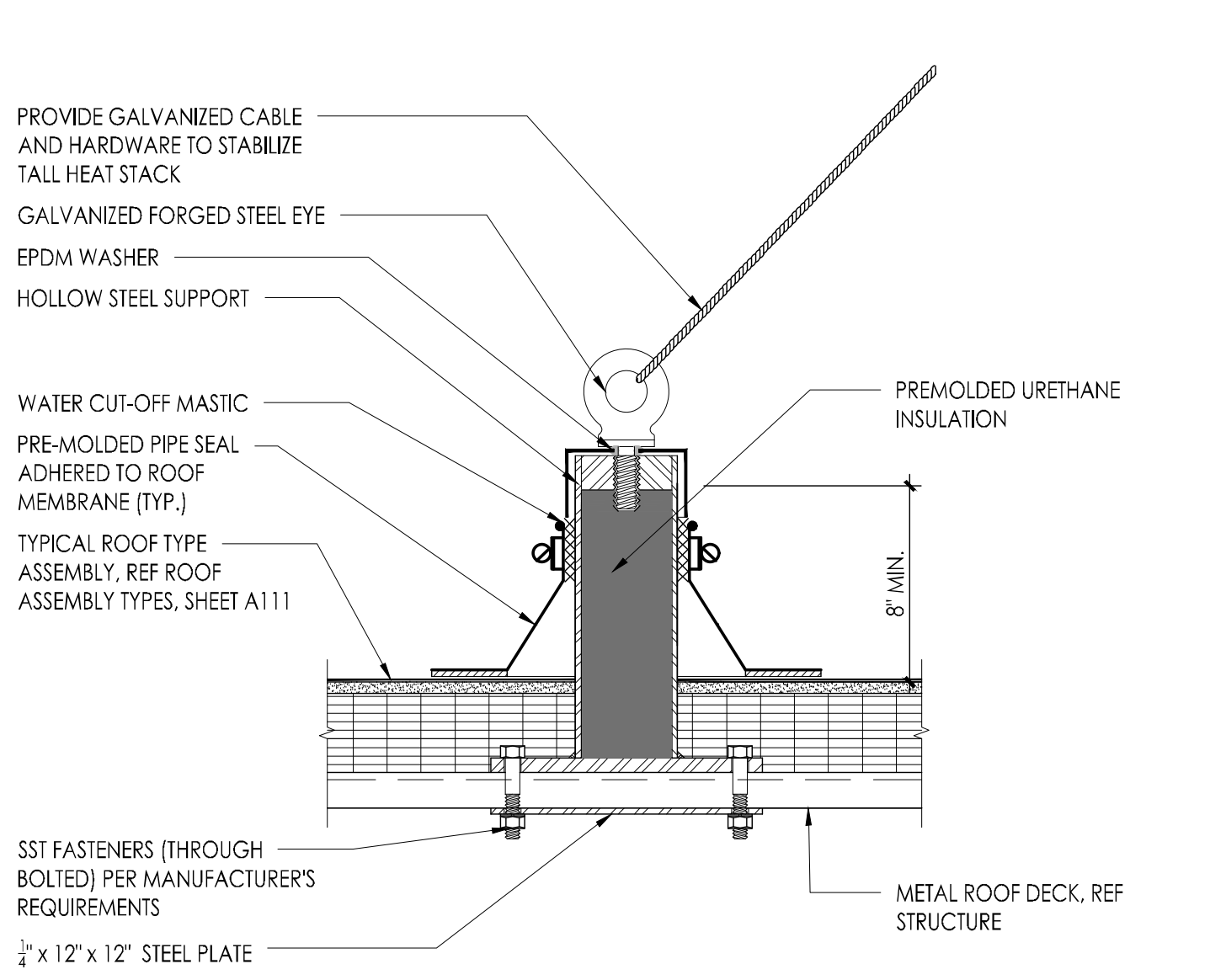
NOTES:
1. WALKWAYS MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS.
2. REF ROOF WARRANTY LEGEND, SHEET A111, FOR EXISTING ROOF AND WARRANTY FOR WALK PAD COMPARABILITY, INSTALL PER MANUFACTURER'S RECOMMENDATIONS


30" X 30" WALKWAY PADS SET IN SPLICING CEMENT W/ 3" MAX. SPACING
EPDM MEMBRANE
INSULATION
2'-6"
3"
ROOF DECK

14 TYPICAL WALK WAY PAD DETAIL
1-1/2" = 1'-0"

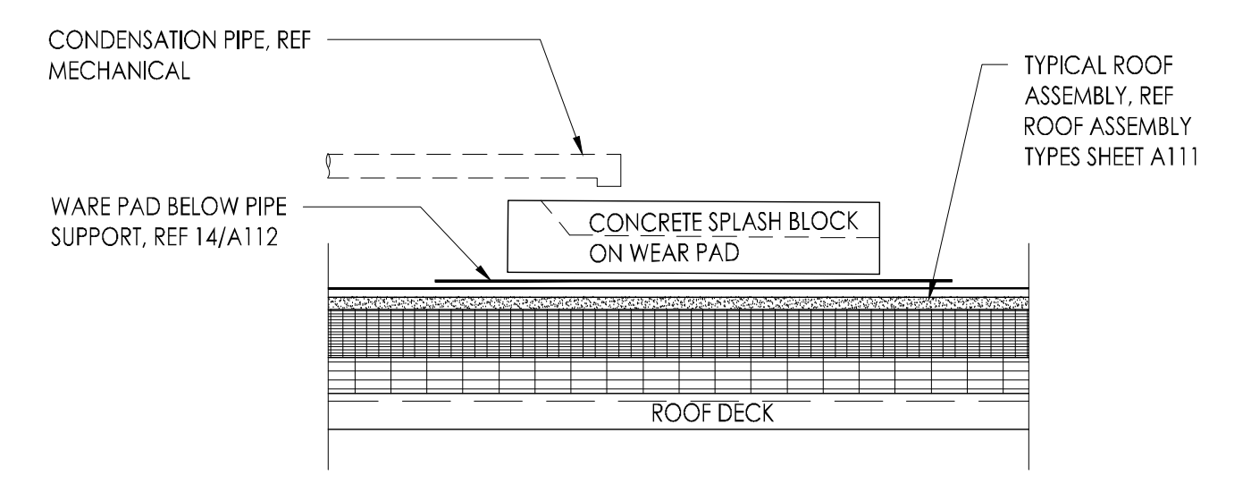

PROVIDE SEALANT AT VERTICAL EDGES
METAL COPING/EDGING
EXG. MASONRY WALL AND/ OR PRECAST WALL
LEAD WEDGE INSTALLED 12" O.C. WITH TOOLED SEALANT
(2) MASONRY ANCHOR FASTENERS
TWO-PIECE ALUM. COUNTERFLASHING WITH RECEIVER IN REGLET. COLOR OF METAL COUNTERFLASHING TO MATCH COPING
METAL COPING: COVER WITH END TURNED UP WALL UNDER NEW COUNTERFLASHING
METAL COPING
1½"
4"
1"
8"

15 TYPICAL METAL COPING COVER TERMINATION AT RISING WALL
1-1/2" = 1'-0"

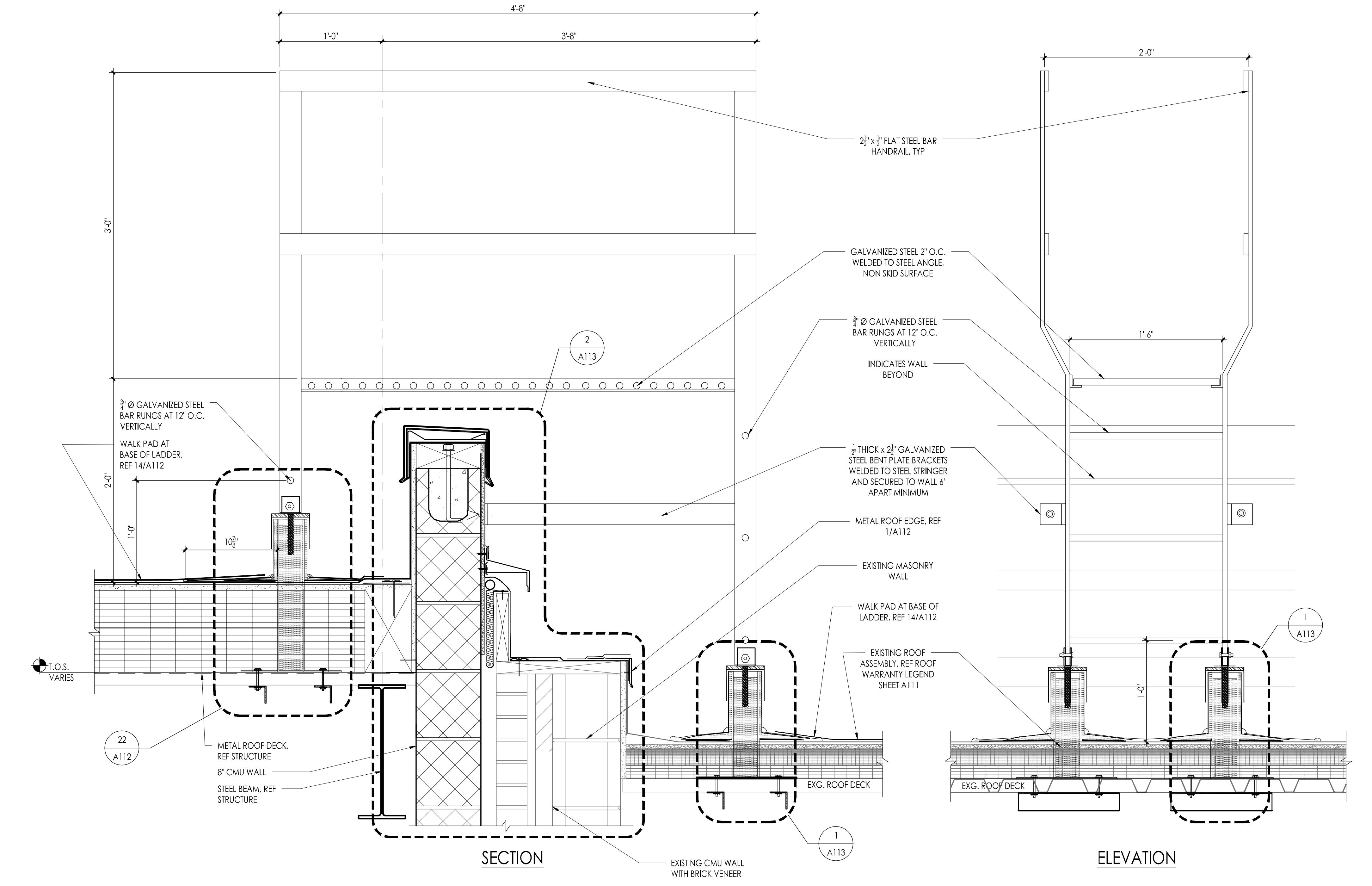

PROVIDE GALVANIZED CABLE AND HARDWARE TO STABILIZE TALL HEAT STACK
GALVANIZED FORGED STEEL EYE
EPDM WASHER
HOLLOW STEEL SUPPORT
WATER CUT-OFF MASTIC
PRE-MOLDED PIPE SEAL ADHERED TO ROOF MEMBRANE (TYP.)
TYPICAL ROOF TYPE ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
PREMOLDED URETHANE INSULATION
8" MIN.
SST FASTENERS (THROUGH BOLTED) PER MANUFACTURER'S REQUIREMENTS
¼" x 12" x 12" STEEL PLATE
METAL ROOF DECK, REF STRUCTURE

16 SUSPENSION WIRE SUPPORT
N.T.S.

NOTE: EXISTING ROOF ASSEMBLY AT "SIM" CONDITION. REF ROOF WARRANTY LEGEND SHEET A111 FOR ROOF TYP AND WARE PAD COMPATIBILITY

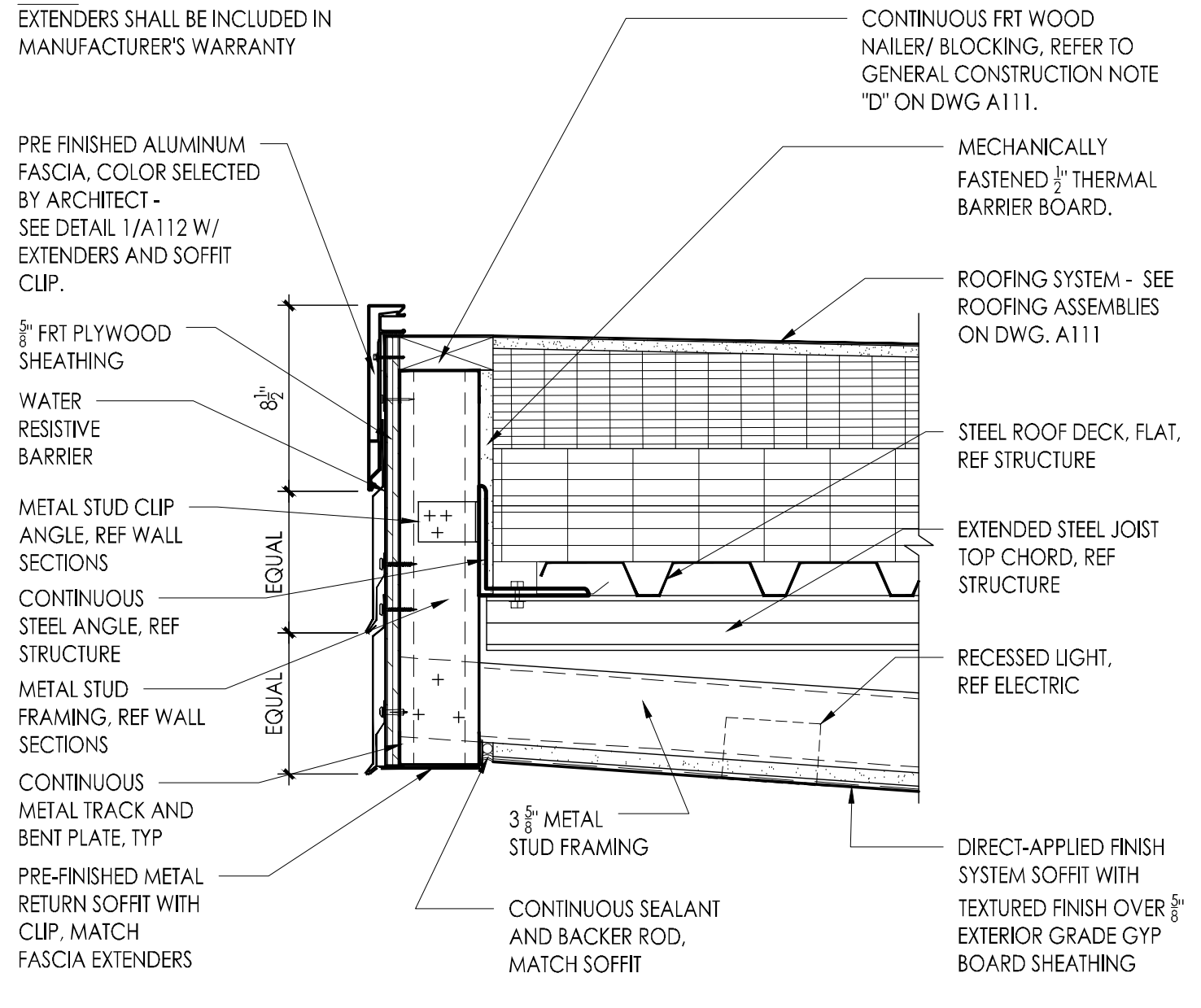

CONDENSATION PIPE, REF MECHANICAL
WARE PAD BELOW PIPE SUPPORT, REF 14/A112
CONCRETE SPLASH BLOCK ON WEAR PAD
TYPICAL ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES SHEET A111
ROOF DECK

17 TYPICAL SPLASH BLOCK ON WARE PAD DETAIL
1-1/2" = 1'-0"

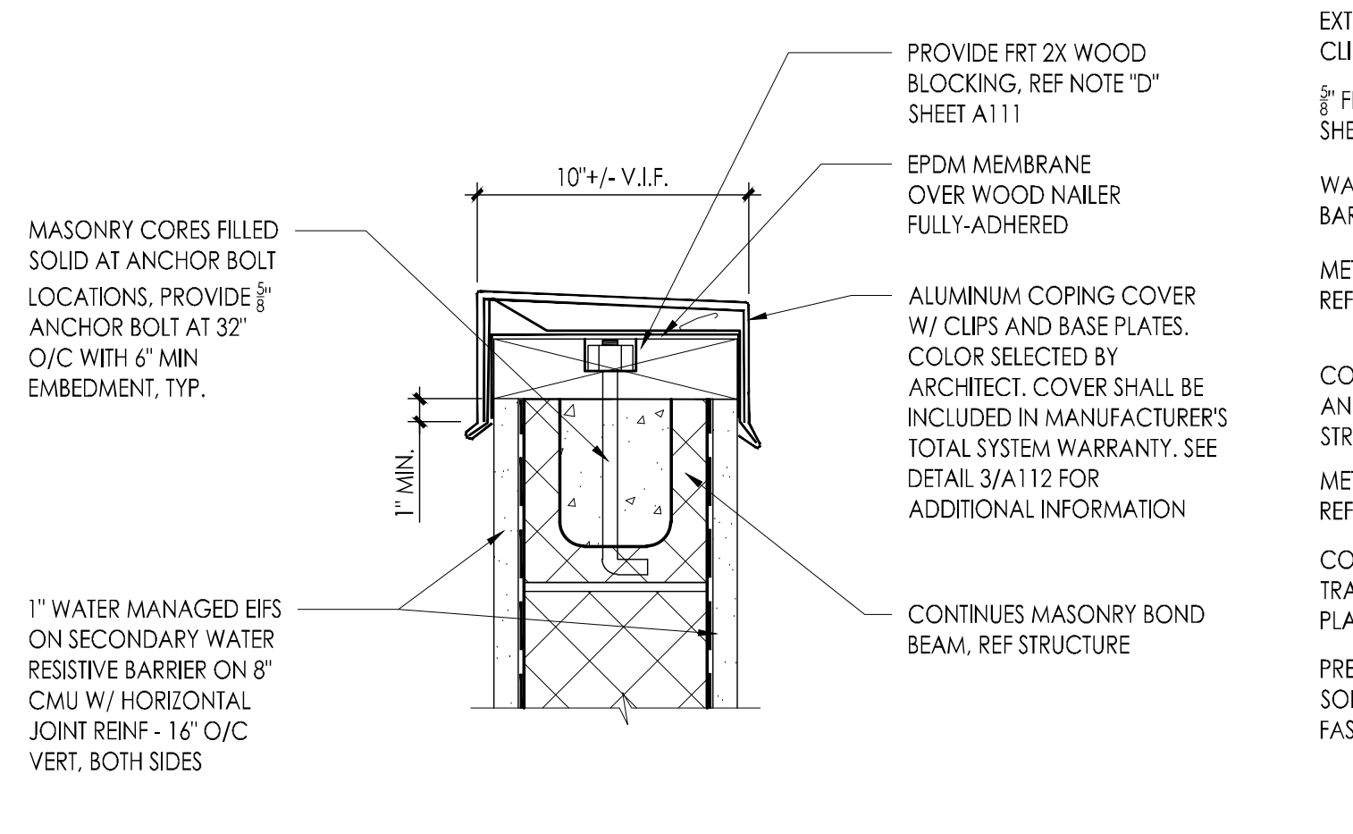

4'-8"
1'-0"
3'-8"
3'-0"
2'-0"
1'-0"
10⅞"
2'-0"
1'-6"
1'-0"
2½" x ½" FLAT STEEL BAR HANDRAIL, TYP
GALVANIZED STEEL 2" O.C. WELDED TO STEEL ANGLE, NON SKID SURFACE
¾" Ø GALVANIZED STEEL BAR RUNGS AT 12" O.C. VERTICALLY
INDICATES WALL BEYOND
½" THICK x 2½" GALVANIZED STEEL BENT PLATE BRACKETS WELDED TO STEEL STRINGER AND SECURED TO WALL 6' APART MINIMUM
METAL ROOF EDGE, REF 1/A112
EXISTING MASONRY WALL
WALK PAD AT BASE OF LADDER, REF 14/A112
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY LEGEND SHEET A111
¾" Ø GALVANIZED STEEL BAR RUNGS AT 12" O.C. VERTICALLY
WALK PAD AT BASE OF LADDER, REF 14/A112
2
A113
1
A113
1
A113
22
A112
T.O.S. VARIES
METAL ROOF DECK, REF STRUCTURE
8" CMU WALL
STEEL BEAM, REF STRUCTURE
EXG. ROOF DECK
EXG. ROOF DECK
EXISTING CMU WALL WITH BRICK VENEER
SECTION
ELEVATION

18 ROOF CROSSOVER LADDER W/ PLATFORM
1 1/2" = 1'-0"

NOTE: PRE-ENGINEERED METAL EDGING AND EXTENDERS SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY

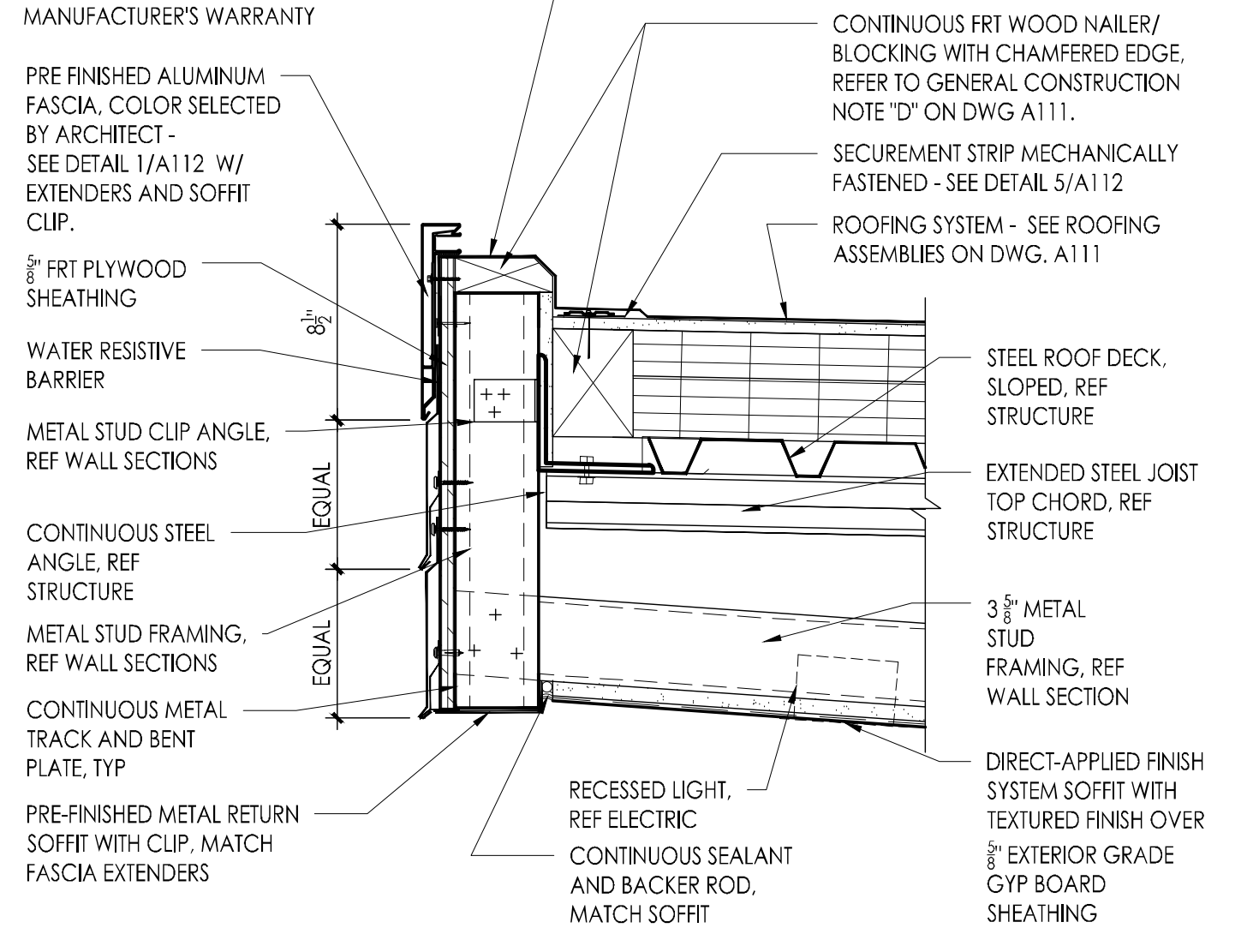

PRE FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT - SEE DETAIL 1/A112 W/ EXTENDERS AND SOFFIT CLIP.
⅝" FRT PLYWOOD SHEATHING
WATER RESISTIVE BARRIER
METAL STUD CLIP ANGLE, REF WALL SECTIONS
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL STUD FRAMING, REF WALL SECTIONS
CONTINUOUS METAL TRACK AND BENT PLATE, TYP
PRE-FINISHED METAL RETURN SOFFIT WITH CLIP, MATCH FASCIA EXTENDERS
8½"
EQUAL
EQUAL
CONTINUOUS FRT WOOD NAILER/ BLOCKING, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111.
MECHANICALLY FASTENED ½" THERMAL BARRIER BOARD.
ROOFING SYSTEM - SEE ROOFING ASSEMBLIES ON DWG. A111
STEEL ROOF DECK, FLAT, REF STRUCTURE
EXTENDED STEEL JOIST TOP CHORD, REF STRUCTURE
RECESSED LIGHT, REF ELECTRIC
3⅝" METAL STUD FRAMING
CONTINUOUS SEALANT AND BACKER ROD, MATCH SOFFIT
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH OVER ⅝" EXTERIOR GRADE GYP BOARD SHEATHING

19 RAISED METAL EDGE W/EXTENDERS @ OVERHANG FLAT METAL ROOF DECK
1-1/2" = 1'-0"

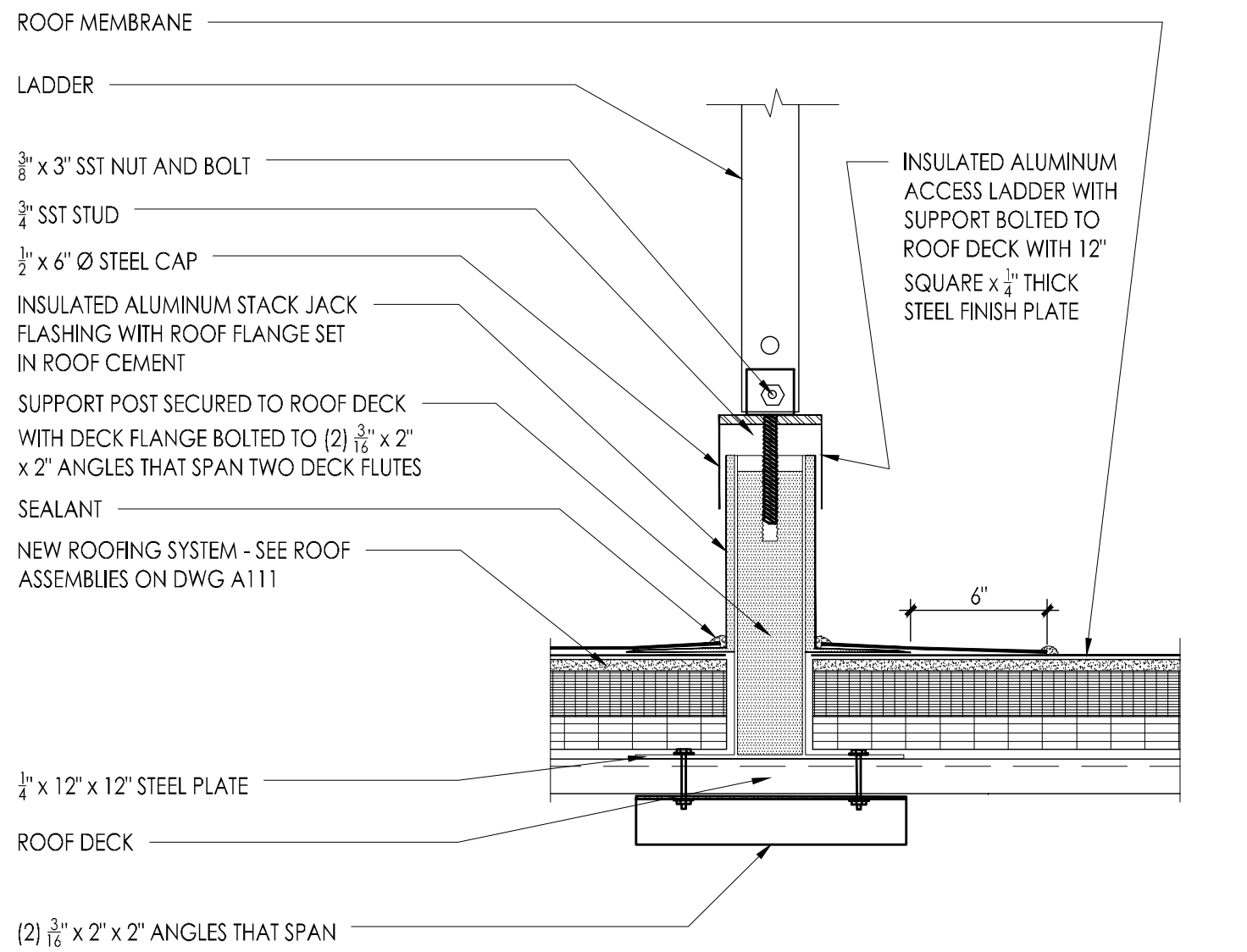

MASONRY CORES FILLED SOLID AT ANCHOR BOLT LOCATIONS, PROVIDE ⅝" ANCHOR BOLT AT 32" O/C WITH 6" MIN EMBEDMENT, TYP.
10"+/- V.I.F.
1" MIN.
1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER ON 8" CMU W/ HORIZONTAL JOINT REINF - 16" O/C VERT, BOTH SIDES
PROVIDE FRT 2X WOOD BLOCKING, REF NOTE "D" SHEET A111
EPDM MEMBRANE OVER WOOD NAILER FULLY-ADHERED
ALUMINUM COPING COVER W/ CLIPS AND BASE PLATES. COLOR SELECTED BY ARCHITECT. COVER SHALL BE INCLUDED IN MANUFACTURER'S TOTAL SYSTEM WARRANTY. SEE DETAIL 3/A112 FOR ADDITIONAL INFORMATION
CONTINUES MASONRY BOND BEAM, REF STRUCTURE

20 METAL COPING AT EIFS WALL
1-1/2" = 1'-0"

NOTE: PRE-ENGINEERED METAL EDGING AND EXTENDERS SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY

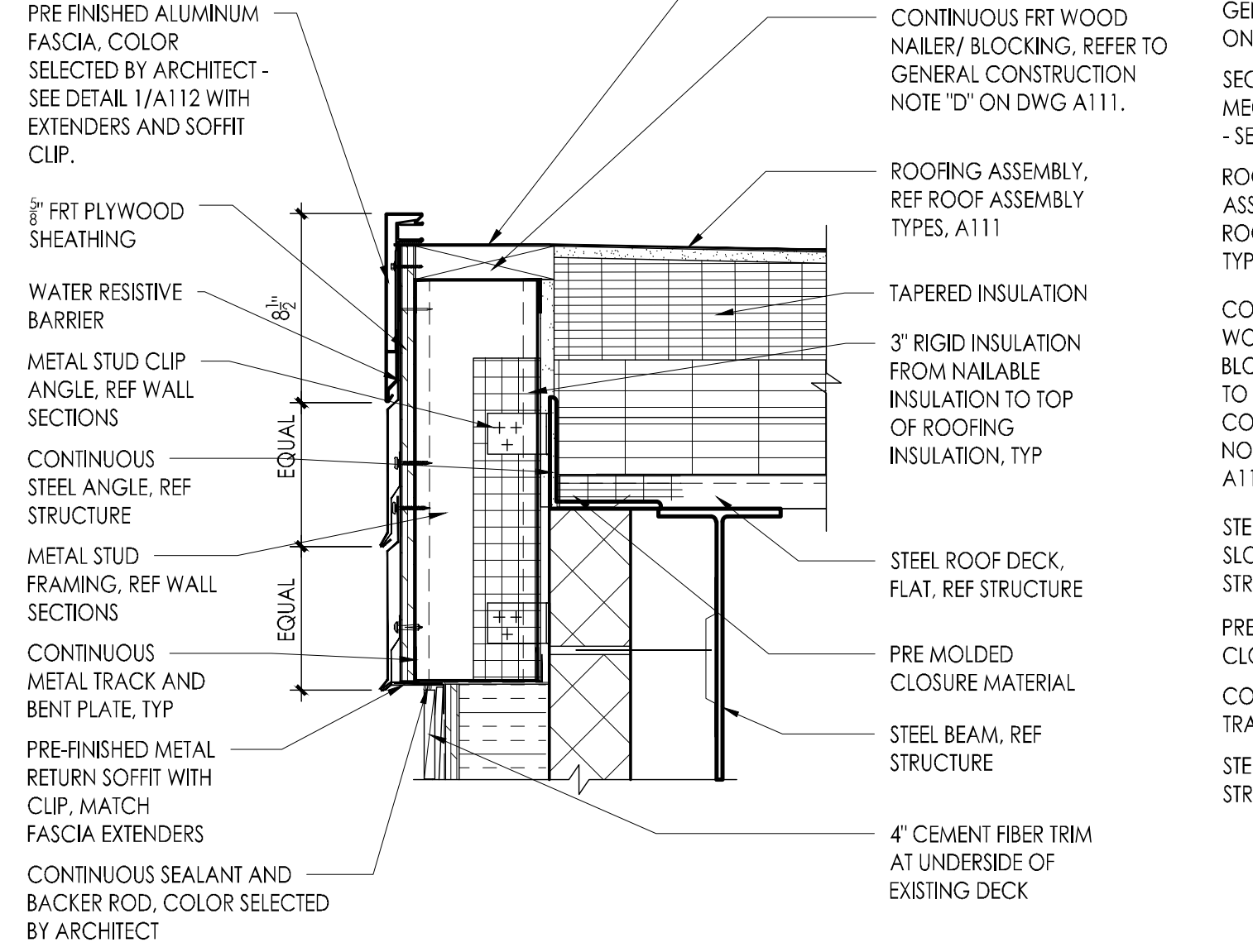

PRE FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT - SEE DETAIL 1/A112 W/ EXTENDERS AND SOFFIT CLIP.
⅝" FRT PLYWOOD SHEATHING
WATER RESISTIVE BARRIER
METAL STUD CLIP ANGLE, REF WALL SECTIONS
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL STUD FRAMING, REF WALL SECTIONS
CONTINUOUS METAL TRACK AND BENT PLATE, TYP
PRE-FINISHED METAL RETURN SOFFIT WITH CLIP, MATCH FASCIA EXTENDERS
8½"
EQUAL
EQUAL
EPDM MEMBRANE OVER WOOD NAILER FULLY-ADHERED
CONTINUOUS FRT WOOD NAILER/ BLOCKING WITH CHAMFERED EDGE, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111.
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
ROOFING SYSTEM - SEE ROOFING ASSEMBLIES ON DWG. A111
STEEL ROOF DECK, SLOPED, REF STRUCTURE
EXTENDED STEEL JOIST TOP CHORD, REF STRUCTURE
3⅝" METAL STUD FRAMING, REF WALL SECTION
RECESSED LIGHT, REF ELECTRIC
CONTINUOUS SEALANT AND BACKER ROD, MATCH SOFFIT
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH OVER ⅝" EXTERIOR GRADE GYP BOARD SHEATHING

21 RAISED METAL EDGE W/EXTENDERS @ OVERHANG SLOPED METAL ROOF DECK
1-1/2" = 1'-0"


ROOF MEMBRANE
LADDER
⅜" x 3" SST NUT AND BOLT
¾" SST STUD
½" x 6" Ø STEEL CAP
INSULATED ALUMINUM STACK JACK FLASHING WITH ROOF FLANGE SET IN ROOF CEMENT
SUPPORT POST SECURED TO ROOF DECK WITH DECK FLANGE BOLTED TO (2) 3/16" x 2" x 2" ANGLES THAT SPAN TWO DECK FLUTES
SEALANT
NEW ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111
INSULATED ALUMINUM ACCESS LADDER WITH SUPPORT BOLTED TO ROOF DECK WITH 12" SQUARE x ¼" THICK STEEL FINISH PLATE
6"
¼" x 12" x 12" STEEL PLATE
ROOF DECK
(2) 3/16" x 2" x 2" ANGLES THAT SPAN TWO DECK FLUTES

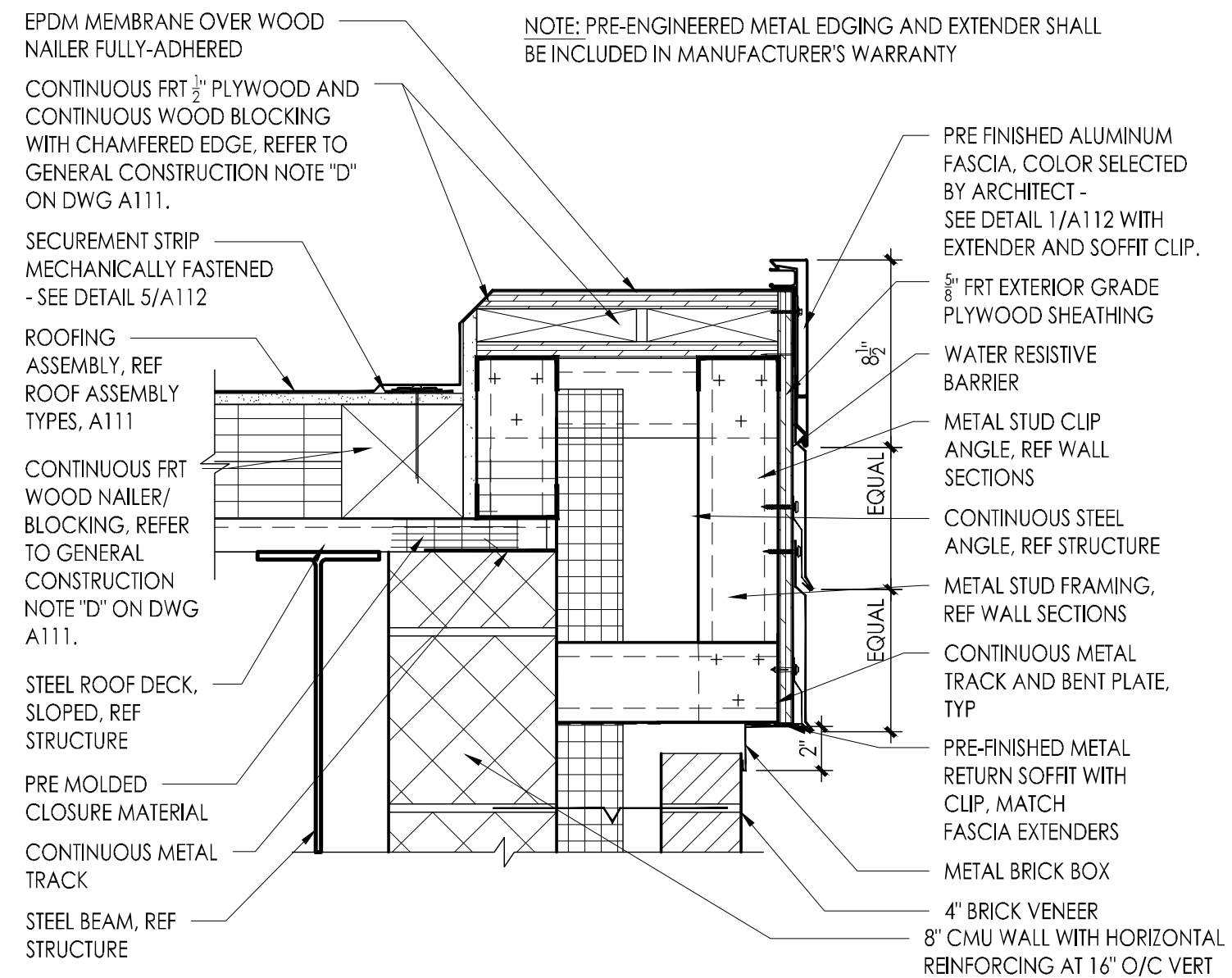
22 TYPICAL LADDER SUPPORT STANCHION
1-1/2" = 1'-0"

NOTE: PRE-ENGINEERED METAL EDGING AND EXTENDER SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY


PRE FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT - SEE DETAIL 1/A112 WITH EXTENDERS AND SOFFIT CLIP.
⅝" FRT PLYWOOD SHEATHING
WATER RESISTIVE BARRIER
METAL STUD CLIP ANGLE, REF WALL SECTIONS
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL STUD FRAMING, REF WALL SECTIONS
CONTINUOUS METAL TRACK AND BENT PLATE, TYP
PRE-FINISHED METAL RETURN SOFFIT WITH CLIP, MATCH FASCIA EXTENDERS
CONTINUOUS SEALANT AND BACKER ROD, COLOR SELECTED BY ARCHITECT
8½"
EQUAL
EQUAL
EPDM MEMBRANE OVER WOOD NAILER FULLY-ADHERED
CONTINUOUS FRT WOOD NAILER/ BLOCKING, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111.
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
TAPERED INSULATION
3" RIGID INSULATION FROM NAILABLE INSULATION TO TOP OF ROOFING INSULATION, TYP
STEEL ROOF DECK, FLAT, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
4" CEMENT FIBER TRIM AT UNDERSIDE OF EXISTING DECK

23 RAISED METAL EDGE W/ EXTENDERS FLAT METAL ROOF DECK
1-1/2" = 1'-0"

NOTE: PRE-ENGINEERED METAL EDGING AND EXTENDER SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY


EPDM MEMBRANE OVER WOOD NAILER FULLY-ADHERED
CONTINUOUS FRT ½" PLYWOOD AND CONTINUOUS WOOD BLOCKING WITH CHAMFERED EDGE, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111.
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
CONTINUOUS FRT WOOD NAILER/ BLOCKING, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111.
STEEL ROOF DECK, SLOPED, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
CONTINUOUS METAL TRACK
STEEL BEAM, REF STRUCTURE
PRE FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT - SEE DETAIL 1/A112 WITH EXTENDER AND SOFFIT CLIP.
⅝" FRT EXTERIOR GRADE PLYWOOD SHEATHING
WATER RESISTIVE BARRIER
METAL STUD CLIP ANGLE, REF WALL SECTIONS
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL STUD FRAMING, REF WALL SECTIONS
CONTINUOUS METAL TRACK AND BENT PLATE, TYP
PRE-FINISHED METAL RETURN SOFFIT WITH CLIP, MATCH FASCIA EXTENDERS
METAL BRICK BOX
4" BRICK VENEER
8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O/C VERT
8½"
EQUAL
EQUAL
2"

NOTE:
ALL MATERIALS SHOWN IN DETAILS ARE NEW UNLESS OTHERWISE INDICATED AS EXISTING, TYPICAL.

24 RAISED METAL EDGE W/ EXTENDERS SLOPED METAL ROOF DECK
1-1/2" = 1'-0"

NJDCA Electronic Release Stamp

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Architect
2/12/26
Date

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F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

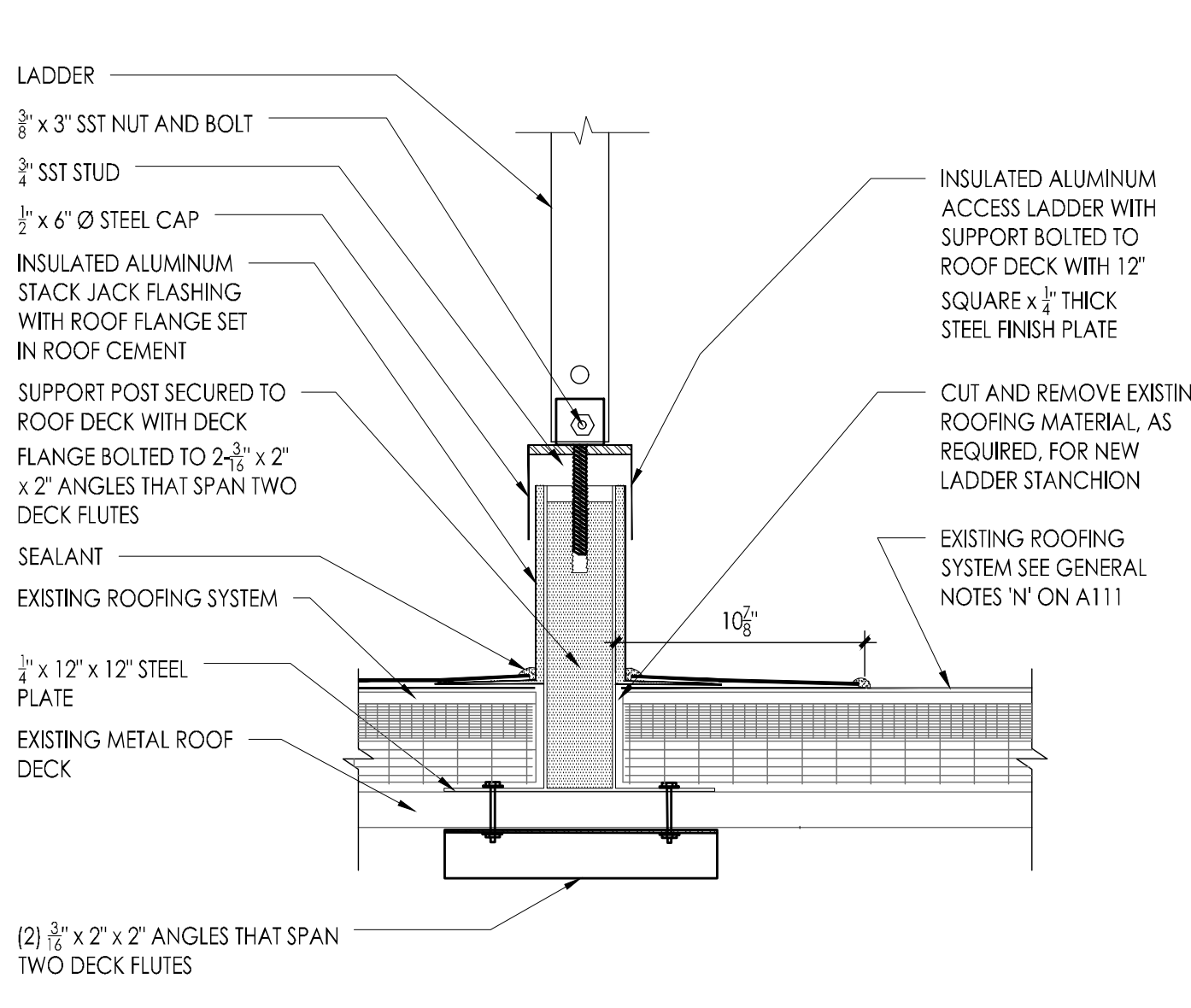
Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
ETS
Scale
AS NOTED

Drawing Name
ROOF DETAILS

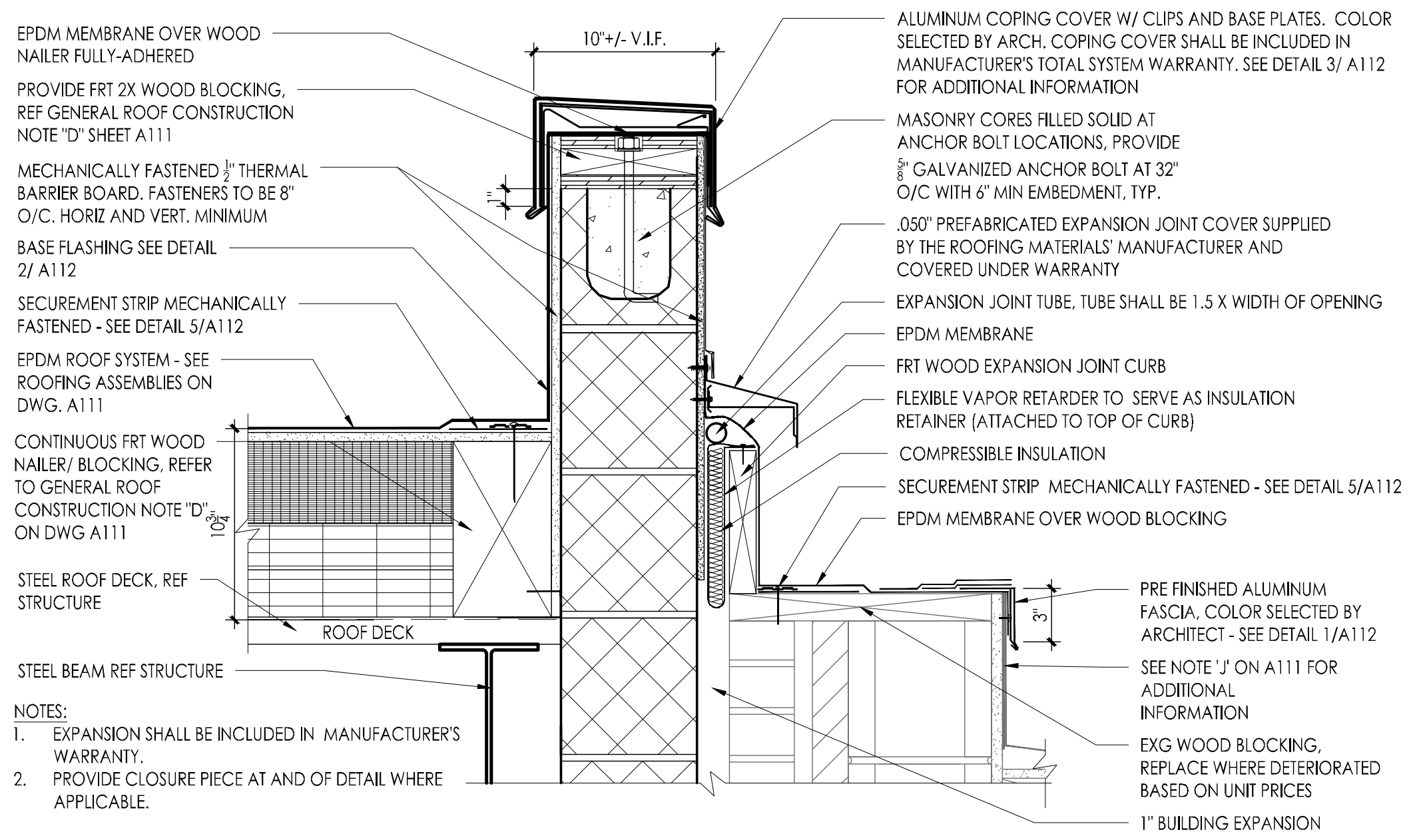
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.15.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A112


LADDER
3/8" x 3" SST NUT AND BOLT
3/4" SST STUD
1/2" x 6" Ø STEEL CAP
INSULATED ALUMINUM STACK JACK FLASHING WITH ROOF FLANGE SET IN ROOF CEMENT
SUPPORT POST SECURED TO ROOF DECK WITH DECK FLANGE BOLTED TO 2-3/16" x 2" x 2" ANGLES THAT SPAN TWO DECK FLUTES
SEALANT
EXISTING ROOFING SYSTEM
1/4" x 12" x 12" STEEL PLATE
EXISTING METAL ROOF DECK
(2) 3/16" x 2" x 2" ANGLES THAT SPAN TWO DECK FLUTES
INSULATED ALUMINUM ACCESS LADDER WITH SUPPORT BOLTED TO ROOF DECK WITH 12" SQUARE x 1/4" THICK STEEL FINISH PLATE
CUT AND REMOVE EXISTING ROOFING MATERIAL, AS REQUIRED, FOR NEW LADDER STANCHION
EXISTING ROOFING SYSTEM SEE GENERAL NOTES 'N' ON A111
10 7/8"

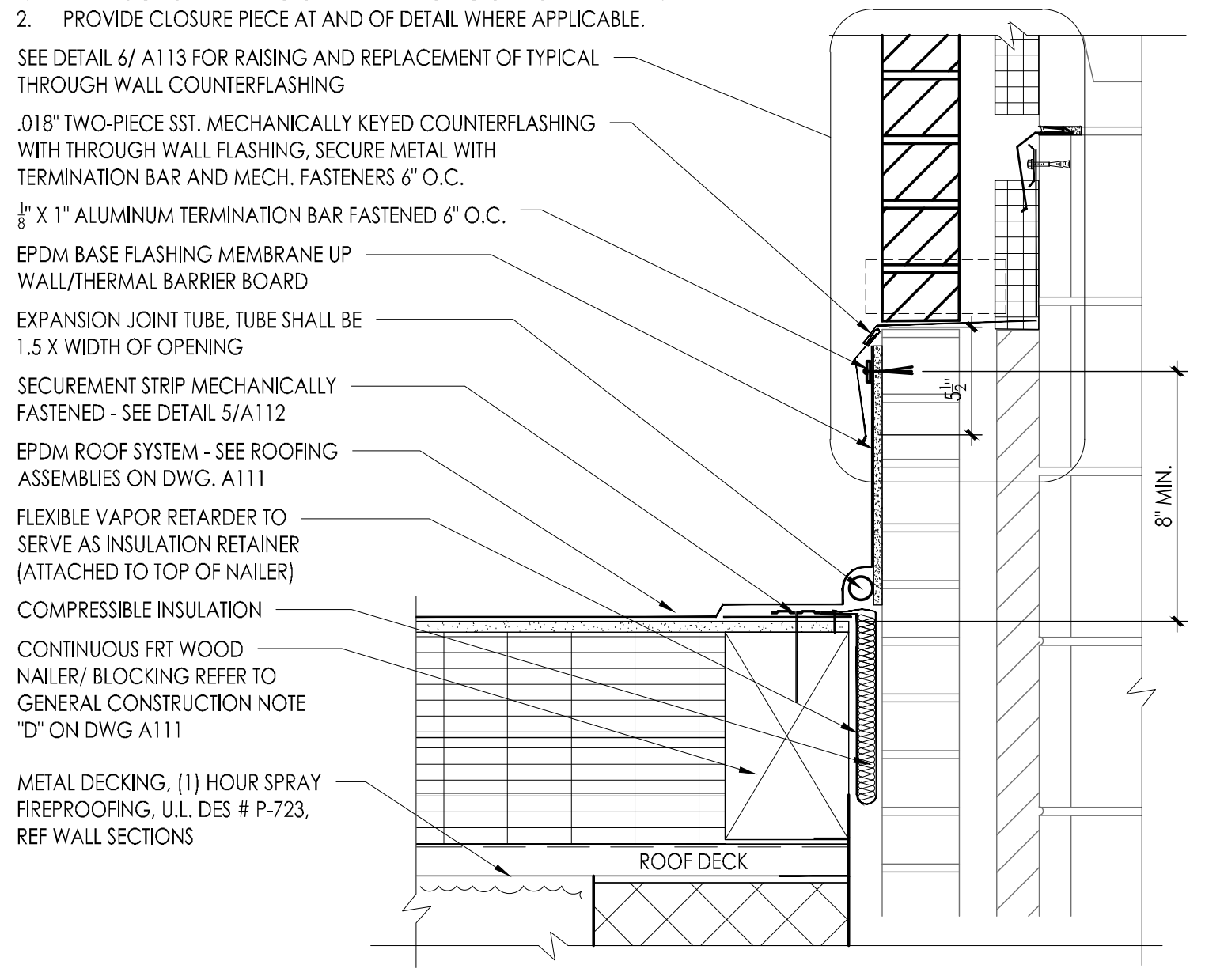
1 LADDER SUPPORT STANCHION AT EXISTING ROOF
1-1/2" = 1'-0"


EPDM MEMBRANE OVER WOOD NAILER FULLY-ADHERED
PROVIDE FRT 2X WOOD BLOCKING, REF GENERAL ROOF CONSTRUCTION NOTE "D" SHEET A111
MECHANICALLY FASTENED 1/2" THERMAL BARRIER BOARD. FASTENERS TO BE 8" O/C. HORIZ AND VERT. MINIMUM
BASE FLASHING SEE DETAIL 2/ A112
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
EPDM ROOF SYSTEM - SEE ROOFING ASSEMBLIES ON DWG. A111
CONTINUOUS FRT WOOD NAILER/ BLOCKING, REFER TO GENERAL ROOF CONSTRUCTION NOTE "D" ON DWG A111
STEEL ROOF DECK, REF STRUCTURE
ROOF DECK
STEEL BEAM REF STRUCTURE
10"+/- V.I.F.
1"
10 3/4"
3"
ALUMINUM COPING COVER W/ CLIPS AND BASE PLATES. COLOR SELECTED BY ARCH. COPING COVER SHALL BE INCLUDED IN MANUFACTURER'S TOTAL SYSTEM WARRANTY. SEE DETAIL 3/ A112 FOR ADDITIONAL INFORMATION
MASONRY CORES FILLED SOLID AT ANCHOR BOLT LOCATIONS, PROVIDE 5/8" GALVANIZED ANCHOR BOLT AT 32" O/C WITH 6" MIN EMBEDMENT, TYP.
.050" PREFABRICATED EXPANSION JOINT COVER SUPPLIED BY THE ROOFING MATERIALS' MANUFACTURER AND COVERED UNDER WARRANTY
EXPANSION JOINT TUBE, TUBE SHALL BE 1.5 X WIDTH OF OPENING
EPDM MEMBRANE
FRT WOOD EXPANSION JOINT CURB
FLEXIBLE VAPOR RETARDER TO SERVE AS INSULATION RETAINER (ATTACHED TO TOP OF CURB)
COMPRESSIBLE INSULATION
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
EPDM MEMBRANE OVER WOOD BLOCKING
PRE FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT - SEE DETAIL 1/A112
SEE NOTE 'J' ON A111 FOR ADDITIONAL INFORMATION
EXG WOOD BLOCKING, REPLACE WHERE DETERIORATED BASED ON UNIT PRICES
1" BUILDING EXPANSION

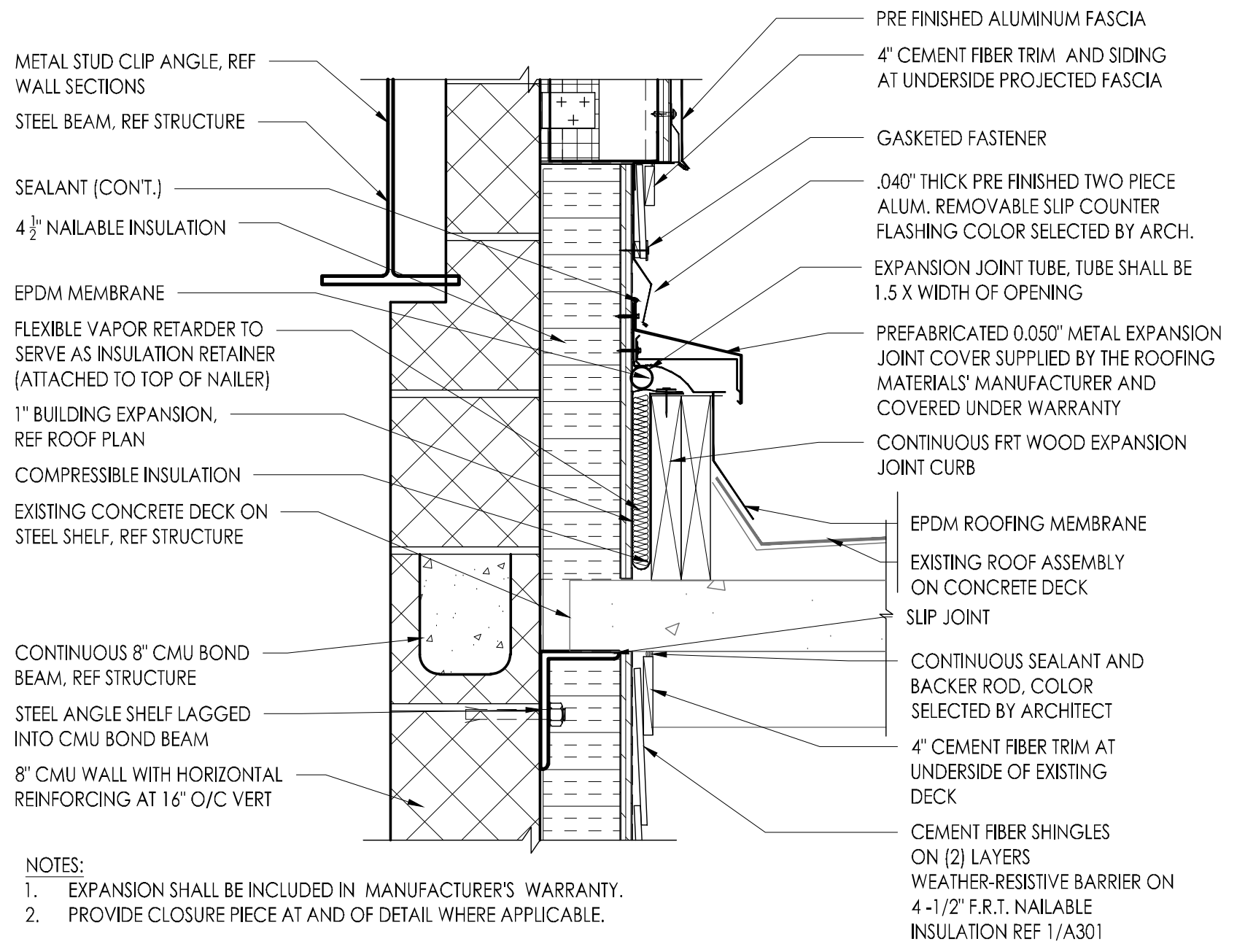
NOTES:
1. EXPANSION SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY.
2. PROVIDE CLOSURE PIECE AT AND OF DETAIL WHERE APPLICABLE.

2 PARAPET WALL W/ METAL COPING AND EXPANSION JOINT
1-1/2" = 1'-0"

NOTES:
1. EXPANSION SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY.
2. PROVIDE CLOSURE PIECE AT AND OF DETAIL WHERE APPLICABLE.

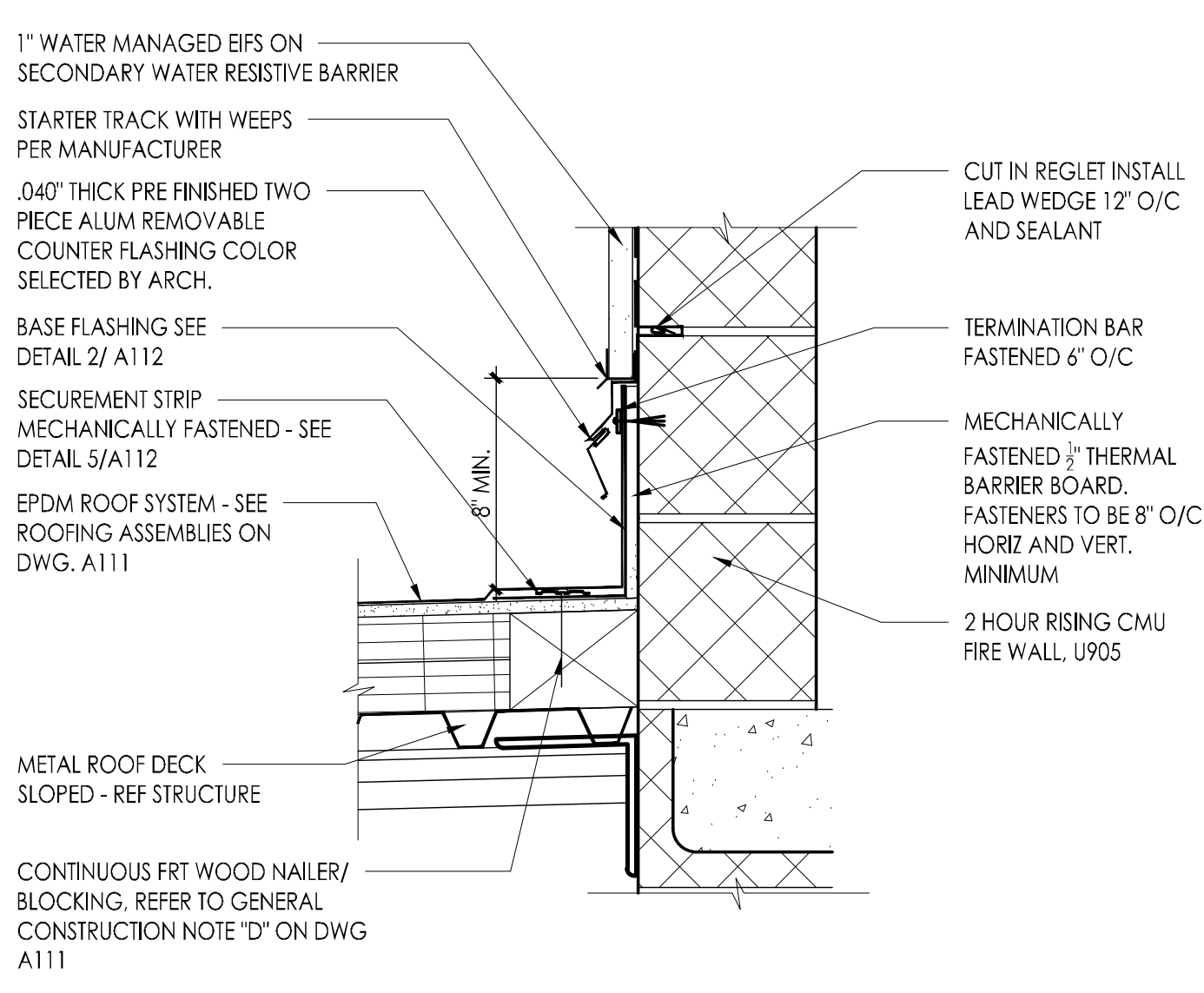

SEE DETAIL 6/ A113 FOR RAISING AND REPLACEMENT OF TYPICAL THROUGH WALL COUNTERFLASHING
.018" TWO-PIECE SST. MECHANICALLY KEYED COUNTERFLASHING WITH THROUGH WALL FLASHING, SECURE METAL WITH TERMINATION BAR AND MECH. FASTENERS 6" O.C.
1/8" X 1" ALUMINUM TERMINATION BAR FASTENED 6" O.C.
EPDM BASE FLASHING MEMBRANE UP WALL/THERMAL BARRIER BOARD
EXPANSION JOINT TUBE, TUBE SHALL BE 1.5 X WIDTH OF OPENING
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
EPDM ROOF SYSTEM - SEE ROOFING ASSEMBLIES ON DWG. A111
FLEXIBLE VAPOR RETARDER TO SERVE AS INSULATION RETAINER (ATTACHED TO TOP OF NAILER)
COMPRESSIBLE INSULATION
CONTINUOUS FRT WOOD NAILER/ BLOCKING REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
METAL DECKING, (1) HOUR SPRAY FIREPROOFING, U.L. DES # P-723, REF WALL SECTIONS
ROOF DECK
5 1/2"
8" MIN.

3 EXPANSION JOINT FLASHING @ RISING WALL
1-1/2" = 1'-0"


METAL STUD CLIP ANGLE, REF WALL SECTIONS
STEEL BEAM, REF STRUCTURE
SEALANT (CON'T.)
4 1/2" NAILABLE INSULATION
EPDM MEMBRANE
FLEXIBLE VAPOR RETARDER TO SERVE AS INSULATION RETAINER (ATTACHED TO TOP OF NAILER)
1" BUILDING EXPANSION, REF ROOF PLAN
COMPRESSIBLE INSULATION
EXISTING CONCRETE DECK ON STEEL SHELF, REF STRUCTURE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
STEEL ANGLE SHELF LAGGED INTO CMU BOND BEAM
8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O/C VERT
PRE FINISHED ALUMINUM FASCIA
4" CEMENT FIBER TRIM AND SIDING AT UNDERSIDE PROJECTED FASCIA
GASKETED FASTENER
.040" THICK PRE FINISHED TWO PIECE ALUM. REMOVABLE SLIP COUNTER FLASHING COLOR SELECTED BY ARCH.
EXPANSION JOINT TUBE, TUBE SHALL BE 1.5 X WIDTH OF OPENING
PREFABRICATED 0.050" METAL EXPANSION JOINT COVER SUPPLIED BY THE ROOFING MATERIALS' MANUFACTURER AND COVERED UNDER WARRANTY
CONTINUOUS FRT WOOD EXPANSION JOINT CURB
EPDM ROOFING MEMBRANE
EXISTING ROOF ASSEMBLY ON CONCRETE DECK
SLIP JOINT
CONTINUOUS SEALANT AND BACKER ROD, COLOR SELECTED BY ARCHITECT
4" CEMENT FIBER TRIM AT UNDERSIDE OF EXISTING DECK
CEMENT FIBER SHINGLES ON (2) LAYERS WEATHER-RESISTIVE BARRIER ON 4-1/2" F.R.T. NAILABLE INSULATION REF 1/A301
8" MIN.

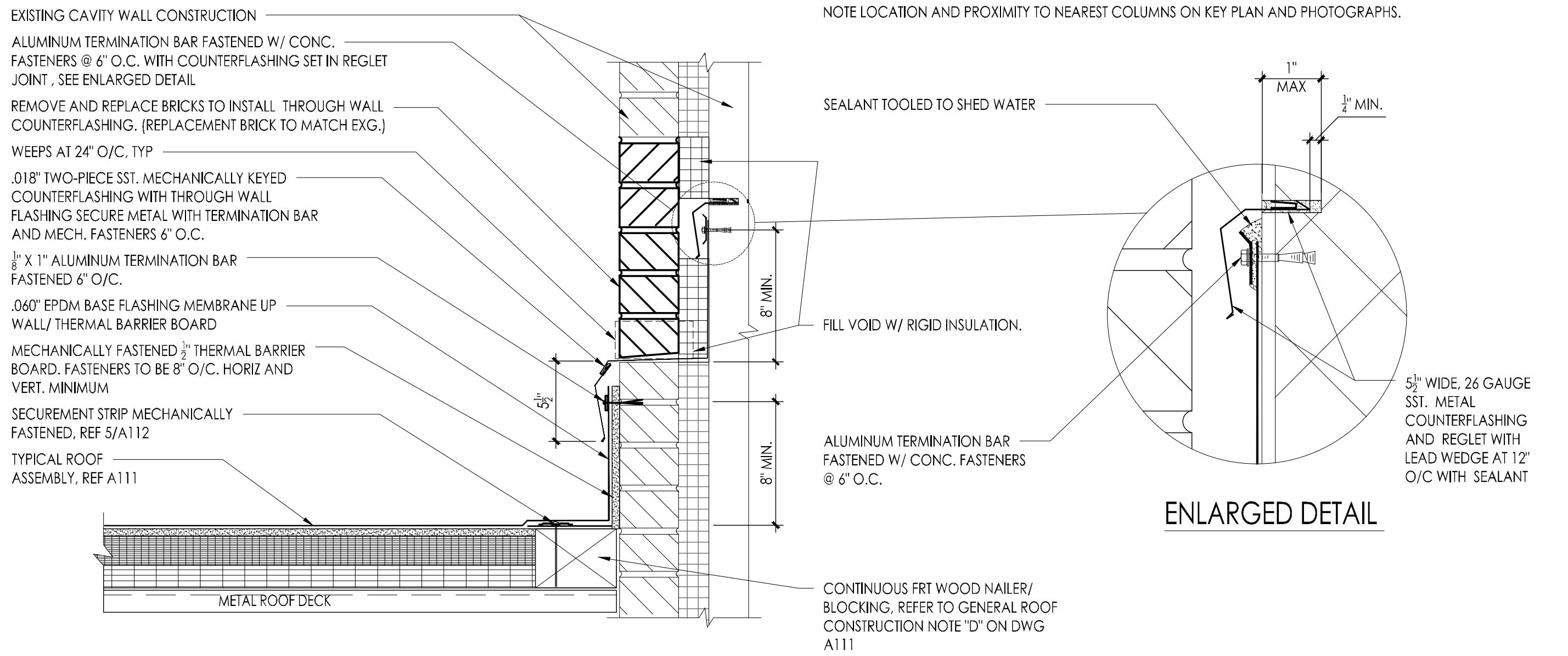
NOTES:
1. EXPANSION SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY.
2. PROVIDE CLOSURE PIECE AT AND OF DETAIL WHERE APPLICABLE.

4 EXPANSION JOINT FLASHING AT CEMENT FIBER SIDING
1-1/2" = 1'-0"


1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER
STARTER TRACK WITH WEEPS PER MANUFACTURER
.040" THICK PRE FINISHED TWO PIECE ALUM REMOVABLE COUNTER FLASHING COLOR SELECTED BY ARCH.
BASE FLASHING SEE DETAIL 2/ A112
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
EPDM ROOF SYSTEM - SEE ROOFING ASSEMBLIES ON DWG. A111
METAL ROOF DECK SLOPED - REF STRUCTURE
CONTINUOUS FRT WOOD NAILER/ BLOCKING, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
CUT IN REGLET INSTALL LEAD WEDGE 12" O/C AND SEALANT
TERMINATION BAR FASTENED 6" O/C
MECHANICALLY FASTENED 1/2" THERMAL BARRIER BOARD. FASTENERS TO BE 8" O/C HORIZ AND VERT. MINIMUM
2 HOUR RISING CMU FIRE WALL, U905
8" MIN.

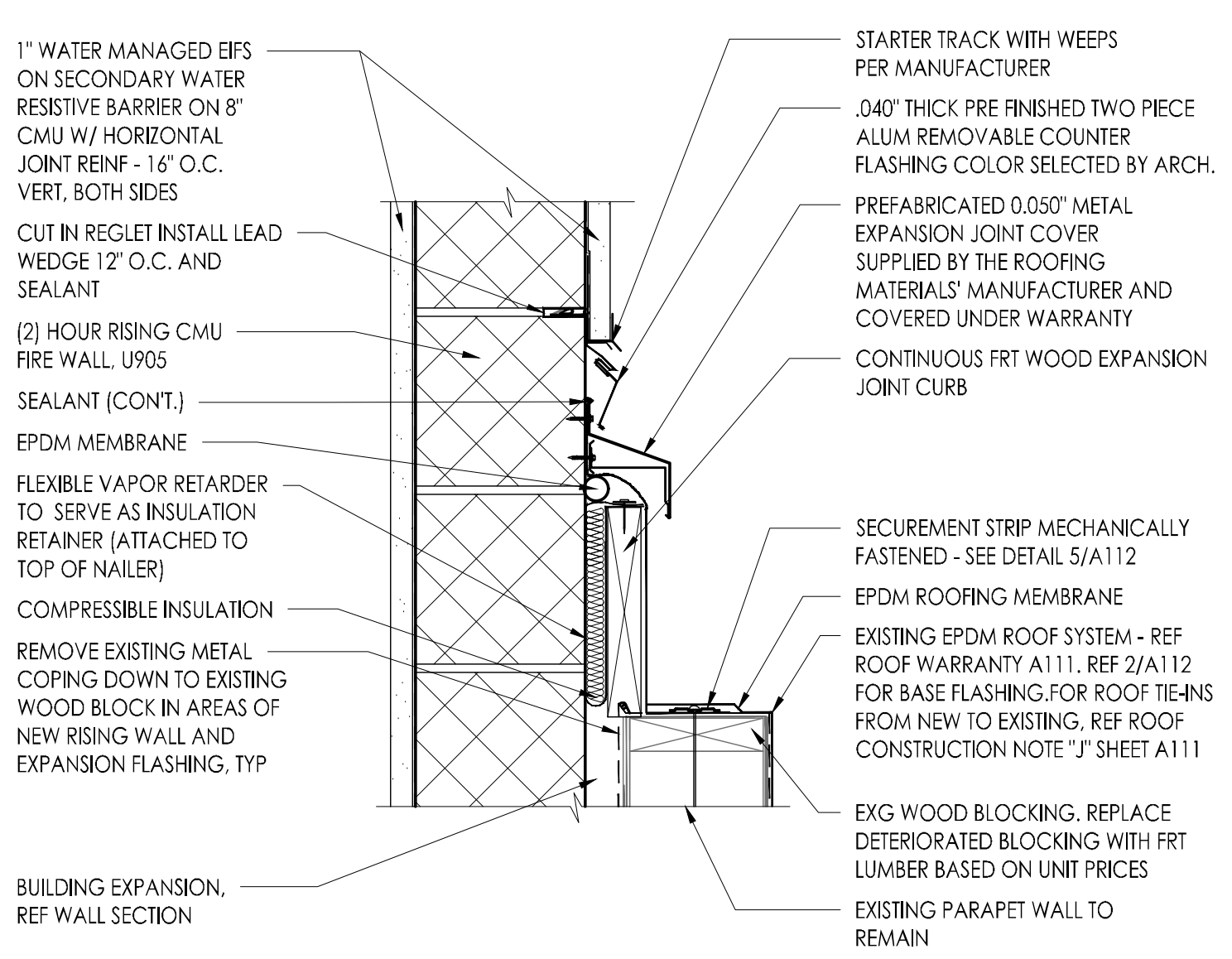
5 BASE FLASHING AT EIFS WALL
1-1/2" = 1'-0"

PRIOR TO REINSTALLING MASONRY, THE CONTRACTOR SHALL PHOTOGRAPH FLASHING INSTALLATION AND DETAILS AT LAP JOINT, COUNTERLASHING, END DAMS, INSIDE CORNERS, OUTSIDE CORNERS, COLUMNS AND OTHER CONDITIONS. NOTE LOCATION AND PROXIMITY TO NEAREST COLUMNS ON KEY PLAN AND PHOTOGRAPHS.

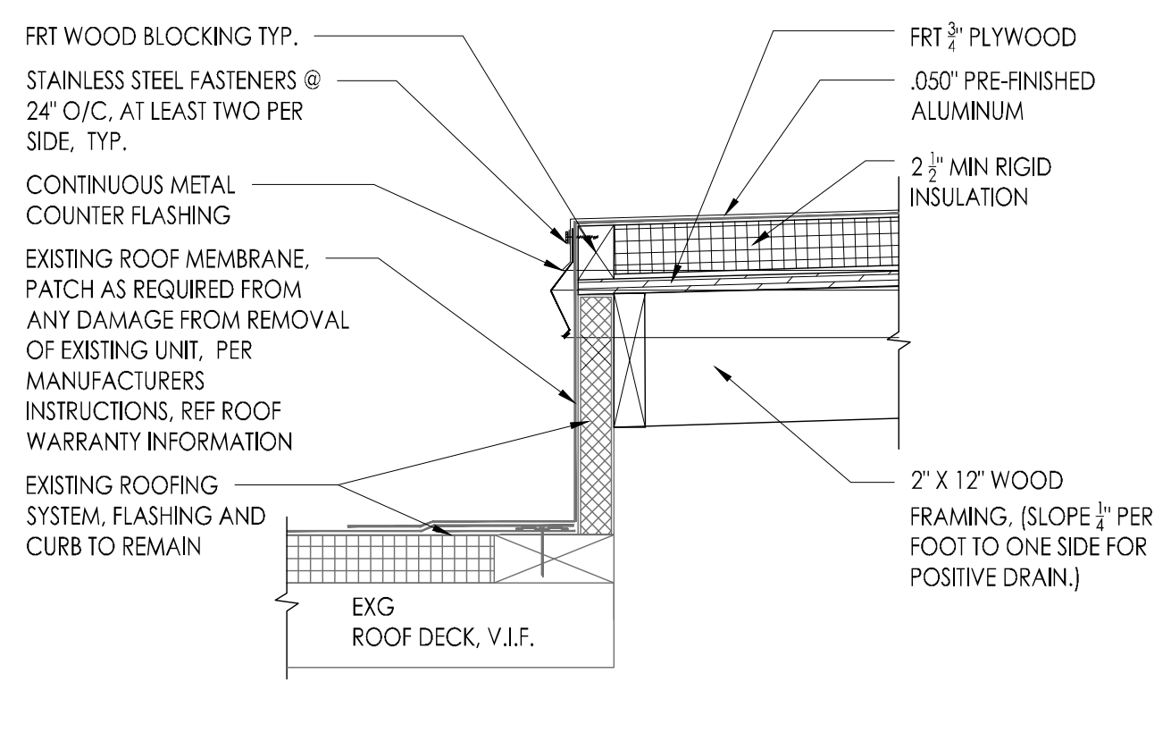

EXISTING CAVITY WALL CONSTRUCTION
ALUMINUM TERMINATION BAR FASTENED W/ CONC. FASTENERS @ 6" O.C. WITH COUNTERFLASHING SET IN REGLET JOINT , SEE ENLARGED DETAIL
REMOVE AND REPLACE BRICKS TO INSTALL THROUGH WALL COUNTERFLASHING. (REPLACEMENT BRICK TO MATCH EXG.)
WEEPS AT 24" O/C, TYP
.018" TWO-PIECE SST. MECHANICALLY KEYED COUNTERFLASHING WITH THROUGH WALL FLASHING SECURE METAL WITH TERMINATION BAR AND MECH. FASTENERS 6" O.C.
1/8" X 1" ALUMINUM TERMINATION BAR FASTENED 6" O/C.
.060" EPDM BASE FLASHING MEMBRANE UP WALL/ THERMAL BARRIER BOARD
MECHANICALLY FASTENED 1/2" THERMAL BARRIER BOARD. FASTENERS TO BE 8" O/C. HORIZ AND VERT. MINIMUM
SECUREMENT STRIP MECHANICALLY FASTENED, REF 5/A112
TYPICAL ROOF ASSEMBLY, REF A111
METAL ROOF DECK
5 1/2"
8" MIN.
8" MIN.
SEALANT TOOLED TO SHED WATER
FILL VOID W/ RIGID INSULATION.
ALUMINUM TERMINATION BAR FASTENED W/ CONC. FASTENERS @ 6" O.C.
CONTINUOUS FRT WOOD NAILER/ BLOCKING, REFER TO GENERAL ROOF CONSTRUCTION NOTE "D" ON DWG A111
1" MAX
1/4" MIN.
5 1/2" WIDE, 26 GAUGE SST. METAL COUNTERFLASHING AND REGLET WITH LEAD WEDGE AT 12" O/C WITH SEALANT
ENLARGED DETAIL

6 TYPICAL RAISING OF EXISTING THROUGH WALL COUNTERFLASHING DETAIL
1-1/2" = 1'-0"

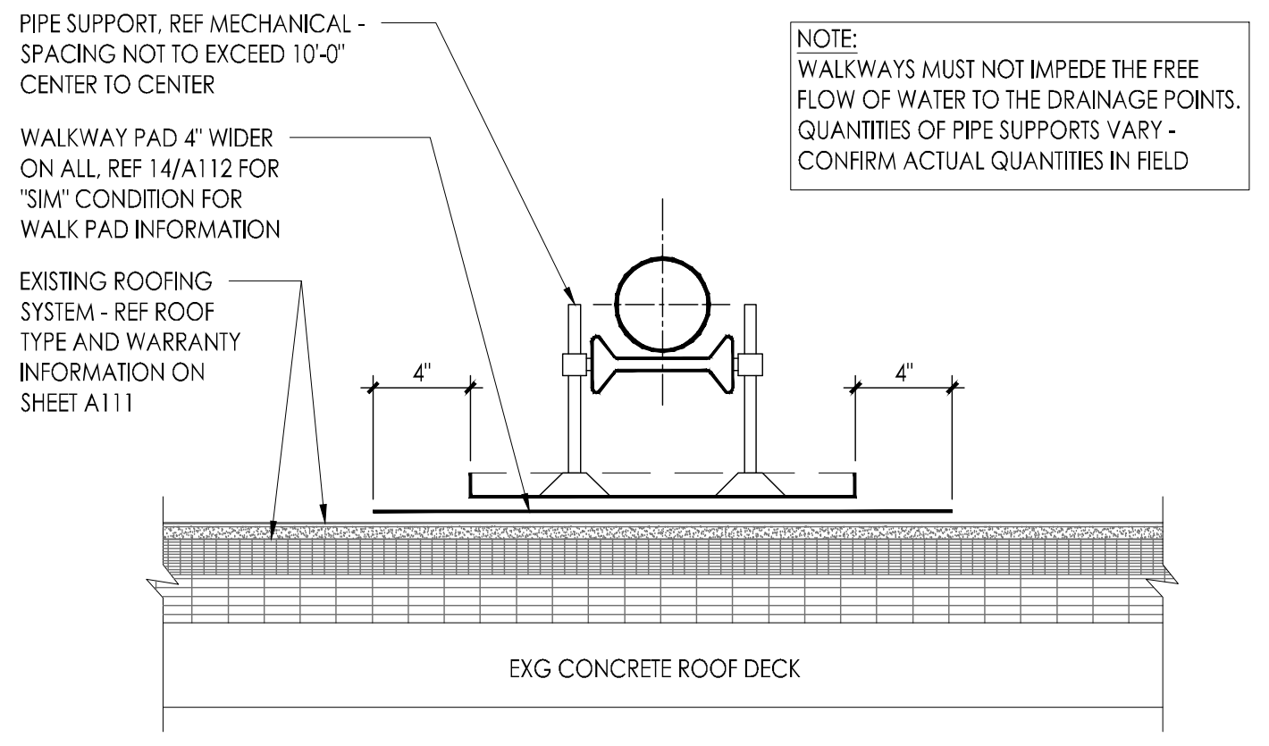
NOTE:
1. PROVIDE METAL END ENCLOSURE FOR WOOD BLOCKING.
2. TAPER WOOD EXPANSION JOINT CURB AT EACH END, WHERE APPLICABLE
3. USE ONLY MANUFACTURER'S SUPPLIED FASTENERS FOR ATTACHMENT.


1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER ON 8" CMU W/ HORIZONTAL JOINT REINF - 16" O.C. VERT, BOTH SIDES
CUT IN REGLET INSTALL LEAD WEDGE 12" O.C. AND SEALANT
(2) HOUR RISING CMU FIRE WALL, U905
SEALANT (CON'T.)
EPDM MEMBRANE
FLEXIBLE VAPOR RETARDER TO SERVE AS INSULATION RETAINER (ATTACHED TO TOP OF NAILER)
COMPRESSIBLE INSULATION
REMOVE EXISTING METAL COPING DOWN TO EXISTING WOOD BLOCK IN AREAS OF NEW RISING WALL AND EXPANSION FLASHING, TYP
BUILDING EXPANSION, REF WALL SECTION
STARTER TRACK WITH WEEPS PER MANUFACTURER
.040" THICK PRE FINISHED TWO PIECE ALUM REMOVABLE COUNTER FLASHING COLOR SELECTED BY ARCH.
PREFABRICATED 0.050" METAL EXPANSION JOINT COVER SUPPLIED BY THE ROOFING MATERIALS' MANUFACTURER AND COVERED UNDER WARRANTY
CONTINUOUS FRT WOOD EXPANSION JOINT CURB
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
EPDM ROOFING MEMBRANE
EXISTING EPDM ROOF SYSTEM - REF ROOF WARRANTY A111. REF 2/A112 FOR BASE FLASHING.FOR ROOF TIE-INS FROM NEW TO EXISTING, REF ROOF CONSTRUCTION NOTE "J" SHEET A111
EXG WOOD BLOCKING. REPLACE DETERIORATED BLOCKING WITH FRT LUMBER BASED ON UNIT PRICES
EXISTING PARAPET WALL TO REMAIN

7 EXPANSION JOINT FLASHING DETAIL
1-1/2" = 1'-0"

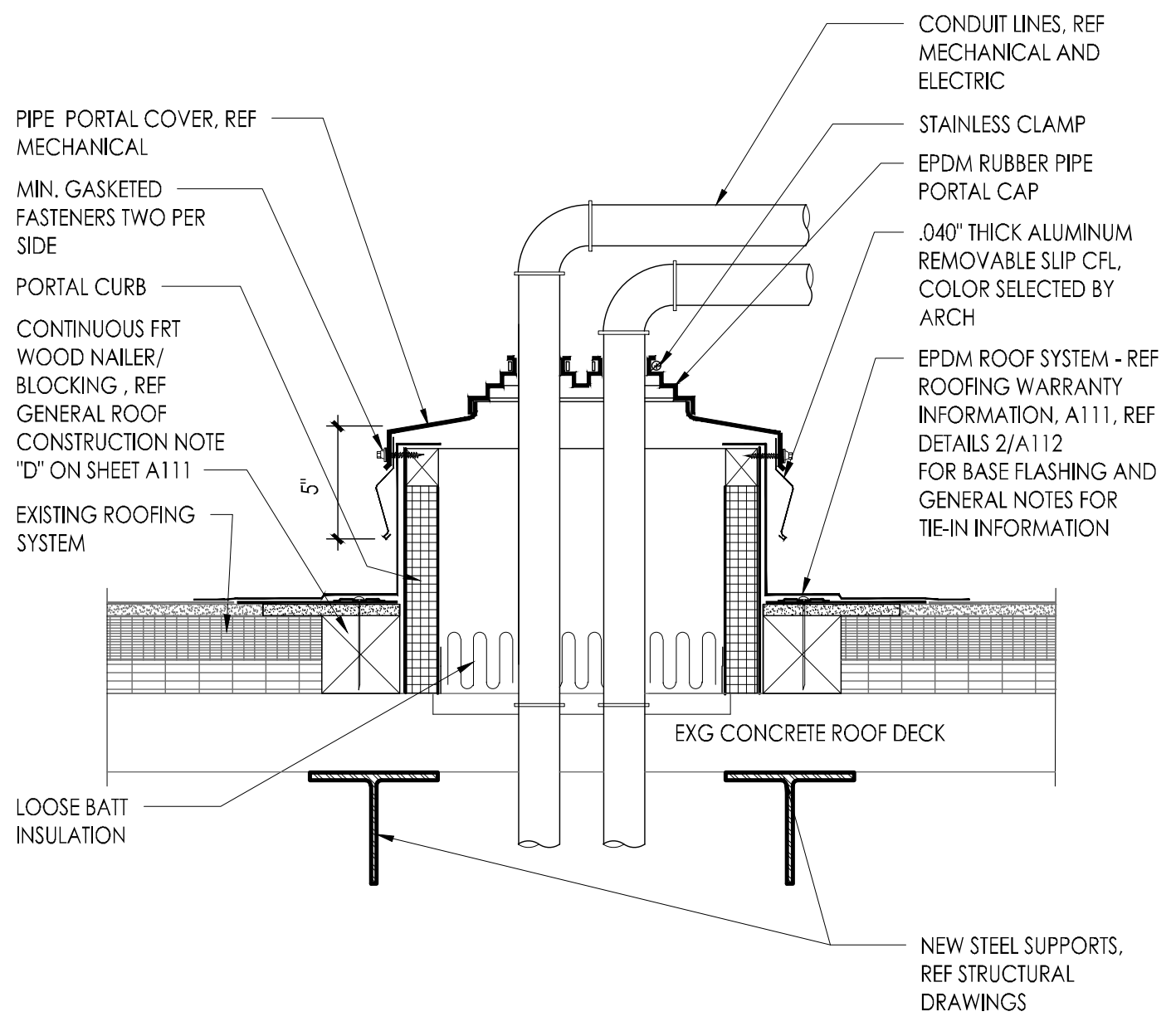

FRT WOOD BLOCKING TYP.
STAINLESS STEEL FASTENERS @ 24" O/C, AT LEAST TWO PER SIDE, TYP.
CONTINUOUS METAL COUNTER FLASHING
EXISTING ROOF MEMBRANE, PATCH AS REQUIRED FROM ANY DAMAGE FROM REMOVAL OF EXISTING UNIT, PER MANUFACTURERS INSTRUCTIONS, REF ROOF WARRANTY INFORMATION
EXISTING ROOFING SYSTEM, FLASHING AND CURB TO REMAIN
EXG ROOF DECK, V.I.F.
FRT 3/4" PLYWOOD
.050" PRE-FINISHED ALUMINUM
2 1/2" MIN RIGID INSULATION
2" X 12" WOOD FRAMING, (SLOPE 1/4" PER FOOT TO ONE SIDE FOR POSITIVE DRAIN.)

8 CAP AT EXISTING CURB
1-1/2" = 1'-0"


PIPE SUPPORT, REF MECHANICAL - SPACING NOT TO EXCEED 10'-0" CENTER TO CENTER
WALKWAY PAD 4" WIDER ON ALL, REF 14/A112 FOR "SIM" CONDITION FOR WALK PAD INFORMATION
EXISTING ROOFING SYSTEM - REF ROOF TYPE AND WARRANTY INFORMATION ON SHEET A111
4"
4"
EXG CONCRETE ROOF DECK

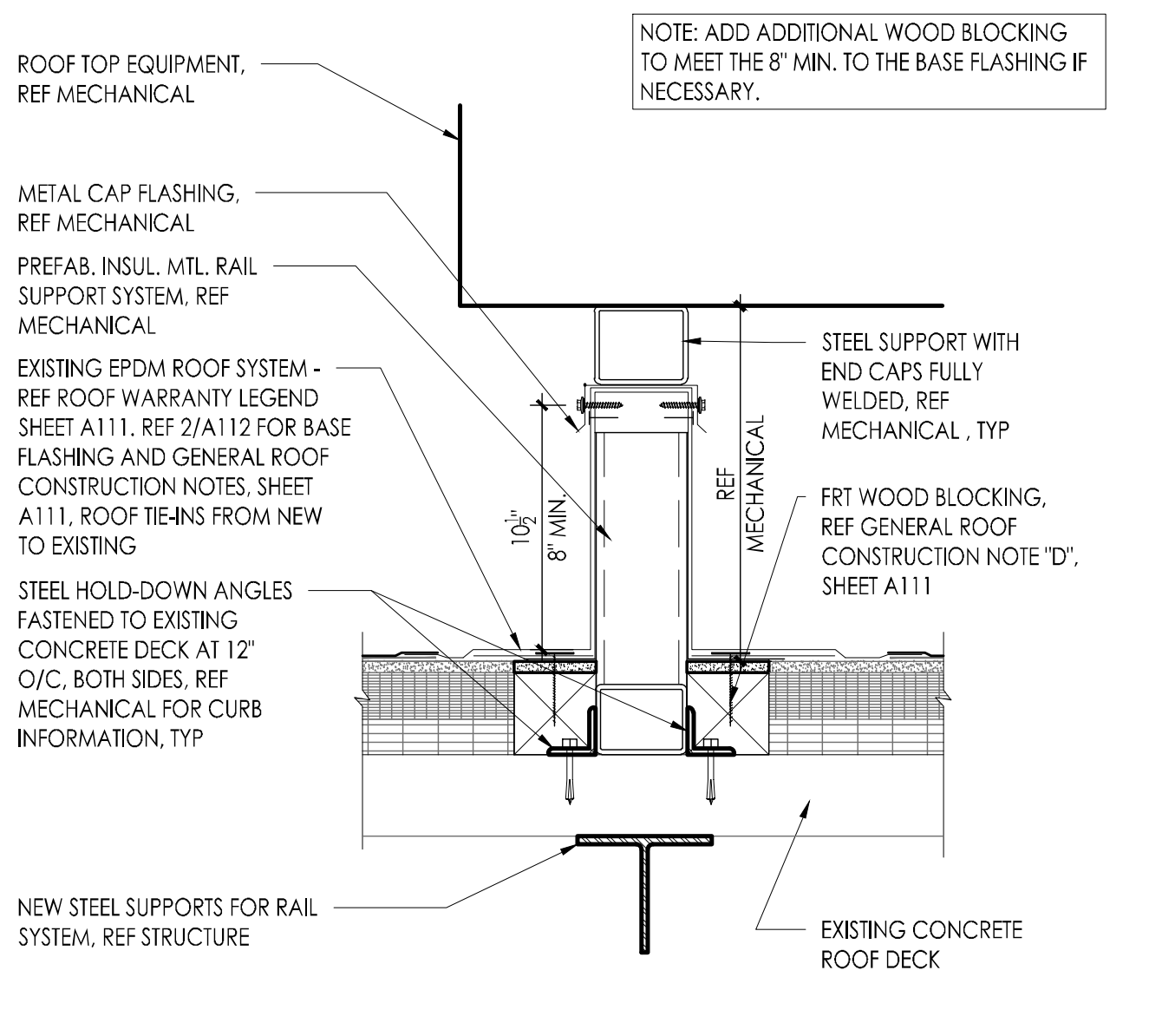
NOTE:
WALKWAYS MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS. QUANTITIES OF PIPE SUPPORTS VARY - CONFIRM ACTUAL QUANTITIES IN FIELD

9 PIPE SUPPORT DETAIL EXISTING ROOFS
1-1/2" = 1'-0"

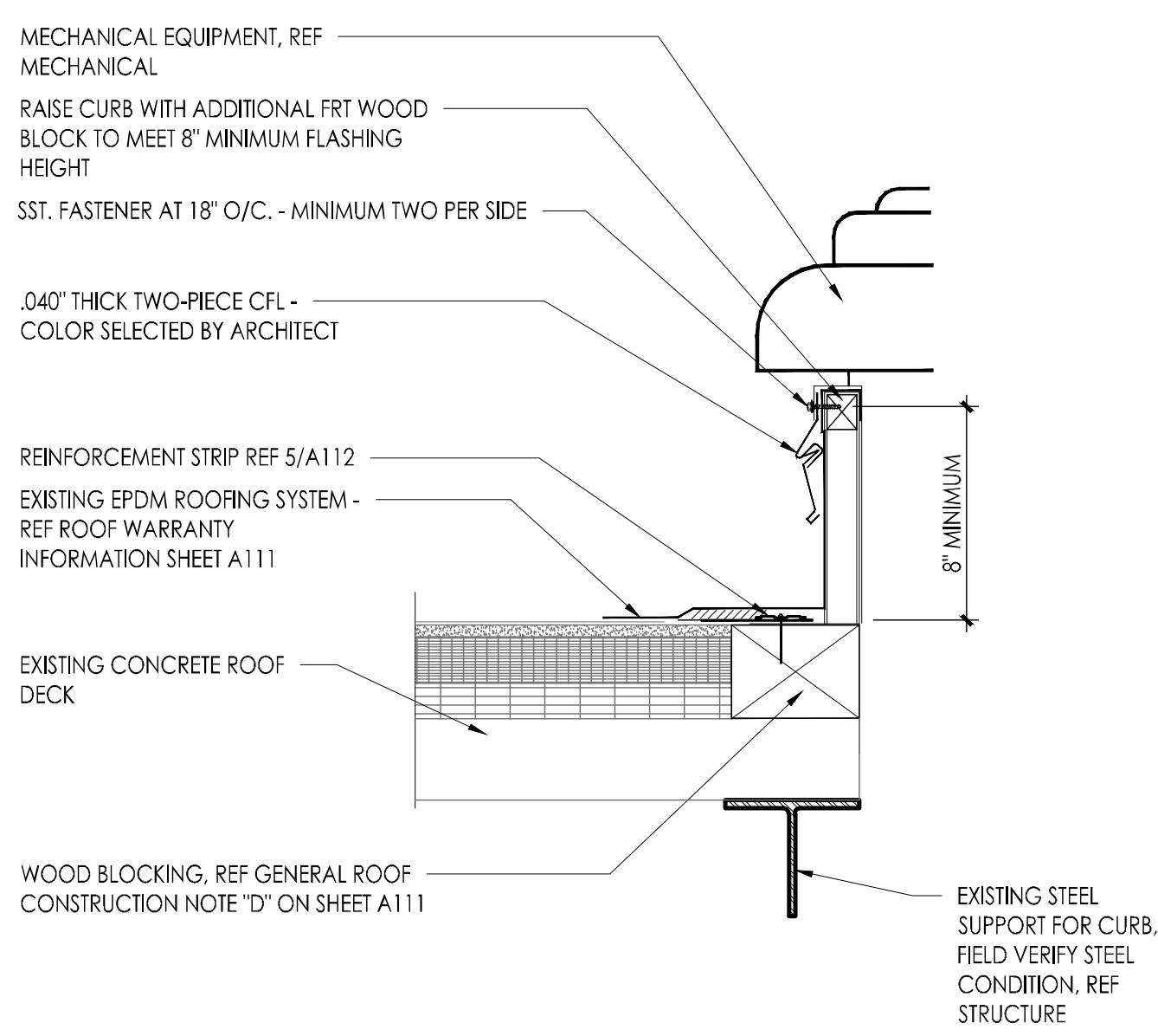

PIPE PORTAL COVER, REF MECHANICAL
MIN. GASKETED FASTENERS TWO PER SIDE
PORTAL CURB
CONTINUOUS FRT WOOD NAILER/ BLOCKING , REF GENERAL ROOF CONSTRUCTION NOTE "D" ON SHEET A111
EXISTING ROOFING SYSTEM
LOOSE BATT INSULATION
5"
CONDUIT LINES, REF MECHANICAL AND ELECTRIC
STAINLESS CLAMP
EPDM RUBBER PIPE PORTAL CAP
.040" THICK ALUMINUM REMOVABLE SLIP CFL, COLOR SELECTED BY ARCH
EPDM ROOF SYSTEM - REF ROOFING WARRANTY INFORMATION, A111, REF DETAILS 2/A112 FOR BASE FLASHING AND GENERAL NOTES FOR TIE-IN INFORMATION
EXG CONCRETE ROOF DECK
NEW STEEL SUPPORTS, REF STRUCTURAL DRAWINGS

10 PIPE CURB FLASHING (EXISTING ROOF)
1-1/2" = 1'-0"

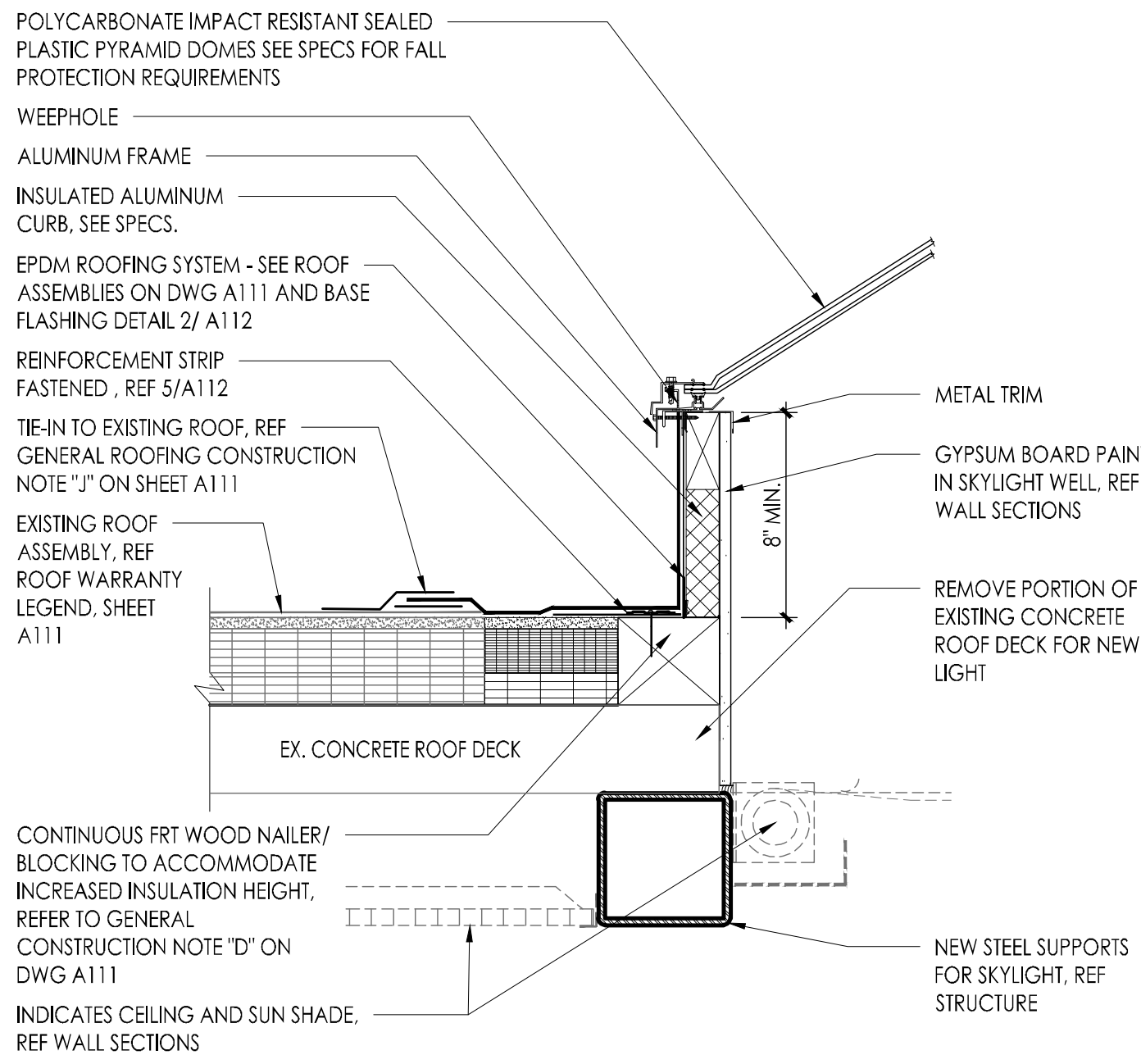
NOTE: ADD ADDITIONAL WOOD BLOCKING TO MEET THE 8" MIN. TO THE BASE FLASHING IF NECESSARY.


ROOF TOP EQUIPMENT, REF MECHANICAL
METAL CAP FLASHING, REF MECHANICAL
PREFAB. INSUL. MTL. RAIL SUPPORT SYSTEM, REF MECHANICAL
EXISTING EPDM ROOF SYSTEM - REF ROOF WARRANTY LEGEND SHEET A111. REF 2/A112 FOR BASE FLASHING AND GENERAL ROOF CONSTRUCTION NOTES, SHEET A111, ROOF TIE-INS FROM NEW TO EXISTING
STEEL HOLD-DOWN ANGLES FASTENED TO EXISTING CONCRETE DECK AT 12" O/C, BOTH SIDES, REF MECHANICAL FOR CURB INFORMATION, TYP
NEW STEEL SUPPORTS FOR RAIL SYSTEM, REF STRUCTURE
STEEL SUPPORT WITH END CAPS FULLY WELDED, REF MECHANICAL , TYP
FRT WOOD BLOCKING, REF GENERAL ROOF CONSTRUCTION NOTE "D", SHEET A111
EXISTING CONCRETE ROOF DECK
10 1/2"
8" MIN
REF MECHANICAL

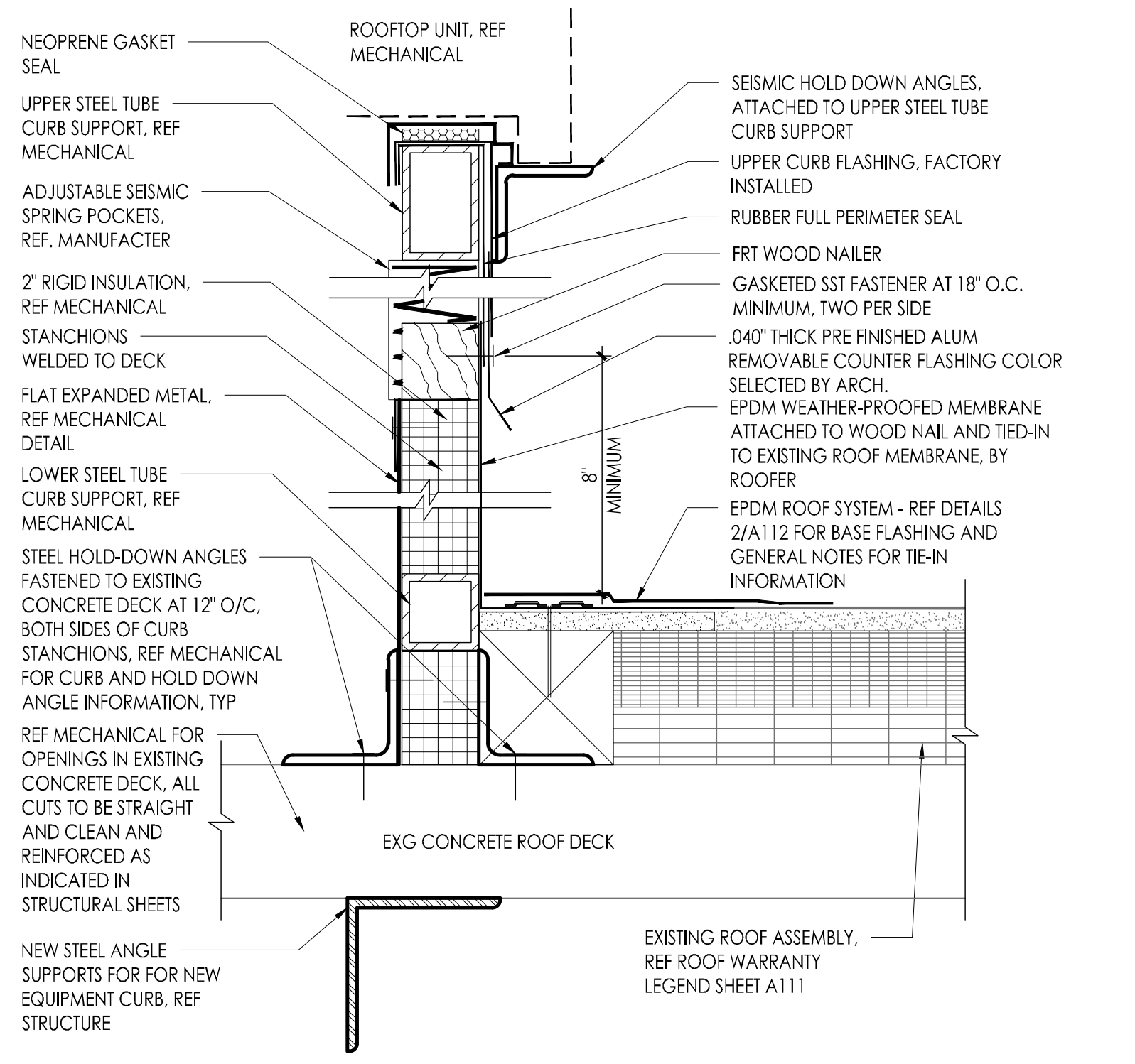
11 EQUIPMENT SUPPORT RAIL DETAIL (EX ROOF)
1-1/2" = 1'-0"


MECHANICAL EQUIPMENT, REF MECHANICAL
RAISE CURB WITH ADDITIONAL FRT WOOD BLOCK TO MEET 8" MINIMUM FLASHING HEIGHT
SST. FASTENER AT 18" O/C. - MINIMUM TWO PER SIDE
.040" THICK TWO-PIECE CFL - COLOR SELECTED BY ARCHITECT
REINFORCEMENT STRIP REF 5/A112
EXISTING EPDM ROOFING SYSTEM - REF ROOF WARRANTY INFORMATION SHEET A111
EXISTING CONCRETE ROOF DECK
WOOD BLOCKING, REF GENERAL ROOF CONSTRUCTION NOTE "D" ON SHEET A111
8" MINIMUM
EXISTING STEEL SUPPORT FOR CURB, FIELD VERIFY STEEL CONDITION, REF STRUCTURE

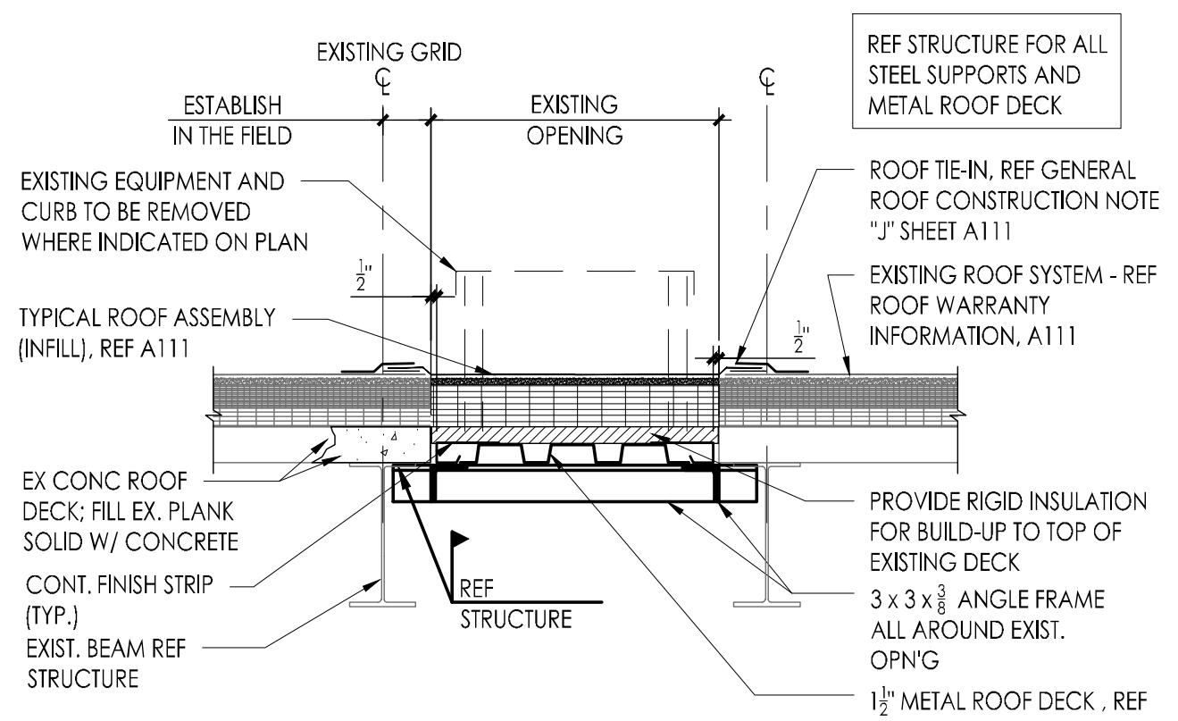
12 EQUIPMENT CURB DETAIL (EPDM)
1-1/2" = 1'-0"


POLYCARBONATE IMPACT RESISTANT SEALED PLASTIC PYRAMID DOMES SEE SPECS FOR FALL PROTECTION REQUIREMENTS
WEEPHOLE
ALUMINUM FRAME
INSULATED ALUMINUM CURB, SEE SPECS.
EPDM ROOFING SYSTEM - SEE ROOF ASSEMBLIES ON DWG A111 AND BASE FLASHING DETAIL 2/ A112
REINFORCEMENT STRIP FASTENED , REF 5/A112
TIE-IN TO EXISTING ROOF, REF GENERAL ROOFING CONSTRUCTION NOTE "J" ON SHEET A111
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY LEGEND, SHEET A111
EX. CONCRETE ROOF DECK
CONTINUOUS FRT WOOD NAILER/ BLOCKING TO ACCOMMODATE INCREASED INSULATION HEIGHT, REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
INDICATES CEILING AND SUN SHADE, REF WALL SECTIONS
METAL TRIM
GYPSUM BOARD PAINTED IN SKYLIGHT WELL, REF WALL SECTIONS
REMOVE PORTION OF EXISTING CONCRETE ROOF DECK FOR NEW SKY LIGHT
NEW STEEL SUPPORTS FOR SKYLIGHT, REF STRUCTURE
8" MIN.

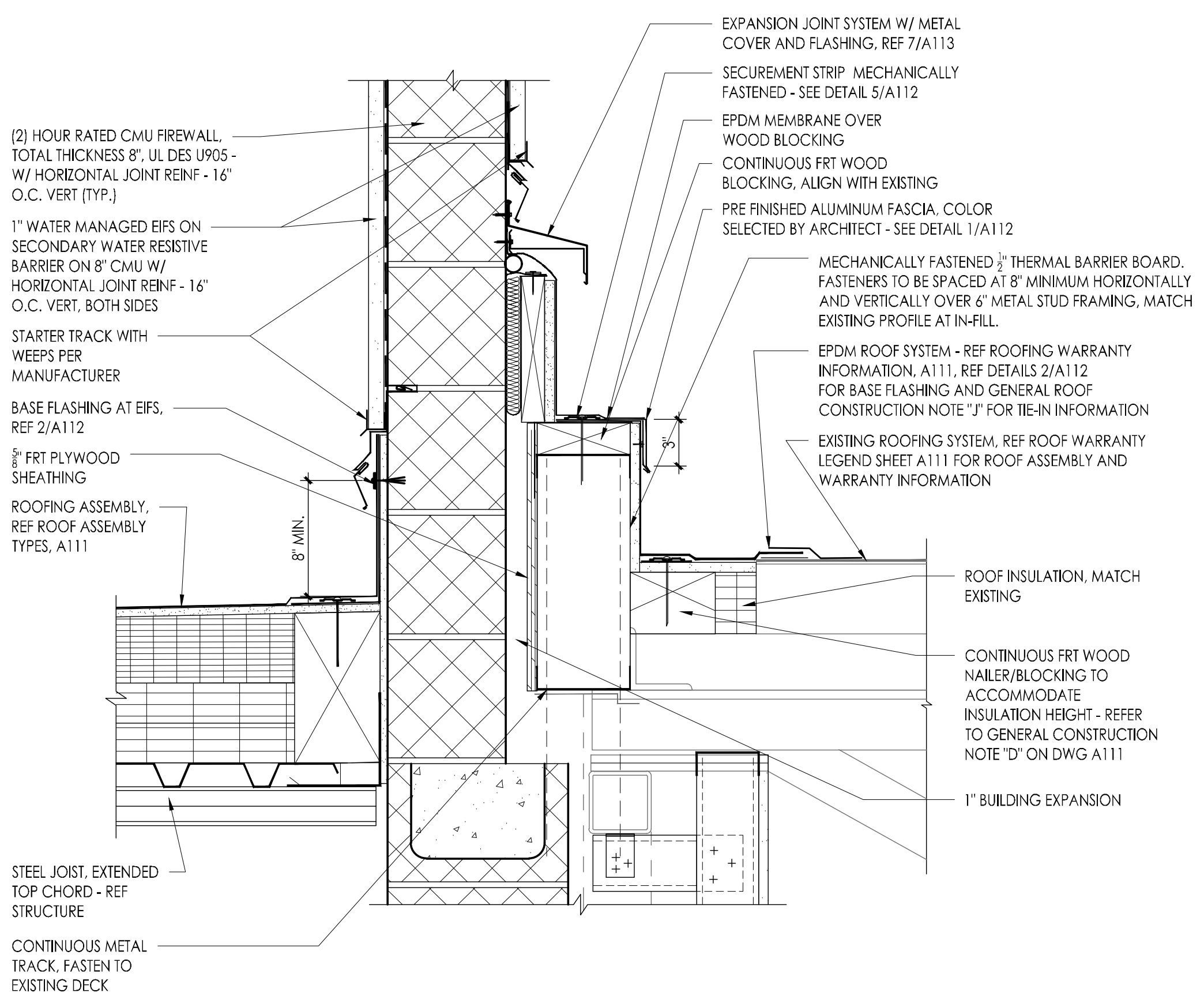
13 TYPICAL SKYLIGHT W/ CURB DETAIL
1-1/2" = 1'-0"


NEOPRENE GASKET SEAL
ROOFTOP UNIT, REF MECHANICAL
UPPER STEEL TUBE CURB SUPPORT, REF MECHANICAL
ADJUSTABLE SEISMIC SPRING POCKETS, REF. MANUFACTER
2" RIGID INSULATION, REF MECHANICAL
STANCHIONS WELDED TO DECK
FLAT EXPANDED METAL, REF MECHANICAL DETAIL
LOWER STEEL TUBE CURB SUPPORT, REF MECHANICAL
STEEL HOLD-DOWN ANGLES FASTENED TO EXISTING CONCRETE DECK AT 12" O/C, BOTH SIDES OF CURB STANCHIONS, REF MECHANICAL FOR CURB AND HOLD DOWN ANGLE INFORMATION, TYP
REF MECHANICAL FOR OPENINGS IN EXISTING CONCRETE DECK, ALL CUTS TO BE STRAIGHT AND CLEAN AND REINFORCED AS INDICATED IN STRUCTURAL SHEETS
NEW STEEL ANGLE SUPPORTS FOR FOR NEW EQUIPMENT CURB, REF STRUCTURE
SEISMIC HOLD DOWN ANGLES, ATTACHED TO UPPER STEEL TUBE CURB SUPPORT
UPPER CURB FLASHING, FACTORY INSTALLED
RUBBER FULL PERIMETER SEAL
FRT WOOD NAILER
GASKETED SST FASTENER AT 18" O.C. MINIMUM, TWO PER SIDE
.040" THICK PRE FINISHED ALUM REMOVABLE COUNTER FLASHING COLOR SELECTED BY ARCH.
EPDM WEATHER-PROOFED MEMBRANE ATTACHED TO WOOD NAIL AND TIED-IN TO EXISTING ROOF MEMBRANE, BY ROOFER
EPDM ROOF SYSTEM - REF DETAILS 2/A112 FOR BASE FLASHING AND GENERAL NOTES FOR TIE-IN INFORMATION
8" MINIMUM
EXG CONCRETE ROOF DECK
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY LEGEND SHEET A111

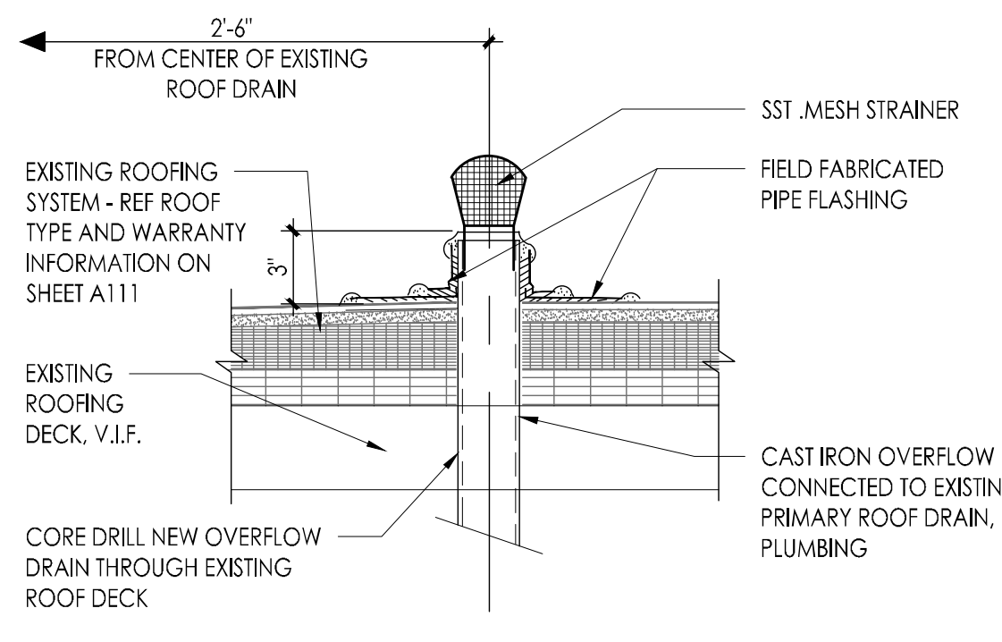
14 ROOFTOOP CURB FLASHING AT EXISTING ROOF
3" = 1'-0"


EXISTING GRID
℄
℄
ESTABLISH IN THE FIELD
EXISTING OPENING
EXISTING EQUIPMENT AND CURB TO BE REMOVED WHERE INDICATED ON PLAN
1/2"
1/2"
TYPICAL ROOF ASSEMBLY (INFILL), REF A111
EX CONC ROOF DECK; FILL EX. PLANK SOLID W/ CONCRETE
CONT. FINISH STRIP (TYP.)
EXIST. BEAM REF STRUCTURE
REF STRUCTURE
REF STRUCTURE FOR ALL STEEL SUPPORTS AND METAL ROOF DECK
ROOF TIE-IN, REF GENERAL ROOF CONSTRUCTION NOTE "J" SHEET A111
EXISTING ROOF SYSTEM - REF ROOF WARRANTY INFORMATION, A111
PROVIDE RIGID INSULATION FOR BUILD-UP TO TOP OF EXISTING DECK
3 x 3 x 3/8 ANGLE FRAME ALL AROUND EXIST. OPN'G
1 1/2" METAL ROOF DECK , REF STRUCTURE

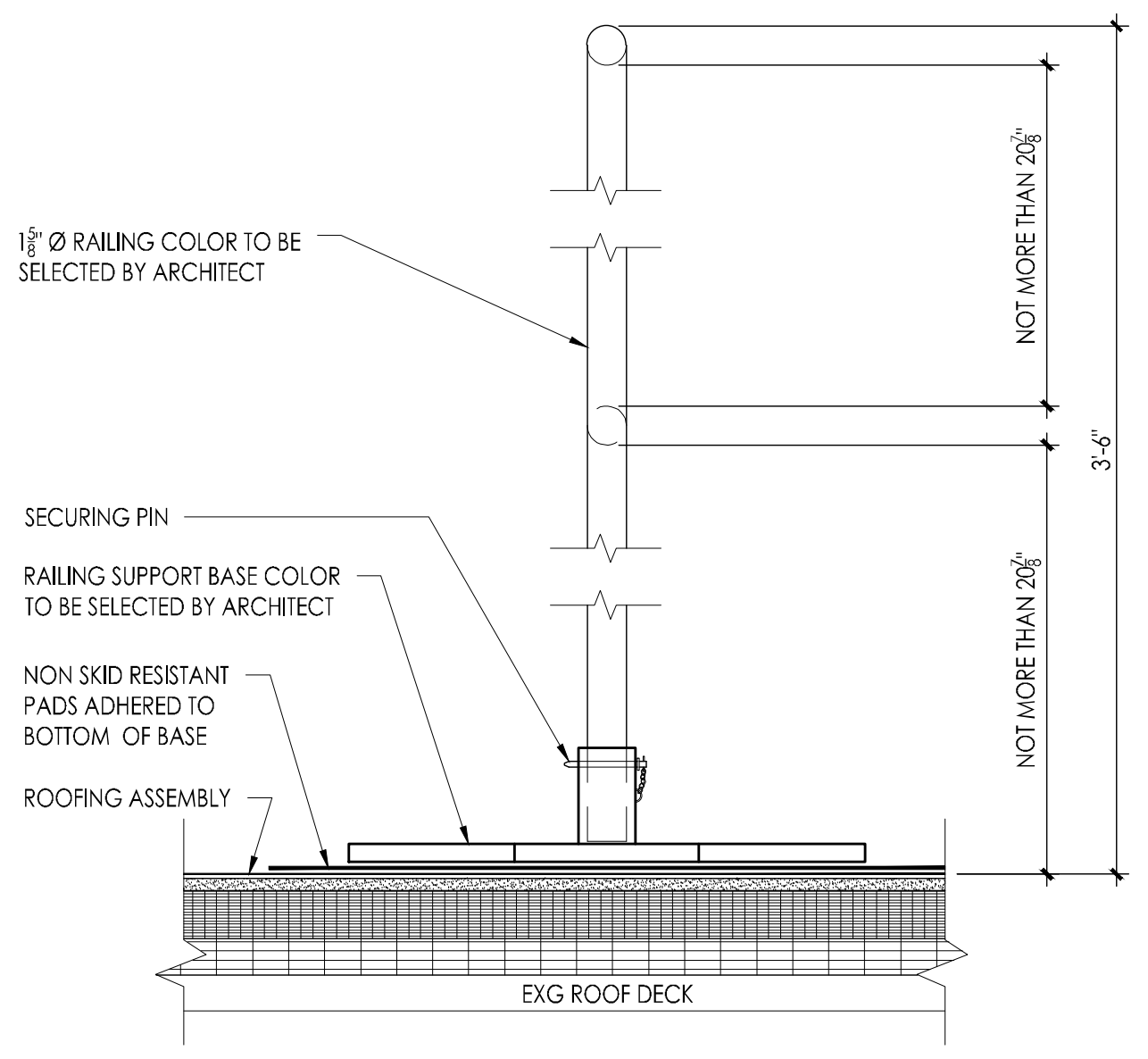
15 OPENING INFILL DETAIL AT EXISTING CONCRETE ROOF DECK
3/4"=1'-0"


(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER ON 8" CMU W/ HORIZONTAL JOINT REINF - 16" O.C. VERT, BOTH SIDES
STARTER TRACK WITH WEEPS PER MANUFACTURER
BASE FLASHING AT EIFS, REF 2/A112
5/8" FRT PLYWOOD SHEATHING
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
STEEL JOIST, EXTENDED TOP CHORD - REF STRUCTURE
CONTINUOUS METAL TRACK, FASTEN TO EXISTING DECK
8" MIN.
3"
EXPANSION JOINT SYSTEM W/ METAL COVER AND FLASHING, REF 7/A113
SECUREMENT STRIP MECHANICALLY FASTENED - SEE DETAIL 5/A112
EPDM MEMBRANE OVER WOOD BLOCKING
CONTINUOUS FRT WOOD BLOCKING, ALIGN WITH EXISTING
PRE FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT - SEE DETAIL 1/A112
MECHANICALLY FASTENED 1/2" THERMAL BARRIER BOARD. FASTENERS TO BE SPACED AT 8" MINIMUM HORIZONTALLY AND VERTICALLY OVER 6" METAL STUD FRAMING, MATCH EXISTING PROFILE AT IN-FILL.
EPDM ROOF SYSTEM - REF ROOFING WARRANTY INFORMATION, A111, REF DETAILS 2/A112 FOR BASE FLASHING AND GENERAL ROOF CONSTRUCTION NOTE "J" FOR TIE-IN INFORMATION
EXISTING ROOFING SYSTEM, REF ROOF WARRANTY LEGEND SHEET A111 FOR ROOF ASSEMBLY AND WARRANTY INFORMATION
ROOF INSULATION, MATCH EXISTING
CONTINUOUS FRT WOOD NAILER/BLOCKING TO ACCOMMODATE INSULATION HEIGHT - REFER TO GENERAL CONSTRUCTION NOTE "D" ON DWG A111
1" BUILDING EXPANSION

16 INFILL DETAIL AT EXISTING SCUPPER
1 1/2"=1'-0"

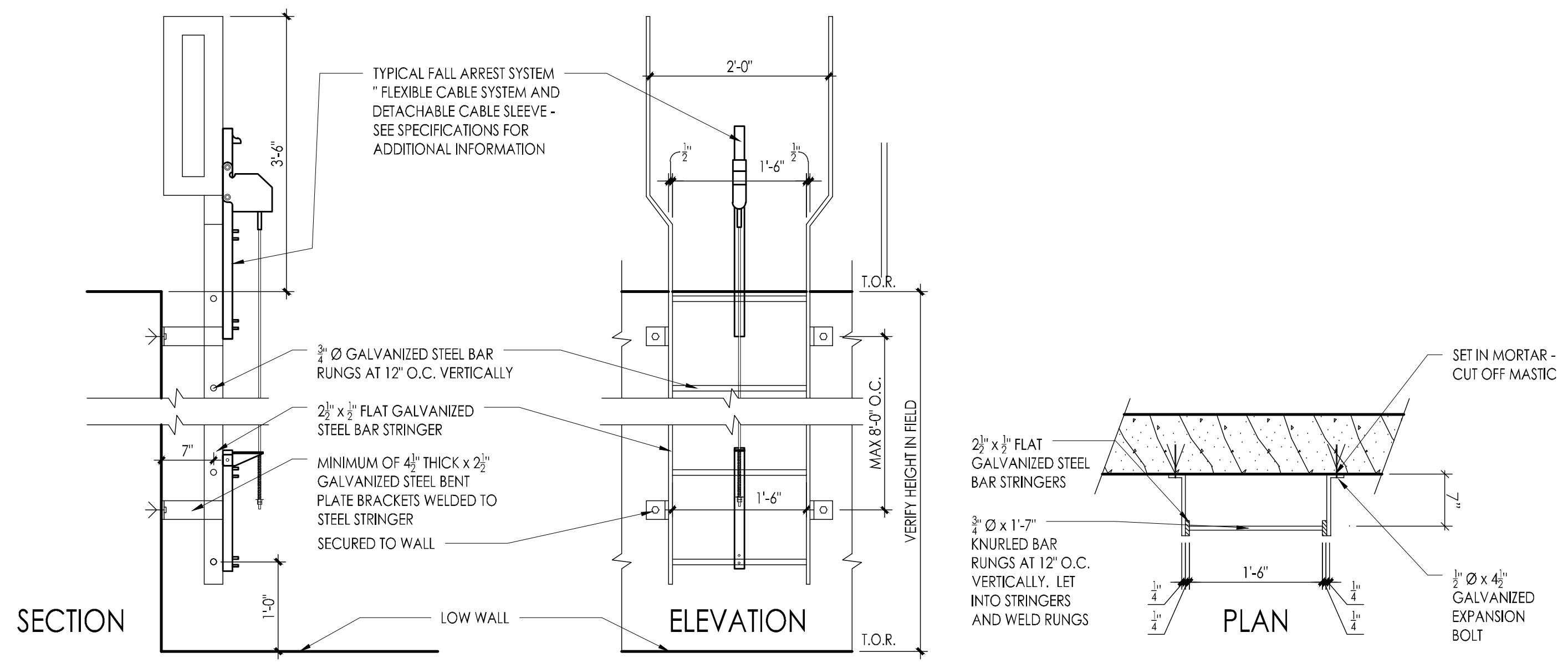

2'-6" FROM CENTER OF EXISTING ROOF DRAIN
EXISTING ROOFING SYSTEM - REF ROOF TYPE AND WARRANTY INFORMATION ON SHEET A111
EXISTING ROOFING DECK, V.I.F.
CORE DRILL NEW OVERFLOW DRAIN THROUGH EXISTING ROOF DECK
3"
SST .MESH STRAINER
FIELD FABRICATED PIPE FLASHING
CAST IRON OVERFLOW PIPE CONNECTED TO EXISTING PRIMARY ROOF DRAIN, REF PLUMBING

17 OVERFLOW DRAINL DETAIL @ EX ROOF
1-1/2" = 1'-0"


1 5/8" Ø RAILING COLOR TO BE SELECTED BY ARCHITECT
SECURING PIN
RAILING SUPPORT BASE COLOR TO BE SELECTED BY ARCHITECT
NON SKID RESISTANT PADS ADHERED TO BOTTOM OF BASE
ROOFING ASSEMBLY
EXG ROOF DECK
NOT MORE THAN 20 7/8"
NOT MORE THAN 20 7/8"
3'-6"

18 ROOF RAILING DETAIL
1-1/2" = 1'-0"

NOTE: VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT BEFORE INSTALLING.


TYPICAL FALL ARREST SYSTEM " FLEXIBLE CABLE SYSTEM AND DETACHABLE CABLE SLEEVE - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
3'-6"
3/4" Ø GALVANIZED STEEL BAR RUNGS AT 12" O.C. VERTICALLY
2 1/2" x 1/2" FLAT GALVANIZED STEEL BAR STRINGER
7"
MINIMUM OF 4 1/2" THICK x 2 1/2" GALVANIZED STEEL BENT PLATE BRACKETS WELDED TO STEEL STRINGER
SECURED TO WALL
1'-0"
LOW WALL
SECTION
2'-0"
1/2"
1'-6"
1/2"
1'-6"
T.O.R.
MAX 8'-0" O.C.
VERIFY HEIGHT IN FIELD
T.O.R.
ELEVATION
SET IN MORTAR - CUT OFF MASTIC
2 1/2" x 1/2" FLAT GALVANIZED STEEL BAR STRINGERS
3/4" Ø x 1'-7" KNURLED BAR RUNGS AT 12" O.C. VERTICALLY. LET INTO STRINGERS AND WELD RUNGS
7"
1'-6"
1/4"
1/4"
1/4"
1/4"
1/2" Ø x 4 1/2" GALVANIZED EXPANSION BOLT
PLAN

19 TYPICAL ROOF ACCESS LADDER
N.T.S.

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

WILLIAM D. HOPKINS III, AIA, LEED AP
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Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

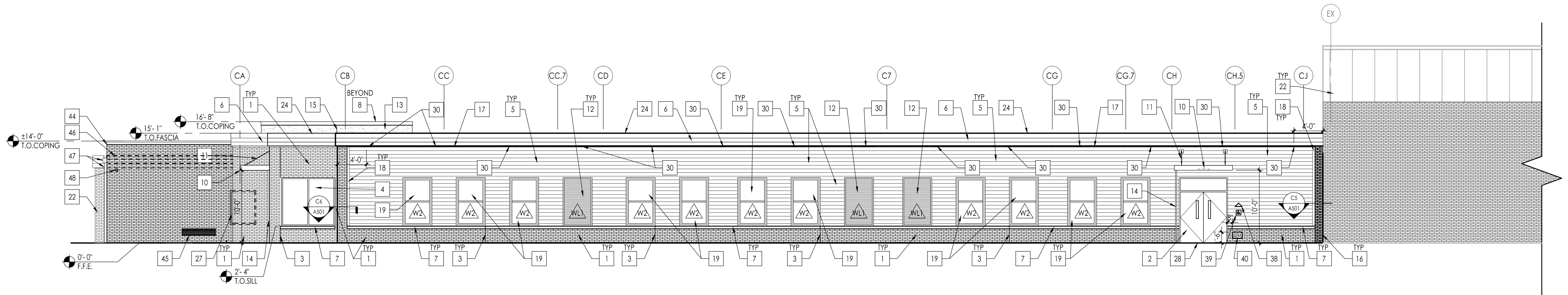
Project Number	5516D
Project Date	10.10.2025
Checked By	WDH
Drawn By	BO
Scale	AS NOTED

Drawing Name
ROOF DETAILS

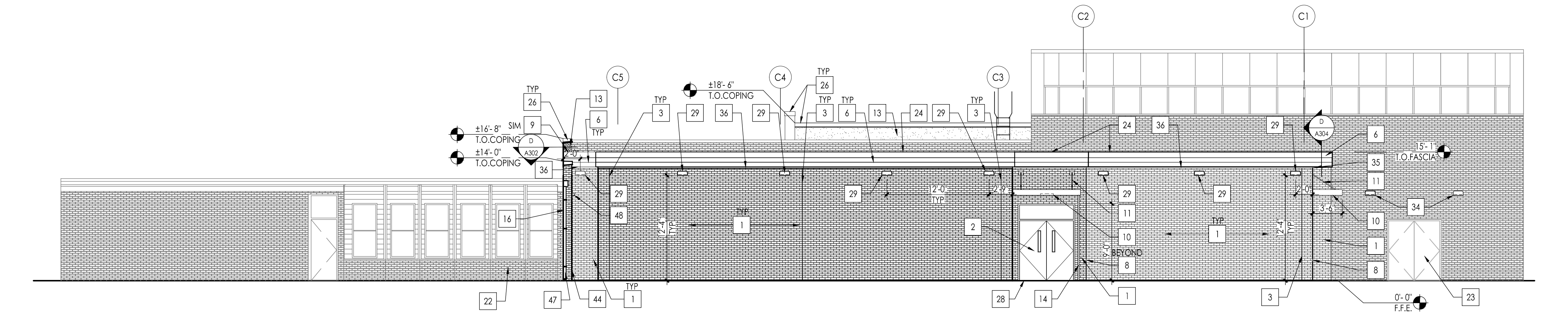
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

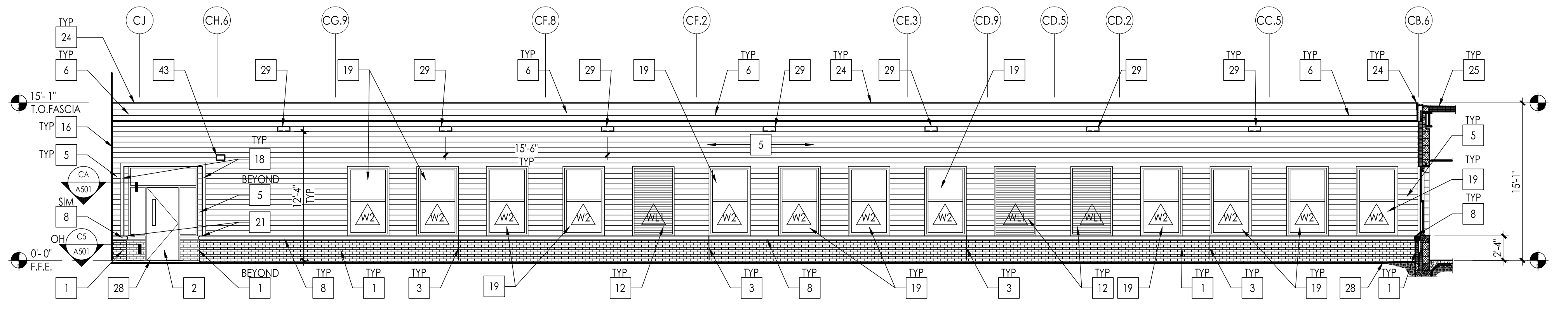
Drawing Number
A113



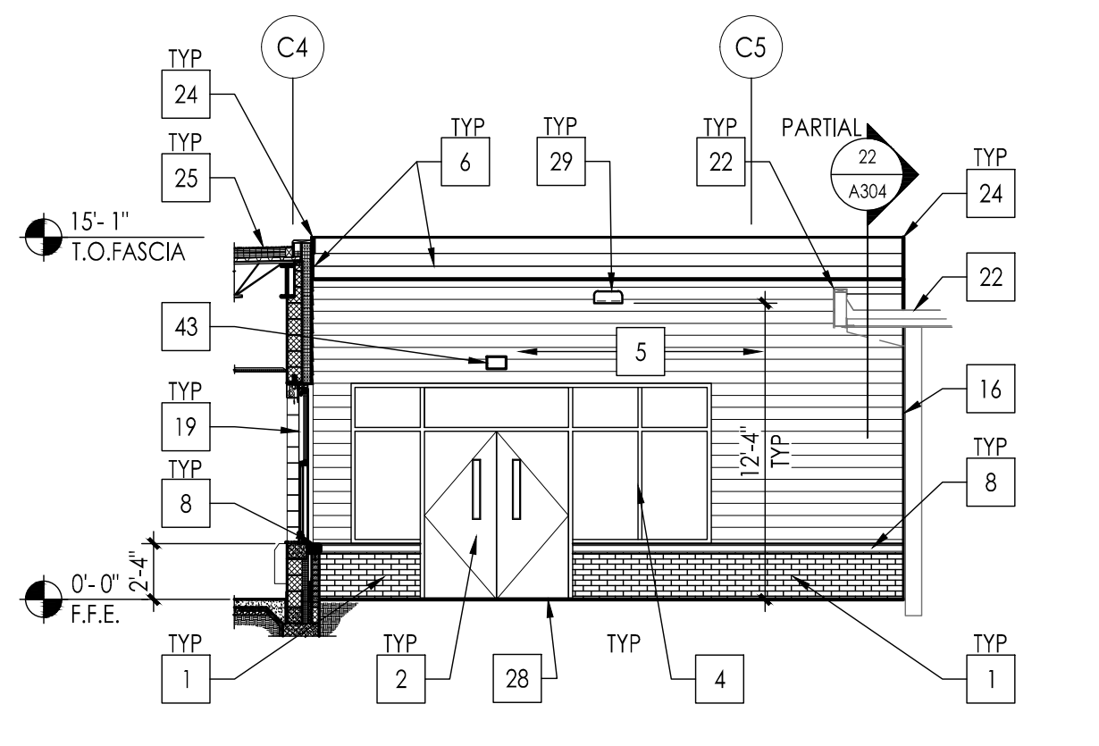
1 NEW CLASSROOMS ELEVATION
1/8"=1'-0"



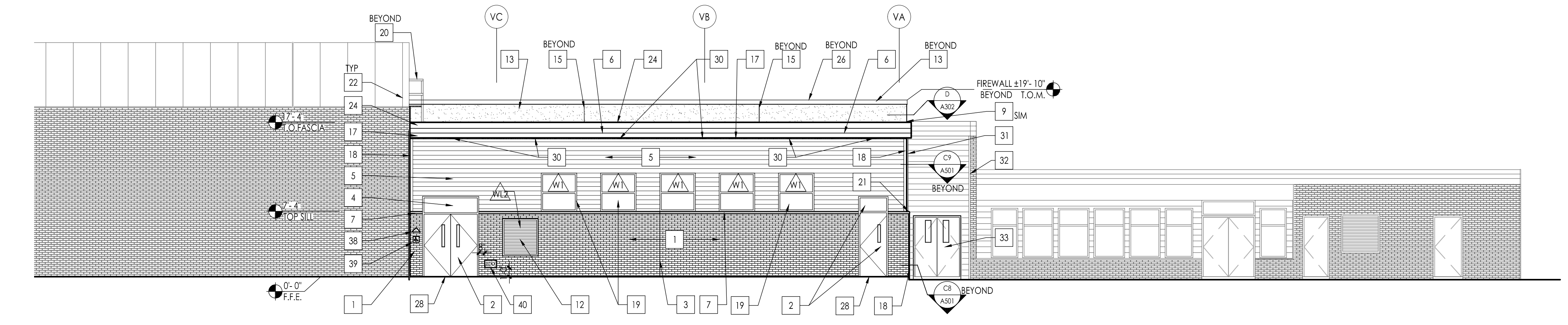
2 NEW CLASSROOMS SIDE ELEVATION
1/8" = 1'-0"



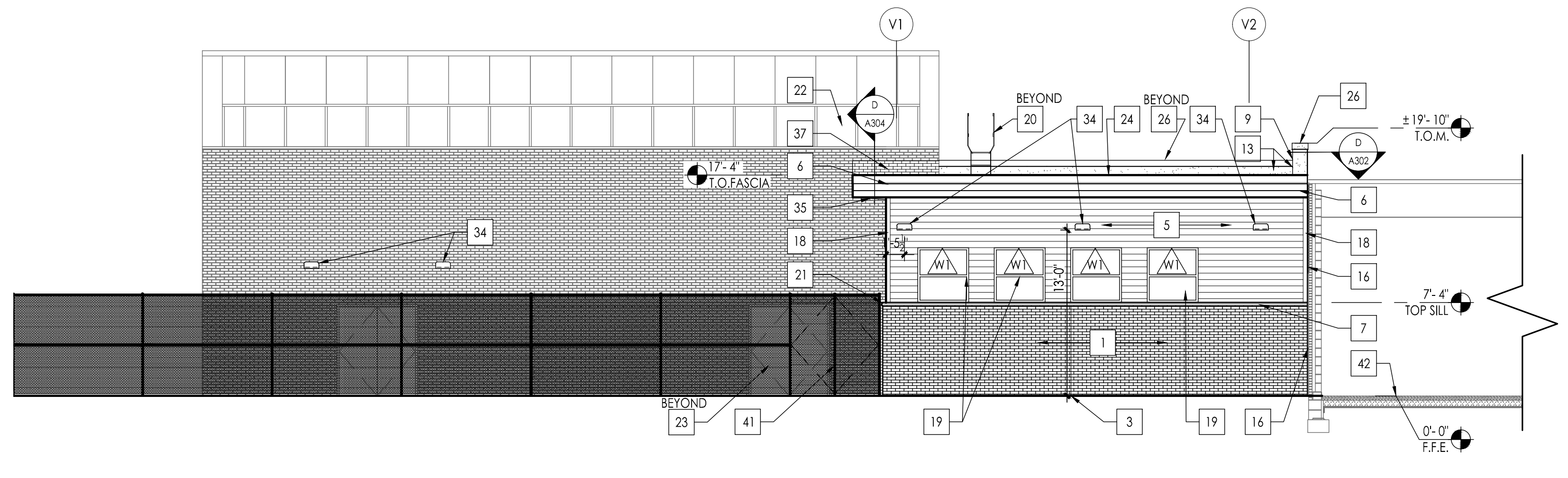
3 NEW CLASSROOMS COURTYARD ELEVATION
1/8" = 1'-0"



4 NEW CLASSROOM COURTYARD ELEVATION
1/8" = 1-0"



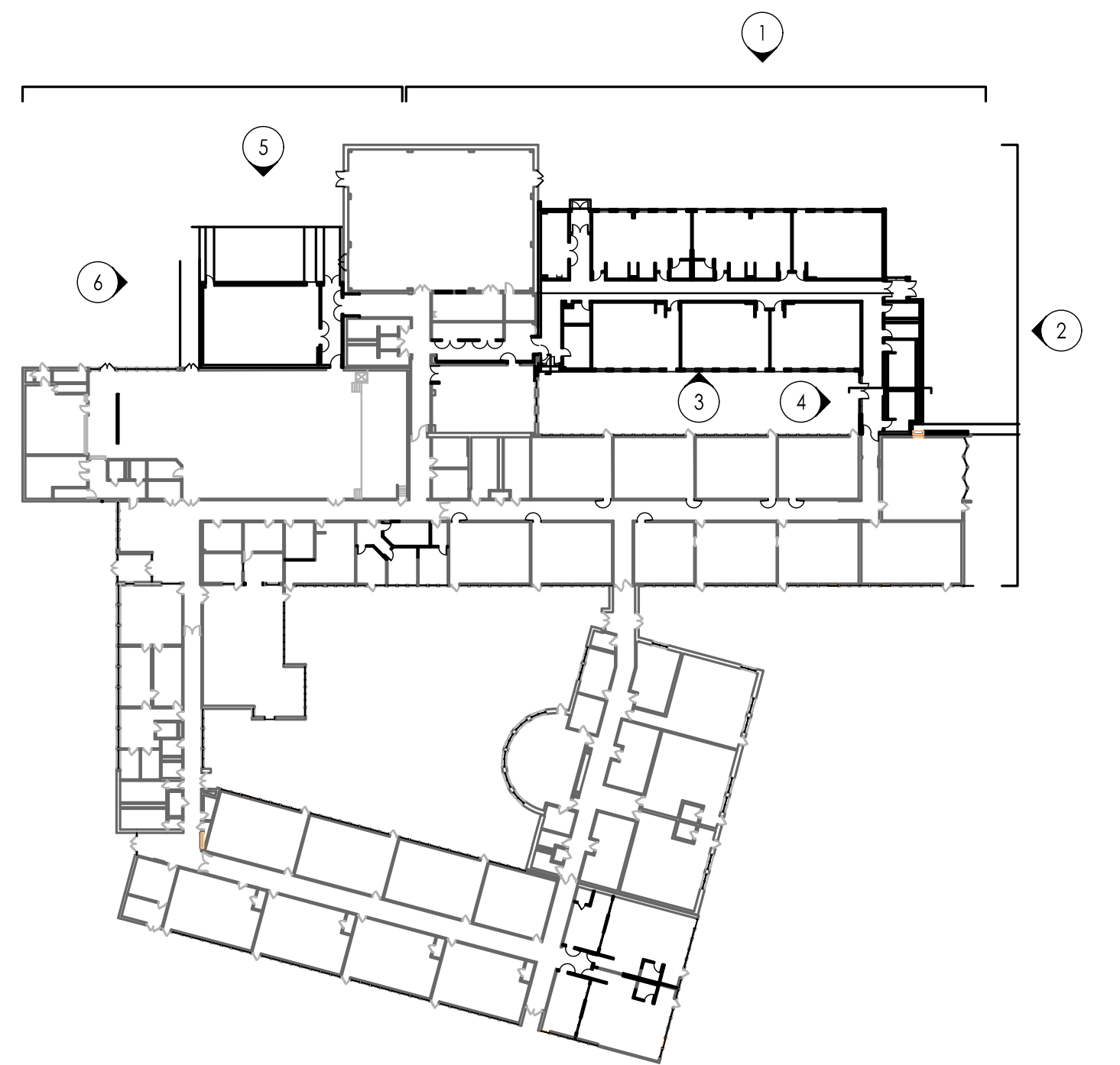
5 VOCAL ROOM ELEVATION
1/8" = 1'-0"



6 VOCAL ROOM SIDE ELEVATION
1/8" = 1'-0"

KEYNOTE FINISH LEGEND

1	4" BRICK VENEER, RUNNING BOND
2	FRP DOOR IN ALUMINUM FRAME, REF DOOR SCHEDULE
3	TYPICAL MASONRY CONTROL JOINT, REF 3/G004
4	ALUMINUM STOREFRONT SYSTEM, REF WINDOW TYPES ON SHEET A603
5	EXTERIOR FIBER CEMENT SIDING WITH 6" EXPOSURE
6	DARK BRONZE ALUMINUM FASCIA, REF A300 SERIES DWGS & SPECS FOR DETAILS
7	CAST STONE SILL (VOCAL MUSIC) REF E/A301
8	CAST STONE SILL (CLASSROOM) REF D/A301
9	PARAPET AT FIRE WALL STEP UP WITH METAL COPING, REF 13/A112 FOR "SIM" CONDITION
10	PRE-MANUFACTURED OVERHEAD CANOPY WITH SUPPORT, ESCUTCHEON PLATE, DOWN SPOUT AND EMERGENCY LIGHT, COLOR SELECTED BY ARCHITECT
11	CANOPY SUPPORTS AND ESCUTCHEON PLATE PER MANUFACTURE, COLOR SELECTED BY ARCHITECT
12	ALUMINUM LOUVER FOR UV, REF MECHANICAL & LOUVER TYPES ON SHEET A603
13	EXTERIOR INSULATION FINISH SYSTEM ON CMU PARAPET, EIFS,
14	PRE-FINISHED METAL DOWNSPOUT, TIE INTO CONDUCTOR BOOT, PER CANOPY MANUFACTURER, REF CIVIL
15	EIFS CONTROL JOINT - SEE DETAIL C/A301 (TYP.)
16	1" BUILDING EXPANSION, SEALANT COLOR SELECTED BY ARCHITECT, REF 4/G004 FOR "SIM" CONDITION, REF PLAN DETAILS FOR SPECIFIC CONDITION, TYP
17	DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH (COLOR SELECTED BY ARCHITECT)
18	4" FIBER CEMENT TRIM CORNER TRIM, PER CEMENT FIBER SIDING MANUFACTURER, REF C4/A501 FOR "SIM" CONDITION
19	ALUMINUM WINDOW SYSTEM, REF WINDOW TYPES
20	ALUMINUM DOWNSPOUT, PER CANOPY MANUFACTURER, INTO CAST IRON BOOT, REF CIVIL
21	CAST STONE CORNER WITH RETURN, REF G/A301
22	EXISTING BUILDING TO REMAIN
23	EXISTING DOOR IN EXISTING FRAME TO REMAIN
24	RAISED METAL ROOF EDGE, COLOR TO MATCH FASCIA EXTENDERS, REF ROOF PLAN
25	TYPICAL ROOF ASSEMBLE, REF ROOF TYPE ASSEMBLES
26	PRE-FINISHED METAL COPING COVER, REF 20/A112
27	EXISTING MECHANICAL LOUVER TO REMAIN. MOVE TO FACE OF NEW FIRE WALL WITH NEW SLEEVE AND FIRE-PROOF DAMPER PER CODE, REF MECHANICAL
28	GRADUALLY GRADE UP TO THRESHOLD, REF CIVIL
29	EXTERIOR WALL PACK LIGHTING, REF ELECTRIC
30	EXTERIOR SOFFIT LIGHTING, REF ELECTRIC
31	NEW 4" CEMENT FIBER TRIM, MATCH EXISTING TEXTURE AND COLOR. CUT AND REMOVE EXISTING SIDING FOR NEW BUILDING EXPANSION JOINT, REF C8/A501, AND C9/A501
32	EXISTING CEMENT FIBER SIDING AND TRIM TO REMAIN
33	NEW DOOR IN EXISTING OPENING, REF DOOR SCHEDULE FOR DOOR AND FRAME TYPE.
34	NEW WALL PACK LIGHTING IN EXISTING LOCATION, REF ELECTRIC FOR ITEMS BEING REMOVED AND INSTALLED IN THIS AREA
35	METAL RETURN TRIM AT OUTER FACE OF SLOPING SOFFIT, MATCH METAL BRICK BOX, REF D/A304
36	2" PRE-FINISHED METAL BRICK BOX TRIM WITH HEMMED EDGE, MATCH SOFFIT
37	BRICK INFILL AT NEW TRU-WALL FLASHING, MATCH EXISTING BRICK, REF 6/A113
38	TRUSS CONSTRUCTION EMBLEM SIGN, SIGN TYPE 21- SEE SIGN TYPES ON A601, FINAL LOCATION TO BE DETERMINED BY ARCHITECT (TYP.)
39	BARRIER FREE SIGN TYPE 1 - SEE SIGN TYPES ON A601, FINAL LOCATION OF SIGN TO BE DETERMINED BY ARCHITECT
40	DATE STONE - REF 9/A503
41	FENCE AND GATE, REF CIVIL
42	EXISTING CONCRETE FLOOR, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
43	EXTERIOR EXIT SIGN, REF ELECTRIC
44	EXTENDED FIREWALL
45	EXISTING MECHANICAL LOUVER. VERIFY WITH MECHANICAL ENG. IF LOUVER IS STILL IN USE.
46	REMOVE EXISTING FASCIA AT DISTANCE SHOWN TO ACCOMMODATE NEW FIREWALL.
47	RELOCATE EXISTING SCUPPER AND DOWNSPOUT. SCUPPER OPENING TO BE MODIFIED AND BOOT TO BE RECONNETED ACCORDINGLY.
48	RELOCATE EXISTING SECURITY CAMERA AND OTHER ELECTRICAL DEVICES TO THE NEW FIREWALL ACCORDINGLY.



KEYPLAN
1/64" = 1'-0"

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By

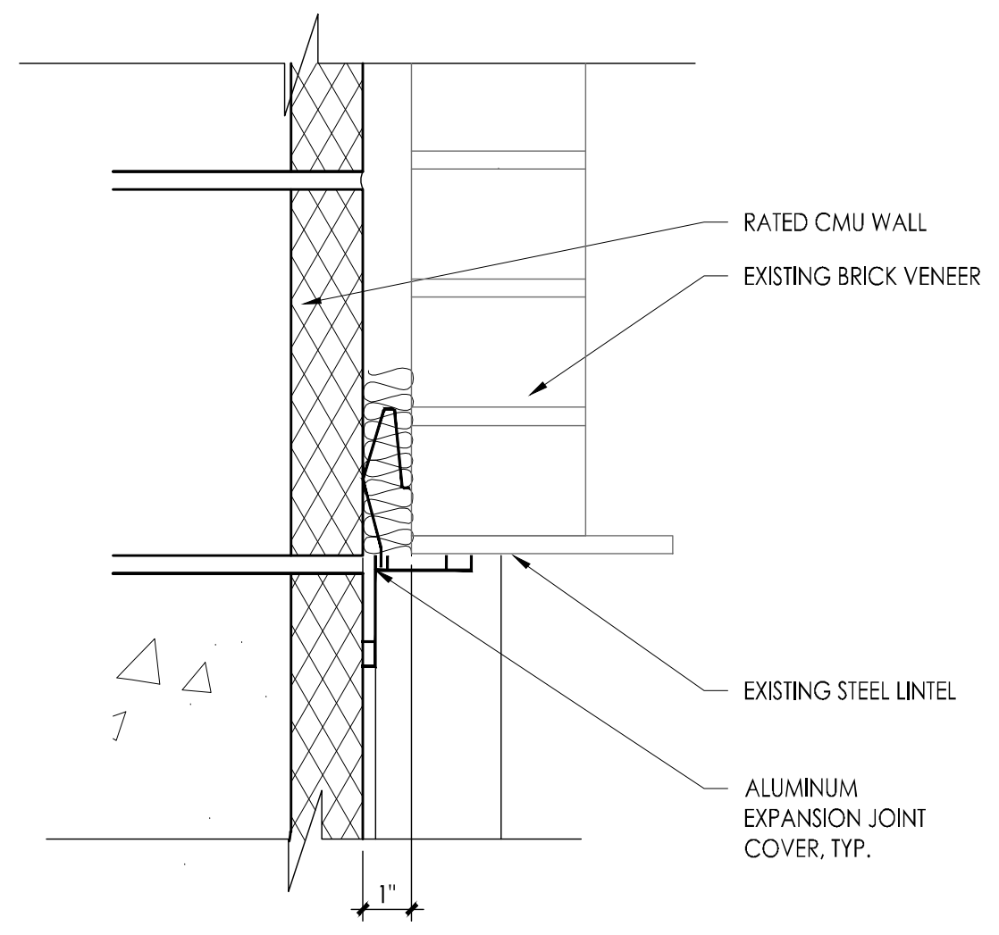
Scale
AS NOTED

Drawing Name
EXTERIOR ELEVATIONS & KEY NOTES

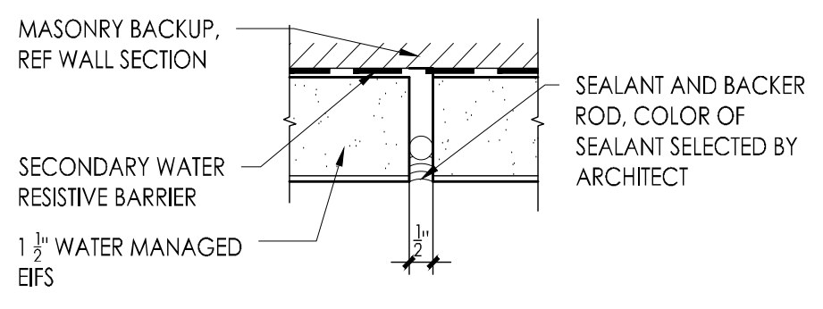
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

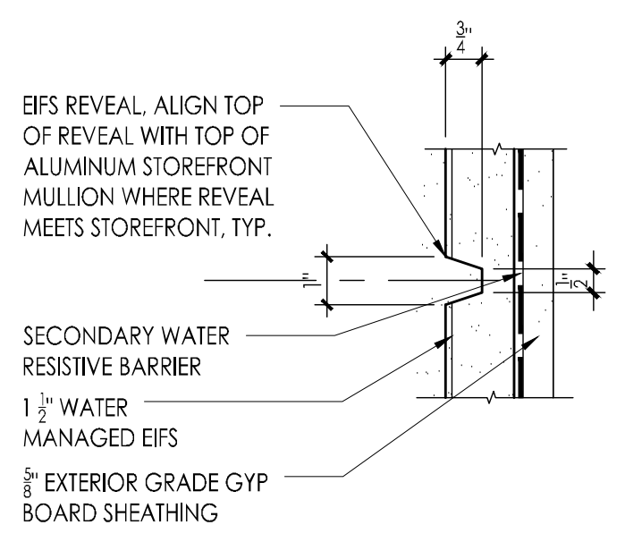
Drawing Number
A201



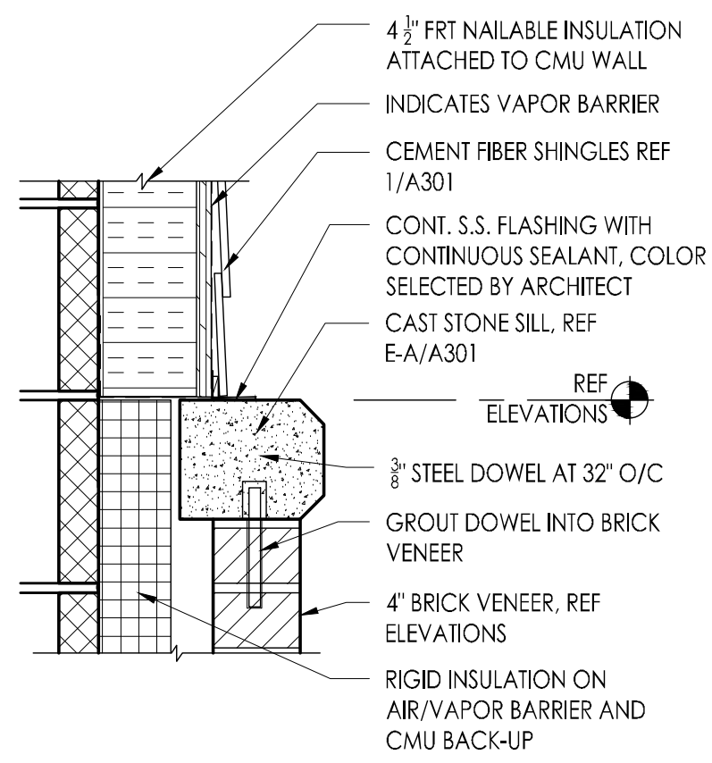
A EXPANSION DETAIL
Scale: 3" = 1'-0"


MASONRY BACKUP, REF WALL SECTION
SECONDARY WATER RESISTIVE BARRIER
1 1/2" WATER MANAGED EIFS
SEALANT AND BACKER ROD, COLOR OF SEALANT SELECTED BY ARCHITECT
1/2"

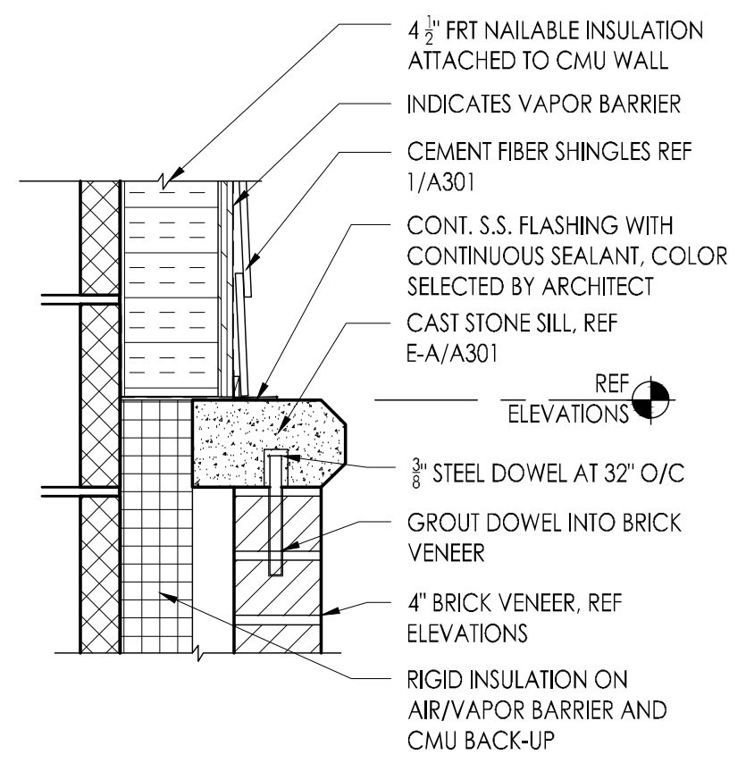
C EIFS CONTROL JOINT DETAIL
Scale: 3" = 1'-0"


EIFS REVEAL, ALIGN TOP OF REVEAL WITH TOP OF ALUMINUM STOREFRONT MULLION WHERE REVEAL MEETS STOREFRONT, TYP.
SECONDARY WATER RESISTIVE BARRIER
1 1/2" WATER MANAGED EIFS
5/8" EXTERIOR GRADE GYP BOARD SHEATHING
3/4"
1"
1/2"

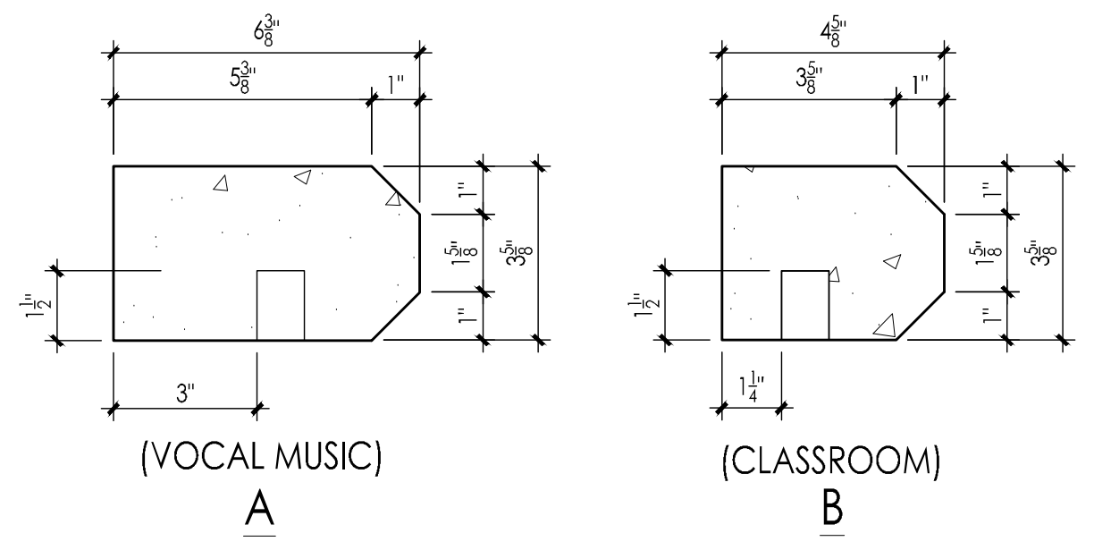
B TYPICAL EIFS REVEAL
Scale 3" = 1'-0"


4 1/2" FRT NAILABLE INSULATION ATTACHED TO CMU WALL
INDICATES VAPOR BARRIER
CEMENT FIBER SHINGLES REF 1/A301
CONT. S.S. FLASHING WITH CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
CAST STONE SILL, REF E-A/A301
REF ELEVATIONS
3/8" STEEL DOWEL AT 32" O/C
GROUT DOWEL INTO BRICK VENEER
4" BRICK VENEER, REF ELEVATIONS
RIGID INSULATION ON AIR/VAPOR BARRIER AND CMU BACK-UP

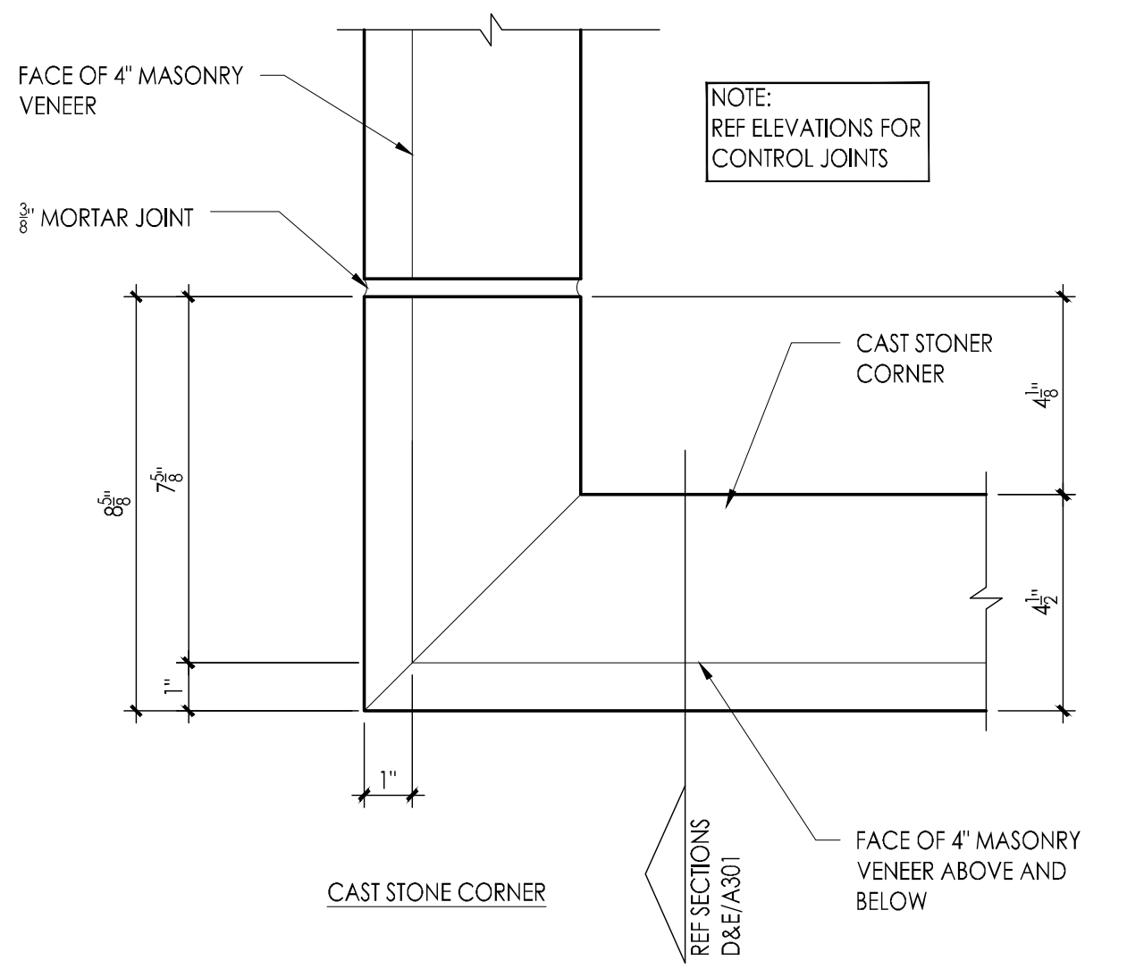
D CLASSROOM CAST STONE BAND
1 1/2" = 1'-0"


4 1/2" FRT NAILABLE INSULATION ATTACHED TO CMU WALL
INDICATES VAPOR BARRIER
CEMENT FIBER SHINGLES REF 1/A301
CONT. S.S. FLASHING WITH CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
CAST STONE SILL, REF E-A/A301
REF ELEVATIONS
3/8" STEEL DOWEL AT 32" O/C
GROUT DOWEL INTO BRICK VENEER
4" BRICK VENEER, REF ELEVATIONS
RIGID INSULATION ON AIR/VAPOR BARRIER AND CMU BACK-UP

E VOCAL MUSIC CAST STONE BAND
1 1/2" = 1'-0"



F CAST STONE DETAILS
Scale 3" = 1'-0"


FACE OF 4" MASONRY VENEER
3/8" MORTAR JOINT
NOTE: REF ELEVATIONS FOR CONTROL JOINTS
CAST STONER CORNER
8 5/8"
7 5/8"
4 1/8"
4 1/2"
1"
1"
CAST STONE CORNER
REF SECTIONS D&E/A301
FACE OF 4" MASONRY VENEER ABOVE AND BELOW

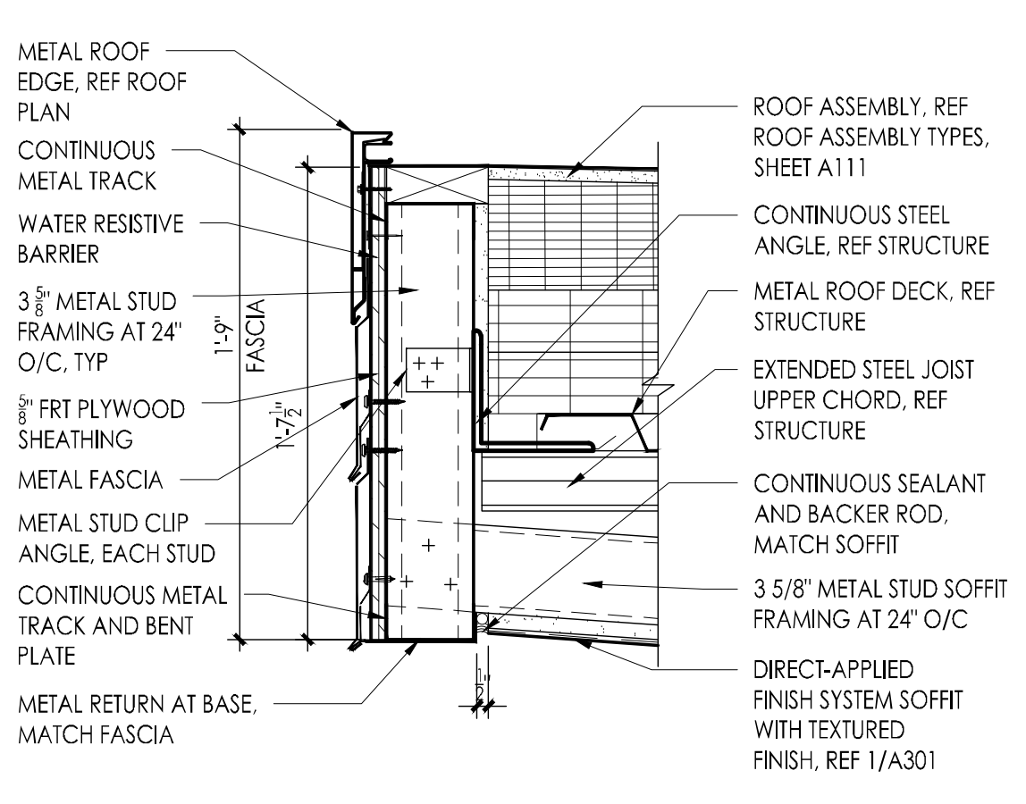
G CAST STONE BAND
Scale: 3" = 1'-0"

NOTE:
REFERENCE SILL DETAIL
WH2/A603

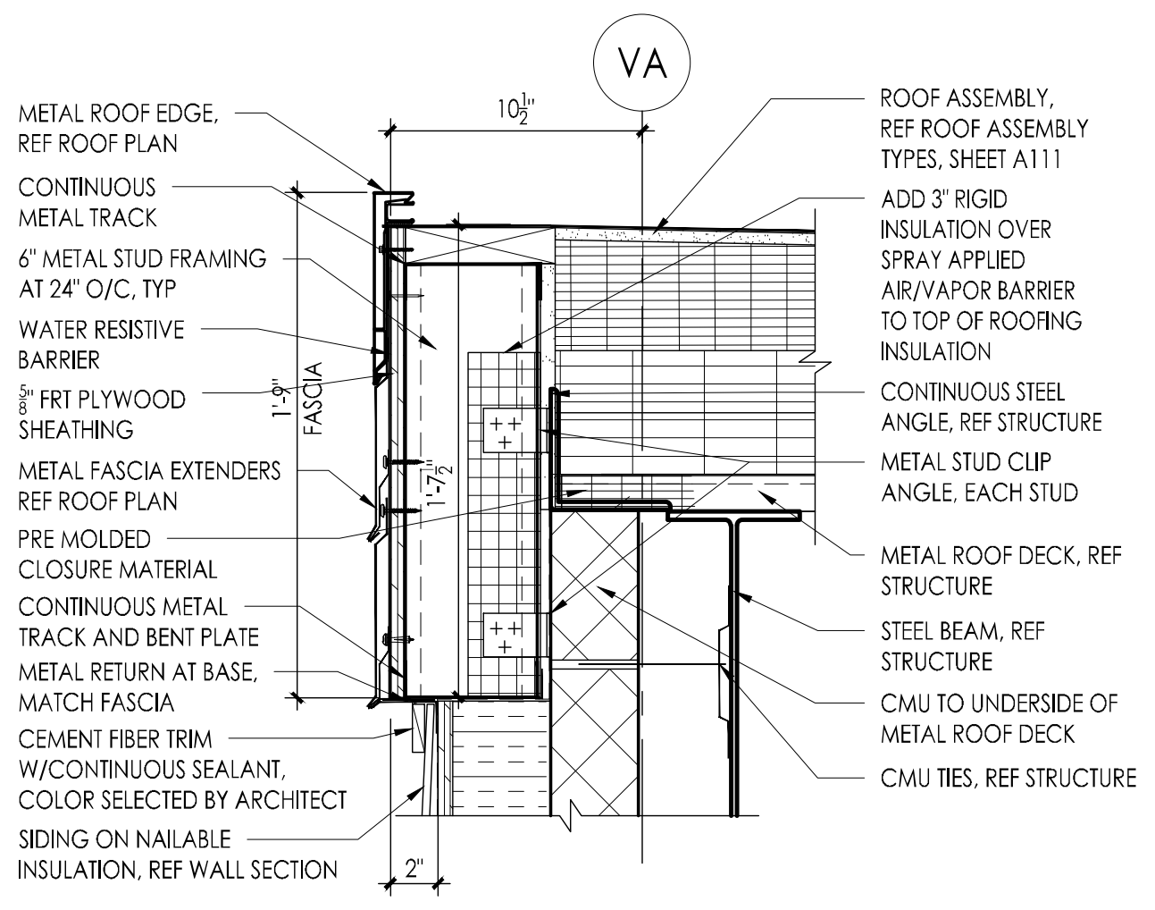
H SILL DETAIL (VOCAL MUSIC)
1-1/2" = 1'-0"

NOTE:
REFERENCE SILL DETAIL
WH1/A603

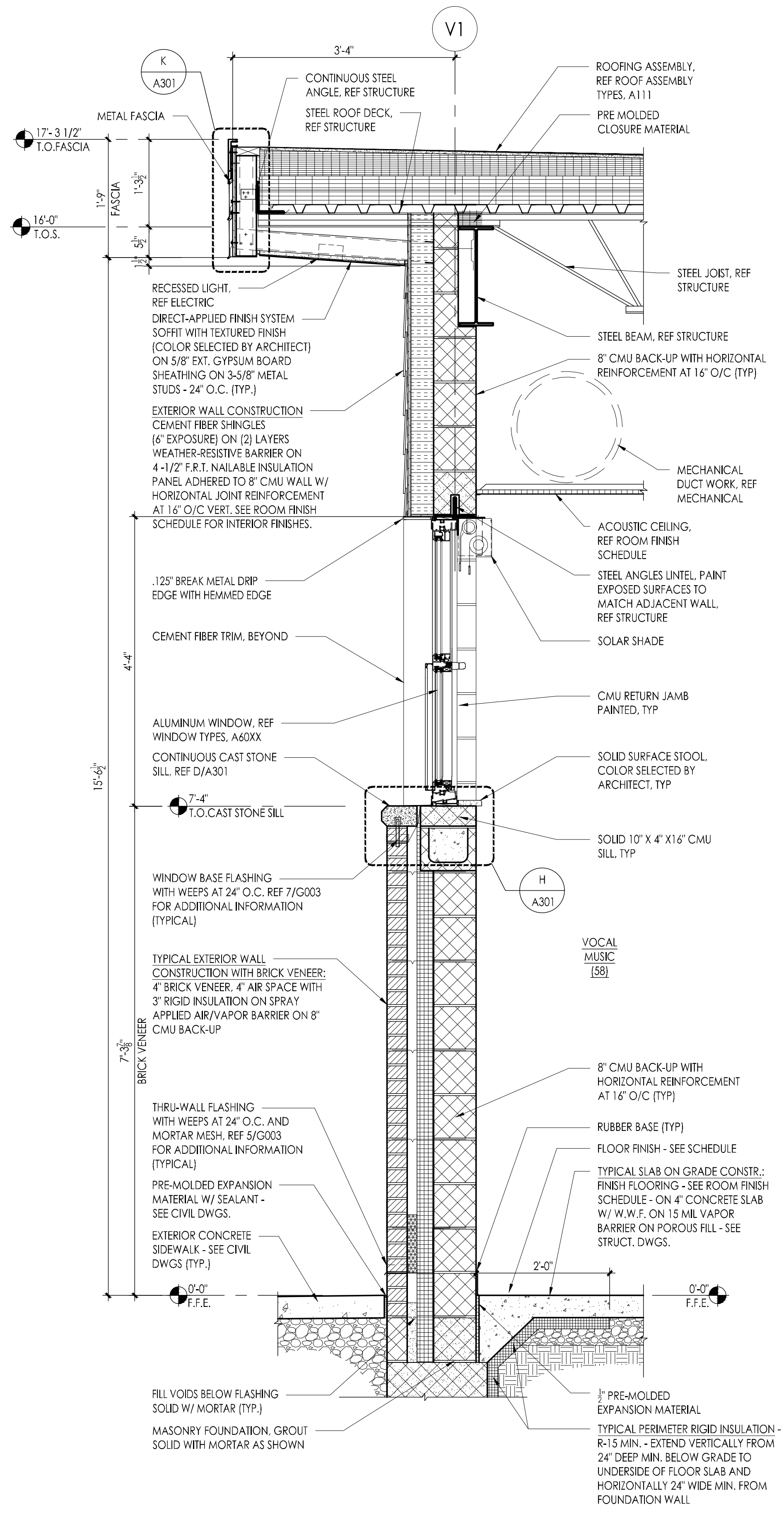
J SILL DETAIL (CLASSROOM)
1-1/2" = 1'-0"


METAL ROOF EDGE, REF ROOF PLAN
CONTINUOUS METAL TRACK
WATER RESISTIVE BARRIER
3 5/8" METAL STUD FRAMING AT 24" O/C, TYP
5/8" FRT PLYWOOD SHEATHING
METAL FASCIA
METAL STUD CLIP ANGLE, EACH STUD
CONTINUOUS METAL TRACK AND BENT PLATE
METAL RETURN AT BASE, MATCH FASCIA
1'-9"
FASCIA
1'-7 1/2"
1/2"
ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL ROOF DECK, REF STRUCTURE
EXTENDED STEEL JOIST UPPER CHORD, REF STRUCTURE
CONTINUOUS SEALANT AND BACKER ROD, MATCH SOFFIT
3 5/8" METAL STUD SOFFIT FRAMING AT 24" O/C
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH, REF 1/A301

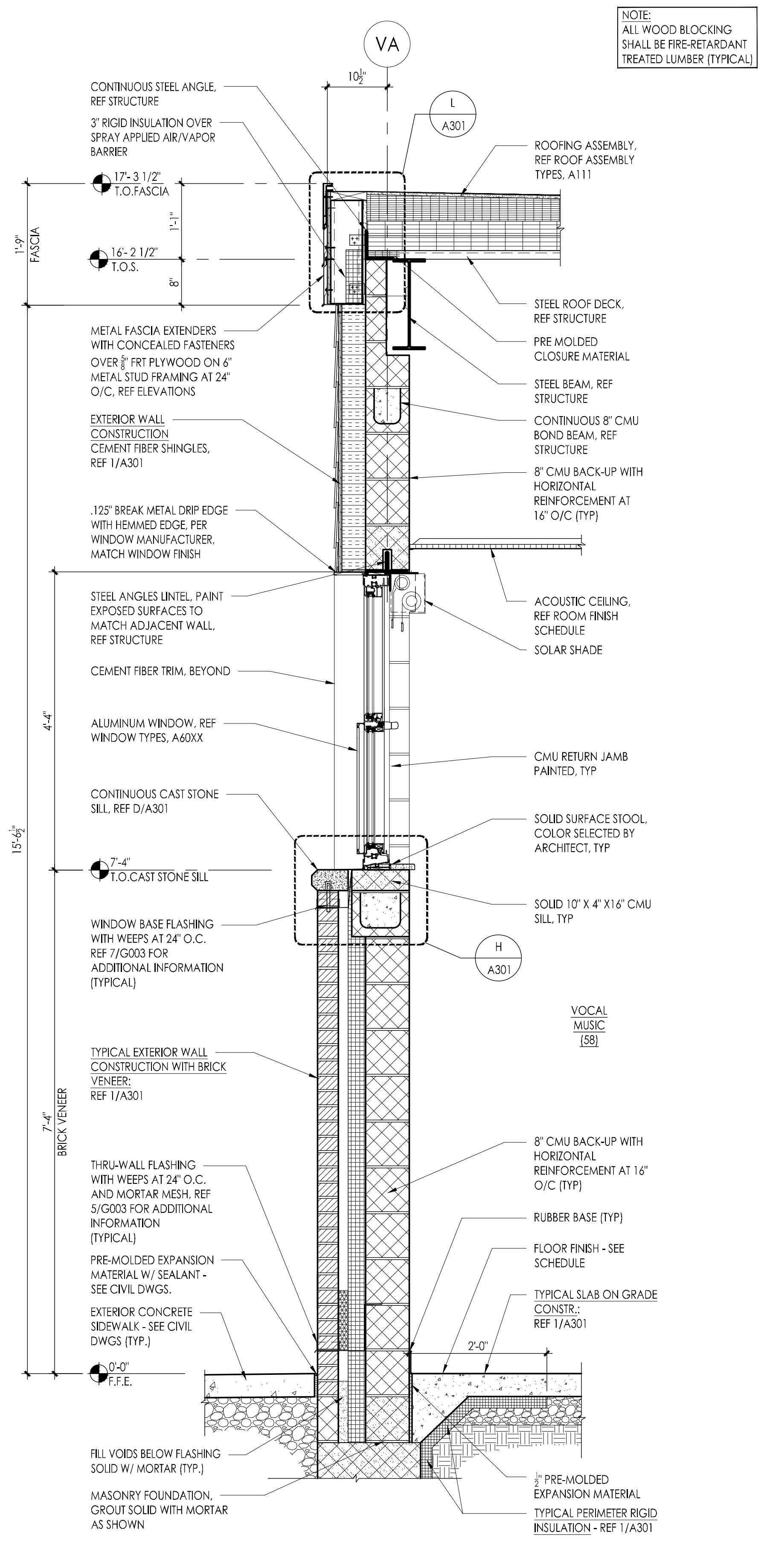
K SOFFIT/FASCIA DETAIL (VOCAL MUSIC)
1-1/2" = 1'-0"


VA
10 1/2"
METAL ROOF EDGE, REF ROOF PLAN
CONTINUOUS METAL TRACK
6" METAL STUD FRAMING AT 24" O/C, TYP
WATER RESISTIVE BARRIER
5/8" FRT PLYWOOD SHEATHING
METAL FASCIA EXTENDERS REF ROOF PLAN
PRE MOLDED CLOSURE MATERIAL
CONTINUOUS METAL TRACK AND BENT PLATE
METAL RETURN AT BASE, MATCH FASCIA
CEMENT FIBER TRIM W/CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
SIDING ON NAILABLE INSULATION, REF WALL SECTION
1'-9"
FASCIA
1'-7 1/2"
2"
ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
ADD 3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER TO TOP OF ROOFING INSULATION
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL STUD CLIP ANGLE, EACH STUD
METAL ROOF DECK, REF STRUCTURE
STEEL BEAM, REF STRUCTURE
CMU TO UNDERSIDE OF METAL ROOF DECK
CMU TIES, REF STRUCTURE

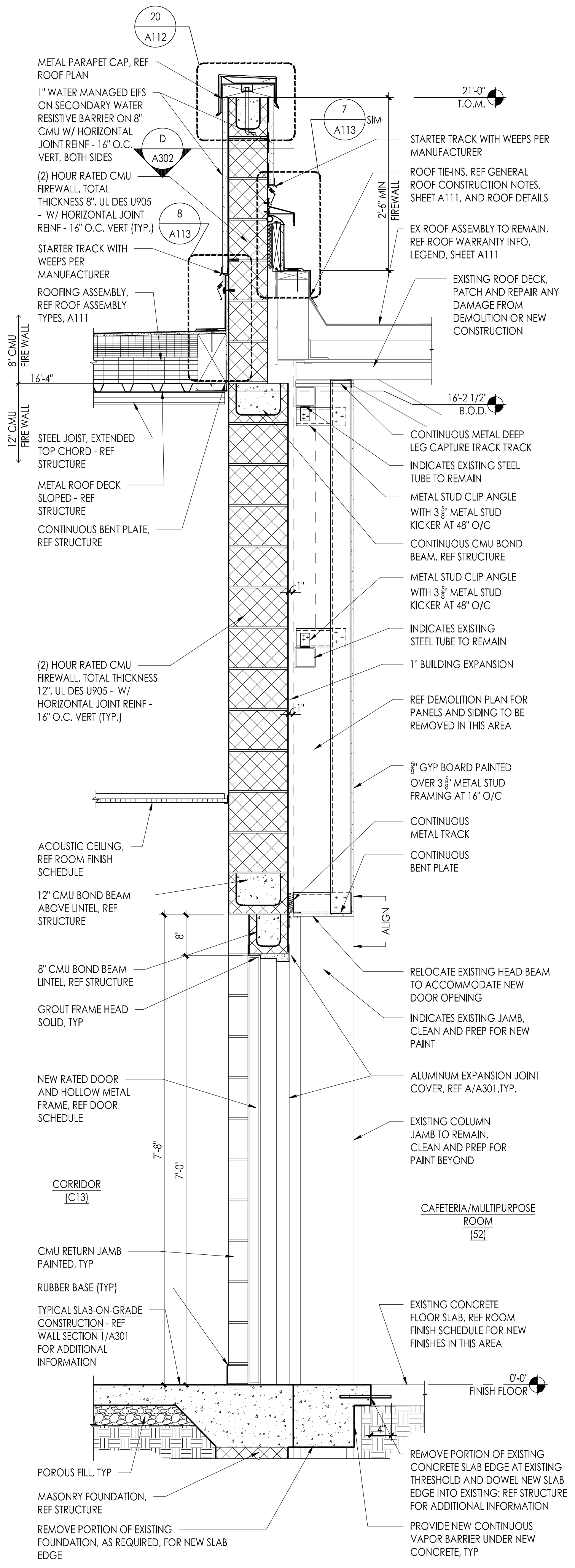
L FASCIA DETAIL (VOCAL MUSIC)
1-1/2" = 1'-0"


V1
3'-4"
K
A301
METAL FASCIA
CONTINUOUS STEEL ANGLE, REF STRUCTURE
STEEL ROOF DECK, REF STRUCTURE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
PRE MOLDED CLOSURE MATERIAL
17'- 3 1/2" T.O.FASCIA
16'-0" T.O.S.
1'-9"
FASCIA
1'-3 1/2"
5 1/2"
1 1/2"
RECESSED LIGHT, REF ELECTRIC
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH (COLOR SELECTED BY ARCHITECT) ON 5/8" EXT. GYPSUM BOARD SHEATHING ON 3-5/8" METAL STUDS - 24" O.C. (TYP.)
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES (6" EXPOSURE) ON (2) LAYERS WEATHER-RESISTIVE BARRIER ON 4 -1/2" F.R.T. NAILABLE INSULATION PANEL ADHERED TO 8" CMU WALL W/ HORIZONTAL JOINT REINFORCEMENT AT 16" O/C VERT. SEE ROOM FINISH SCHEDULE FOR INTERIOR FINISHES.
STEEL JOIST, REF STRUCTURE
STEEL BEAM, REF STRUCTURE
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
MECHANICAL DUCT WORK, REF MECHANICAL
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
STEEL ANGLES LINTEL, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL, REF STRUCTURE
SOLAR SHADE
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
CEMENT FIBER TRIM, BEYOND
ALUMINUM WINDOW, REF WINDOW TYPES, A60XX
CONTINUOUS CAST STONE SILL, REF D/A301
CMU RETURN JAMB PAINTED, TYP
SOLID SURFACE STOOL, COLOR SELECTED BY ARCHITECT, TYP
SOLID 10" X 4" X16" CMU SILL, TYP
4'-4"
15'-6 1/2"
7'-4" T.O.CAST STONE SILL
H
A301
WINDOW BASE FLASHING WITH WEEPS AT 24" O.C. REF 7/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
VOCAL MUSIC (58)
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: 4" BRICK VENEER, 4" AIR SPACE WITH 3" RIGID INSULATION ON SPRAY APPLIED AIR/VAPOR BARRIER ON 8" CMU BACK-UP
7'-3 7/8"
BRICK VENEER
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
PRE-MOLDED EXPANSION MATERIAL W/ SEALANT - SEE CIVIL DWGS.
TYPICAL SLAB ON GRADE CONSTR.: FINISH FLOORING - SEE ROOM FINISH SCHEDULE - ON 4" CONCRETE SLAB W/ W.W.F. ON 15 MIL VAPOR BARRIER ON POROUS FILL - SEE STRUCT. DWGS.
EXTERIOR CONCRETE SIDEWALK - SEE CIVIL DWGS (TYP.)
2'-0"
0'-0" F.F.E.
0'-0" F.F.E.
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN
1/2" PRE-MOLDED EXPANSION MATERIAL
TYPICAL PERIMETER RIGID INSULATION - R-15 MIN. - EXTEND VERTICALLY FROM 24" DEEP MIN. BELOW GRADE TO UNDERSIDE OF FLOOR SLAB AND HORIZONTALLY 24" WIDE MIN. FROM FOUNDATION WALL

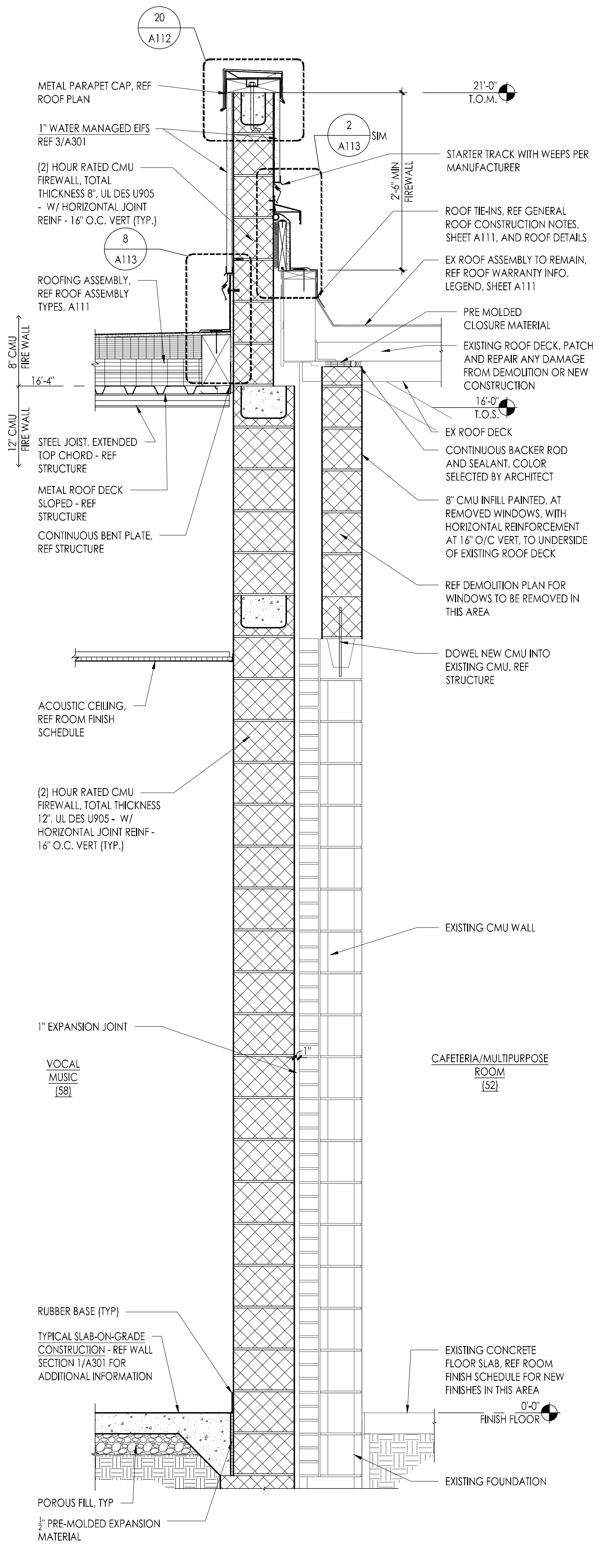
1 WALL SECTION (VOCAL MUSIC)
Scale: 3/4" = 1' - 0"


NOTE: ALL WOOD BLOCKING SHALL BE FIRE-RETARDANT TREATED LUMBER (TYPICAL)
VA
10 1/2"
L
A301
CONTINUOUS STEEL ANGLE, REF STRUCTURE
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
17'- 3 1/2" T.O.FASCIA
16'- 2 1/2" T.O.S.
1'-9"
FASCIA
1'-1"
8"
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER 5/8" FRT PLYWOOD ON 6" METAL STUD FRAMING AT 24" O/C, REF ELEVATIONS
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES, REF 1/A301
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE, PER WINDOW MANUFACTURER, MATCH WINDOW FINISH
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
STEEL ANGLES LINTEL, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL, REF STRUCTURE
SOLAR SHADE
CEMENT FIBER TRIM, BEYOND
ALUMINUM WINDOW, REF WINDOW TYPES, A60XX
CMU RETURN JAMB PAINTED, TYP
CONTINUOUS CAST STONE SILL, REF D/A301
SOLID SURFACE STOOL, COLOR SELECTED BY ARCHITECT, TYP
7'-4" T.O.CAST STONE SILL
SOLID 10" X 4" X16" CMU SILL, TYP
4'-4"
15'-6 1/2"
H
A301
WINDOW BASE FLASHING WITH WEEPS AT 24" O.C. REF 7/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
VOCAL MUSIC (58)
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 1/A301
7'-4"
BRICK VENEER
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
PRE-MOLDED EXPANSION MATERIAL W/ SEALANT - SEE CIVIL DWGS.
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
EXTERIOR CONCRETE SIDEWALK - SEE CIVIL DWGS (TYP.)
2'-0"
0'-0" F.F.E.
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN
1/2" PRE-MOLDED EXPANSION MATERIAL
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301

2 WALL SECTION (VOCAL MUSIC)
Scale: 3/4" = 1' - 0"


20
A112
METAL PARAPET CAP, REF ROOF PLAN
1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER ON 8" CMU W/ HORIZONTAL JOINT REINF - 16" O.C. VERT. BOTH SIDES
D
A302
7
A113
SIM
21'-0" T.O.M.
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
8
A113
STARTER TRACK WITH WEEPS PER MANUFACTURER
ROOF TIE-INS, REF GENERAL ROOF CONSTRUCTION NOTES, SHEET A111, AND ROOF DETAILS
2'-6" MIN FIREWALL
EX ROOF ASSEMBLY TO REMAIN, REF ROOF WARRANTY INFO. LEGEND, SHEET A111
STARTER TRACK WITH WEEPS PER MANUFACTURER
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
EXISTING ROOF DECK, PATCH AND REPAIR ANY DAMAGE FROM DEMOLITION OR NEW CONSTRUCTION
8" CMU FIRE WALL
16'-4"
12" CMU FIRE WALL
16'-2 1/2" B.O.D.
STEEL JOIST, EXTENDED TOP CHORD - REF STRUCTURE
CONTINUOUS METAL DEEP LEG CAPTURE TRACK TRACK
INDICATES EXISTING STEEL TUBE TO REMAIN
METAL ROOF DECK SLOPED - REF STRUCTURE
METAL STUD CLIP ANGLE WITH 3 5/8" METAL STUD KICKER AT 48" O/C
CONTINUOUS BENT PLATE, REF STRUCTURE
CONTINUOUS CMU BOND BEAM, REF STRUCTURE
METAL STUD CLIP ANGLE WITH 3 5/8" METAL STUD KICKER AT 48" O/C
1"
INDICATES EXISTING STEEL TUBE TO REMAIN
1" BUILDING EXPANSION
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
1"
REF DEMOLITION PLAN FOR PANELS AND SIDING TO BE REMOVED IN THIS AREA
5/8" GYP BOARD PAINTED OVER 3 5/8" METAL STUD FRAMING AT 16" O/C
CONTINUOUS METAL TRACK
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
CONTINUOUS BENT PLATE
12" CMU BOND BEAM ABOVE LINTEL, REF STRUCTURE
ALIGN
8"
8" CMU BOND BEAM LINTEL, REF STRUCTURE
RELOCATE EXISTING HEAD BEAM TO ACCOMMODATE NEW DOOR OPENING
GROUT FRAME HEAD SOLID, TYP
INDICATES EXISTING JAMB, CLEAN AND PREP FOR NEW PAINT
NEW RATED DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
ALUMINUM EXPANSION JOINT COVER, REF A/A301,TYP.
EXISTING COLUMN JAMB TO REMAIN, CLEAN AND PREP FOR PAINT BEYOND
7'-8"
7'-0"
CORRIDOR (C13)
CAFETERIA/MULTIPURPOSE ROOM (52)
CMU RETURN JAMB PAINTED, TYP
RUBBER BASE (TYP)
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
0'-0" FINISH FLOOR
4"
POROUS FILL, TYP
REMOVE PORTION OF EXISTING CONCRETE SLAB EDGE AT EXISTING THRESHOLD AND DOWEL NEW SLAB EDGE INTO EXISTING: REF STRUCTURE FOR ADDITIONAL INFORMATION
MASONRY FOUNDATION, REF STRUCTURE
PROVIDE NEW CONTINUOUS VAPOR BARRIER UNDER NEW CONCRETE, TYP
REMOVE PORTION OF EXISTING FOUNDATION, AS REQUIRED, FOR NEW SLAB EDGE

3 WALL SECTION (VOCAL/MULTIPURPOSE)
Scale: 3/4" = 1' - 0"


20
A112
METAL PARAPET CAP, REF ROOF PLAN
1" WATER MANAGED EIFS REF 3/A301
21'-0" T.O.M.
2
A113
SIM
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
STARTER TRACK WITH WEEPS PER MANUFACTURER
2'-6" MIN FIREWALL
8
A113
ROOF TIE-INS, REF GENERAL ROOF CONSTRUCTION NOTES, SHEET A111, AND ROOF DETAILS
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
EX ROOF ASSEMBLY TO REMAIN, REF ROOF WARRANTY INFO. LEGEND, SHEET A111
PRE MOLDED CLOSURE MATERIAL
EXISTING ROOF DECK, PATCH AND REPAIR ANY DAMAGE FROM DEMOLITION OR NEW CONSTRUCTION
8" CMU FIRE WALL
16'-4"
12" CMU FIRE WALL
16'-0" T.O.S.
EX ROOF DECK
STEEL JOIST, EXTENDED TOP CHORD - REF STRUCTURE
CONTINUOUS BACKER ROD AND SEALANT, COLOR SELECTED BY ARCHITECT
METAL ROOF DECK SLOPED - REF STRUCTURE
8" CMU INFILL PAINTED, AT REMOVED WINDOWS, WITH HORIZONTAL REINFORCEMENT AT 16" O/C VERT, TO UNDERSIDE OF EXISTING ROOF DECK
CONTINUOUS BENT PLATE, REF STRUCTURE
REF DEMOLITION PLAN FOR WINDOWS TO BE REMOVED IN THIS AREA
DOWEL NEW CMU INTO EXISTING CMU, REF STRUCTURE
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
EXISTING CMU WALL
1" EXPANSION JOINT
1"
VOCAL MUSIC (58)
CAFETERIA/MULTIPURPOSE ROOM (52)
RUBBER BASE (TYP)
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
0'-0" FINISH FLOOR
EXISTING FOUNDATION
POROUS FILL, TYP
1/2" PRE-MOLDED EXPANSION MATERIAL

4 WALL SECTION (VOCAL MUSIC)
Scale: 3/4" = 1' - 0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
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Architect
2/12/26
Date

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Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By

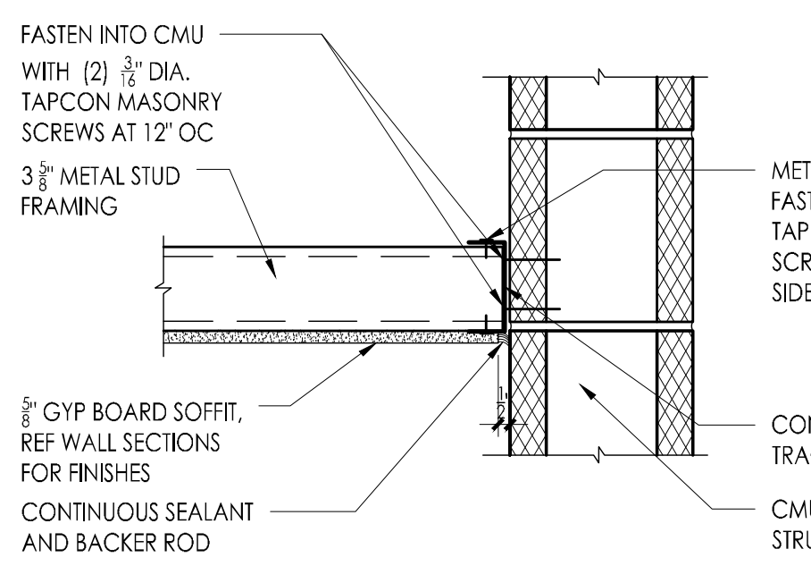
Scale
3/4" = 1'-0" UNO

Drawing Name
WALL SECTIONS & DETAILS

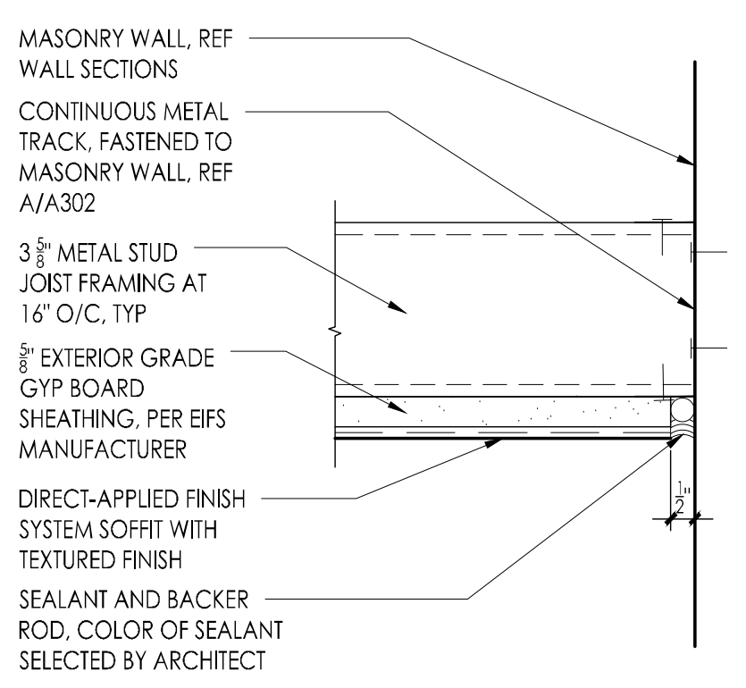
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

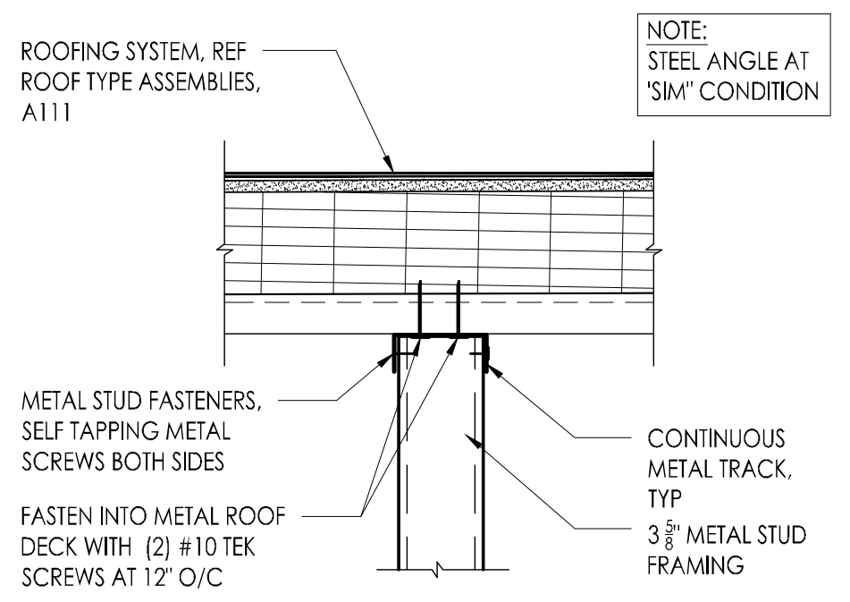
Drawing Number
A301


FASTEN INTO CMU WITH (2) 3/16" DIA. TAPCON MASONRY SCREWS AT 12" OC
3 5/8" METAL STUD FRAMING
5/8" GYP BOARD SOFFIT, REF WALL SECTIONS FOR FINISHES
CONTINUOUS SEALANT AND BACKER ROD
METAL STUD FASTENERS, SELF TAPPING METAL SCREWS BOTH SIDES
CONTINUOUS METAL TRACK, TYP
CMU WALL, REF STRUCTURE
1/2"

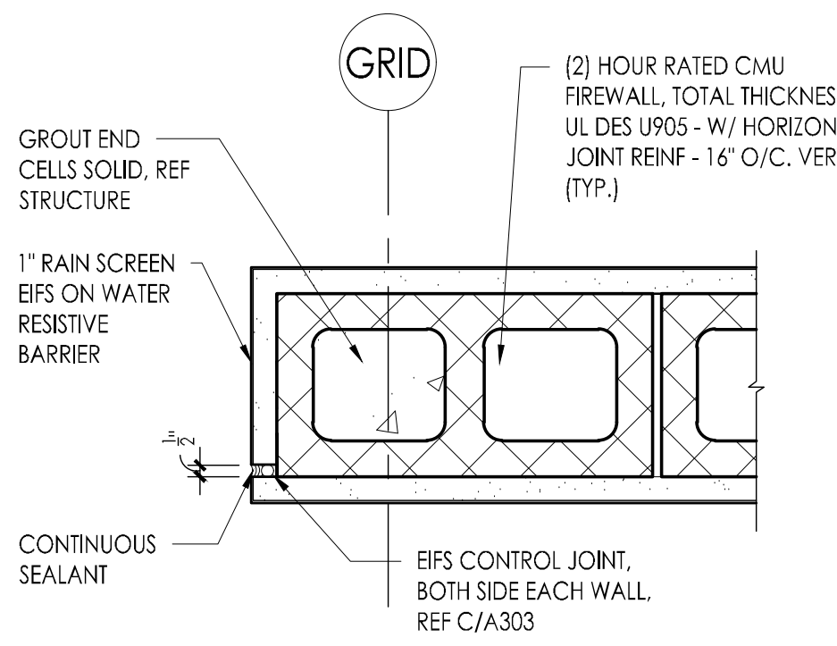
A CAPTURE TRACK AT CMU WALL
1-1/2" = 1'-0"


MASONRY WALL, REF WALL SECTIONS
CONTINUOUS METAL TRACK, FASTENED TO MASONRY WALL, REF A/A302
3 5/8" METAL STUD JOIST FRAMING AT 16" O/C, TYP
5/8" EXTERIOR GRADE GYP BOARD SHEATHING, PER EIFS MANUFACTURER
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH
SEALANT AND BACKER ROD, COLOR OF SEALANT SELECTED BY ARCHITECT
1/2"

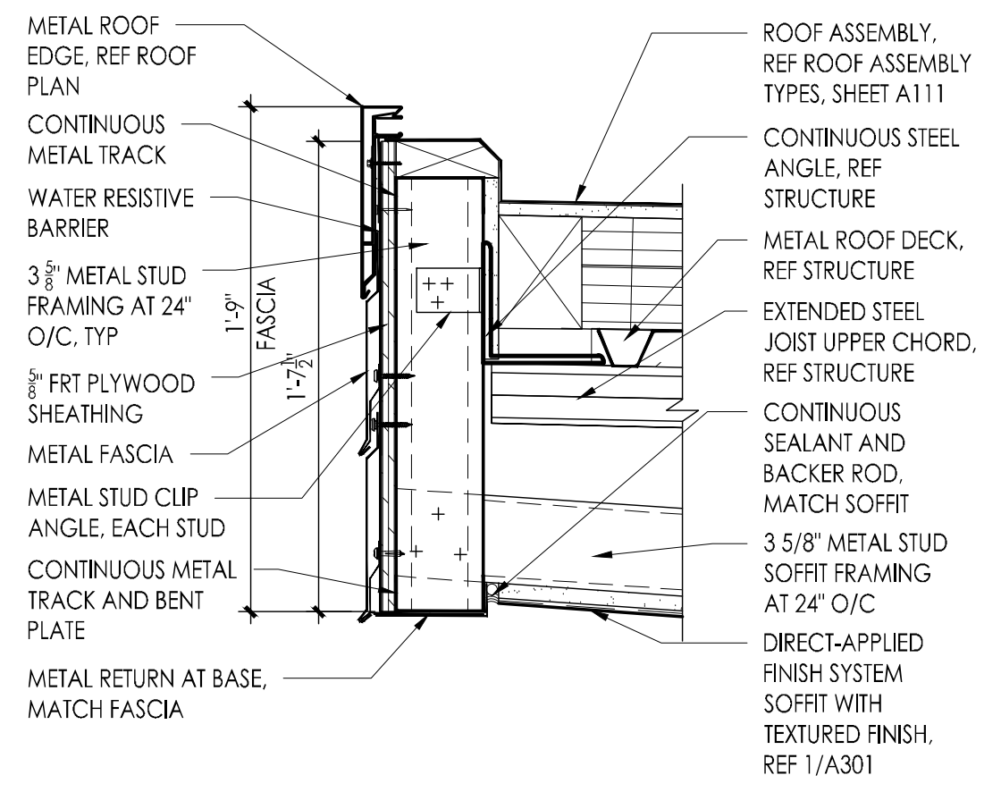
C EIFS SOFFIT JOINT DETAIL
Scale: 3" = 1'-0"


ROOFING SYSTEM, REF ROOF TYPE ASSEMBLIES, A111
NOTE: STEEL ANGLE AT 'SIM' CONDITION
METAL STUD FASTENERS, SELF TAPPING METAL SCREWS BOTH SIDES
FASTEN INTO METAL ROOF DECK WITH (2) #10 TEK SCREWS AT 12" O/C
CONTINUOUS METAL TRACK, TYP
3 5/8" METAL STUD FRAMING

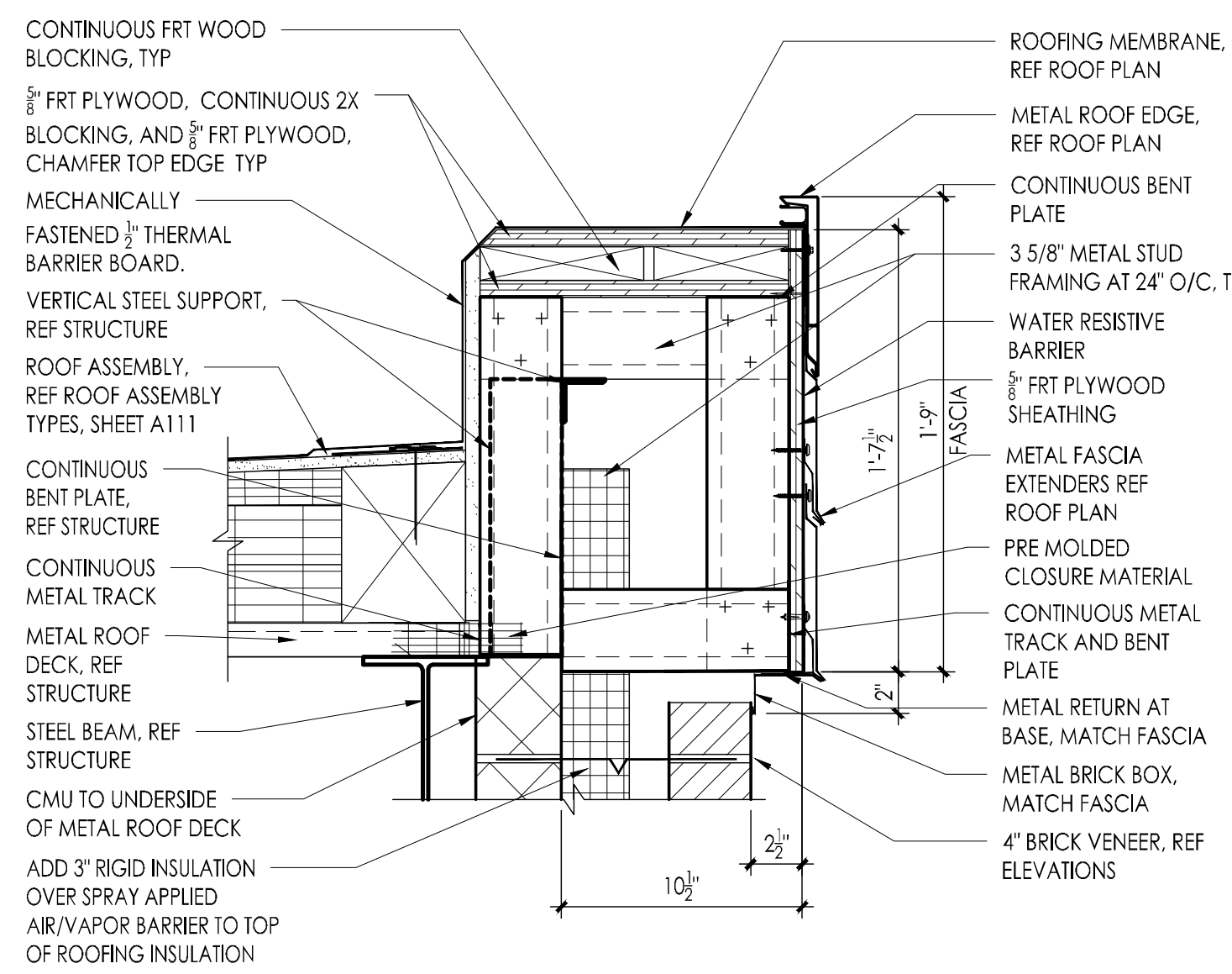
B CAPTURE TRACK AT METAL DECK
1-1/2" = 1'-0"


GRID
GROUT END CELLS SOLID, REF STRUCTURE
1" RAIN SCREEN EIFS ON WATER RESISTIVE BARRIER
CONTINUOUS SEALANT
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8" UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O/C. VERT (TYP.)
EIFS CONTROL JOINT, BOTH SIDE EACH WALL, REF C/A303
1/2"

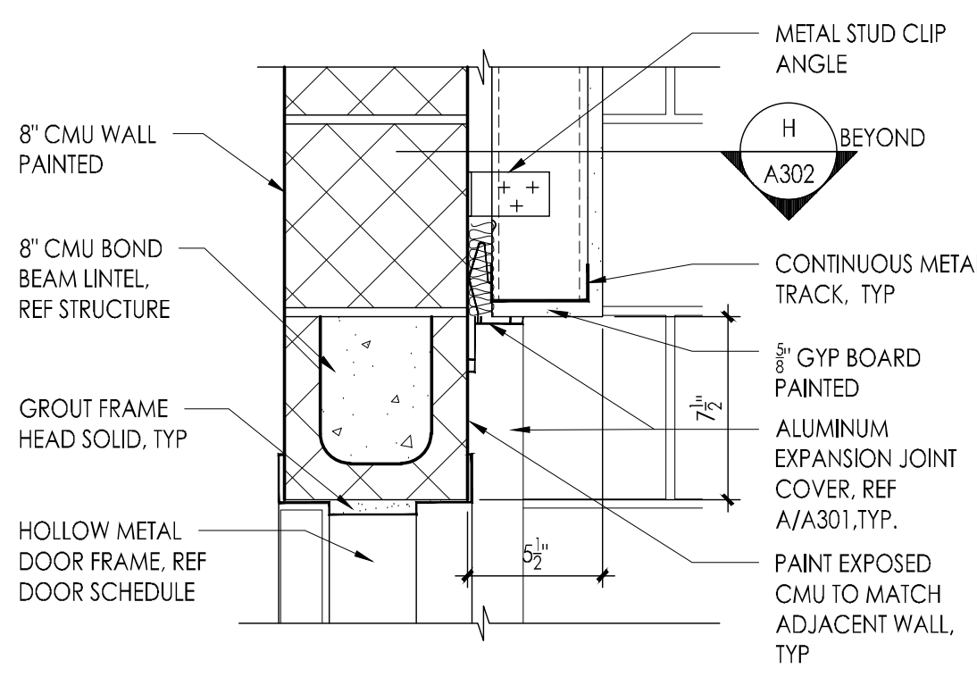
D EIFS CORNER DETAIL
Scale: 1 1/2" = 1'-0"


METAL ROOF EDGE, REF ROOF PLAN
CONTINUOUS METAL TRACK
WATER RESISTIVE BARRIER
3 5/8" METAL STUD FRAMING AT 24" O/C, TYP
5/8" FRT PLYWOOD SHEATHING
METAL FASCIA
METAL STUD CLIP ANGLE, EACH STUD
CONTINUOUS METAL TRACK AND BENT PLATE
METAL RETURN AT BASE, MATCH FASCIA
1'-9"
1'-7 1/2"
FASCIA
ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
CONTINUOUS STEEL ANGLE, REF STRUCTURE
METAL ROOF DECK, REF STRUCTURE
EXTENDED STEEL JOIST UPPER CHORD, REF STRUCTURE
CONTINUOUS SEALANT AND BACKER ROD, MATCH SOFFIT
3 5/8" METAL STUD SOFFIT FRAMING AT 24" O/C
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH, REF 1/A301

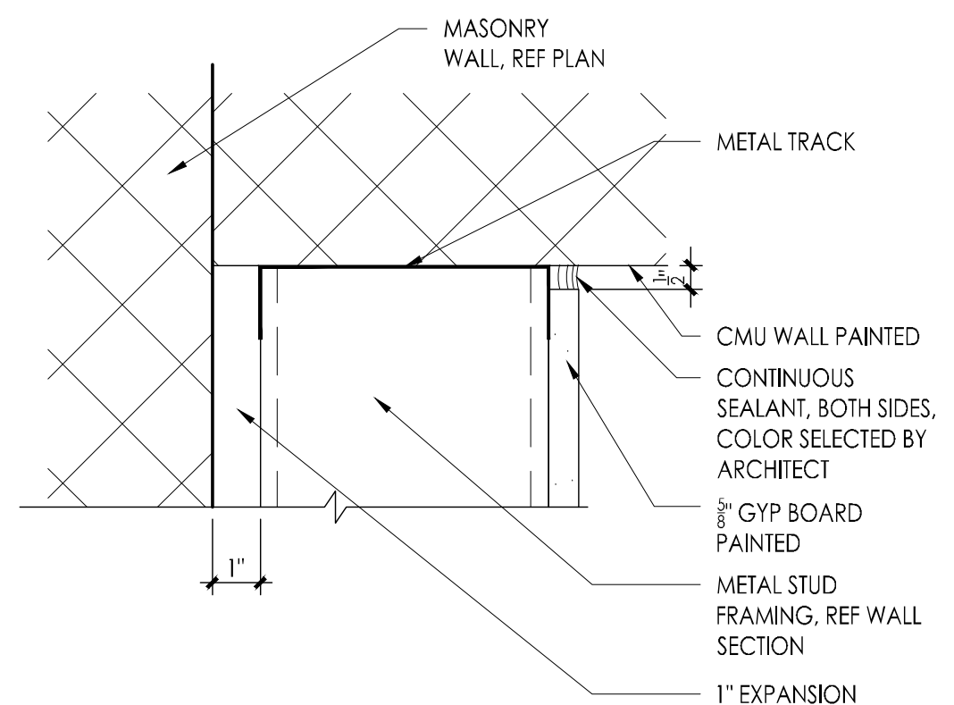
E SOFFIT/FASCIA DETAIL (CLASSROOM)
1-1/2" = 1'-0"


CONTINUOUS FRT WOOD BLOCKING, TYP
5/8" FRT PLYWOOD, CONTINUOUS 2X BLOCKING, AND 5/8" FRT PLYWOOD, CHAMFER TOP EDGE TYP
MECHANICALLY FASTENED 1/2" THERMAL BARRIER BOARD.
VERTICAL STEEL SUPPORT, REF STRUCTURE
ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
CONTINUOUS BENT PLATE, REF STRUCTURE
CONTINUOUS METAL TRACK
METAL ROOF DECK, REF STRUCTURE
STEEL BEAM, REF STRUCTURE
CMU TO UNDERSIDE OF METAL ROOF DECK
ADD 3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER TO TOP OF ROOFING INSULATION
ROOFING MEMBRANE, REF ROOF PLAN
METAL ROOF EDGE, REF ROOF PLAN
CONTINUOUS BENT PLATE
3 5/8" METAL STUD FRAMING AT 24" O/C, TYP
WATER RESISTIVE BARRIER
5/8" FRT PLYWOOD SHEATHING
METAL FASCIA EXTENDERS REF ROOF PLAN
PRE MOLDED CLOSURE MATERIAL
CONTINUOUS METAL TRACK AND BENT PLATE
METAL RETURN AT BASE, MATCH FASCIA
METAL BRICK BOX, MATCH FASCIA
4" BRICK VENEER, REF ELEVATIONS
1'-9"
1'-7 1/2"
FASCIA
2"
2 1/2"
10 1/2"

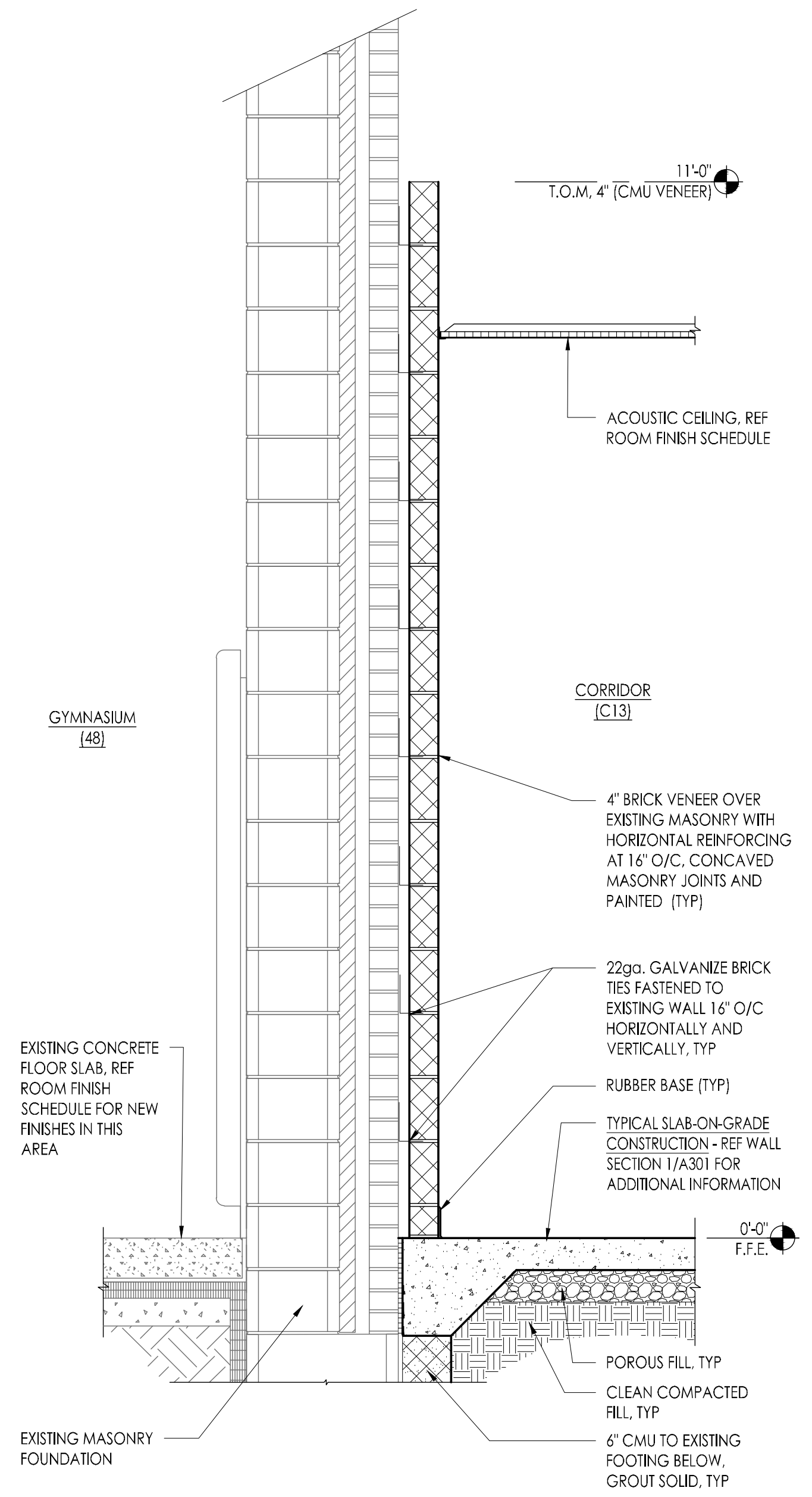
F FASCIA DETAIL (CLASSROOM)
1-1/2" = 1'-0"


8" CMU WALL PAINTED
8" CMU BOND BEAM LINTEL, REF STRUCTURE
GROUT FRAME HEAD SOLID, TYP
HOLLOW METAL DOOR FRAME, REF DOOR SCHEDULE
METAL STUD CLIP ANGLE
H A302 BEYOND
CONTINUOUS METAL TRACK, TYP
5/8" GYP BOARD PAINTED
ALUMINUM EXPANSION JOINT COVER, REF A/A301,TYP.
PAINT EXPOSED CMU TO MATCH ADJACENT WALL, TYP
7 1/2"
5 1/2"

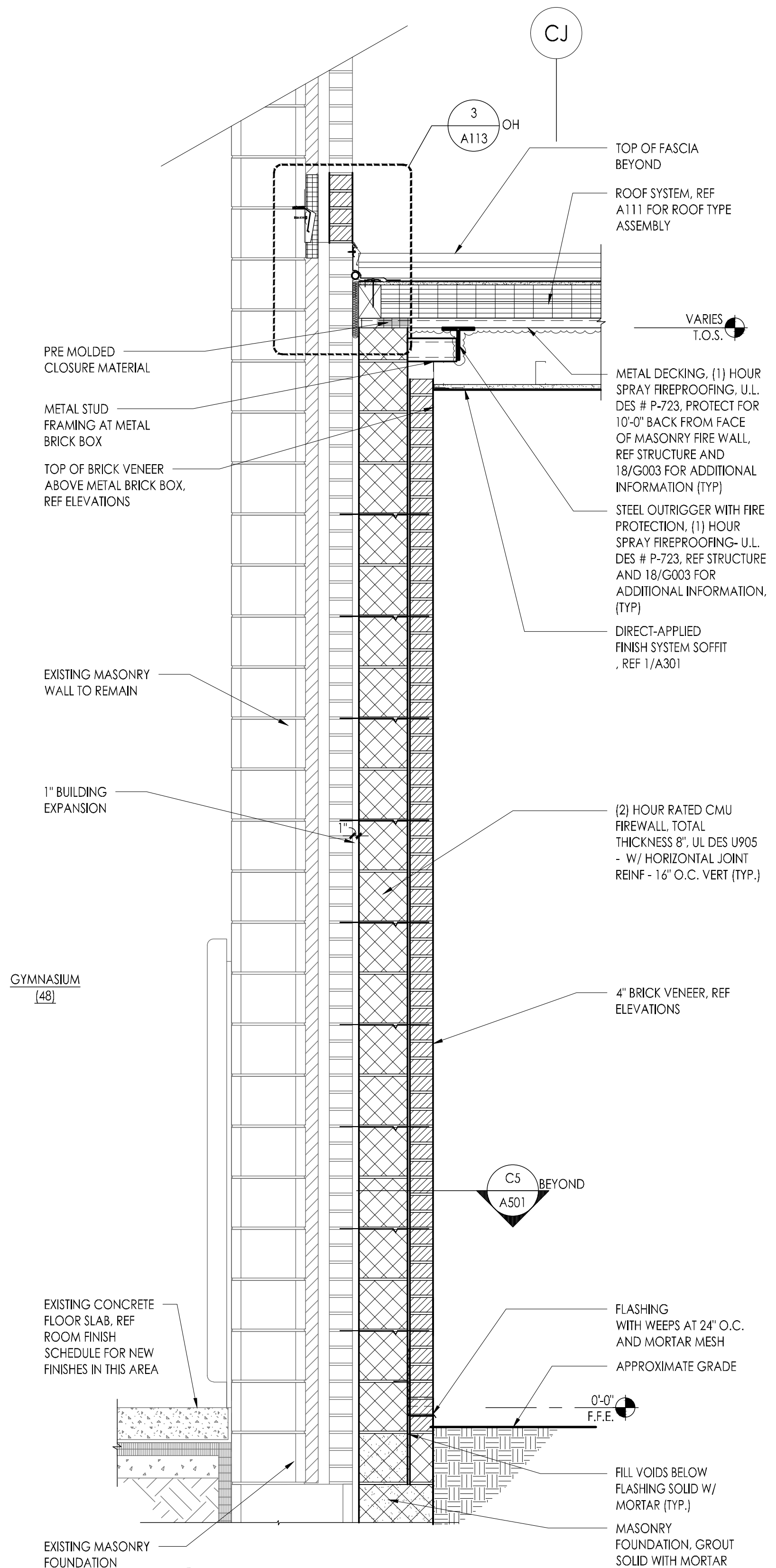
G HEAD JOINT DETAIL
Scale: 1 1/2" = 1'-0"


MASONRY WALL, REF PLAN
METAL TRACK
CMU WALL PAINTED
CONTINUOUS SEALANT, BOTH SIDES, COLOR SELECTED BY ARCHITECT
5/8" GYP BOARD PAINTED
METAL STUD FRAMING, REF WALL SECTION
1" EXPANSION
1/2"
1"

H JOINT DETAIL
Scale: 3" = 1'-0"

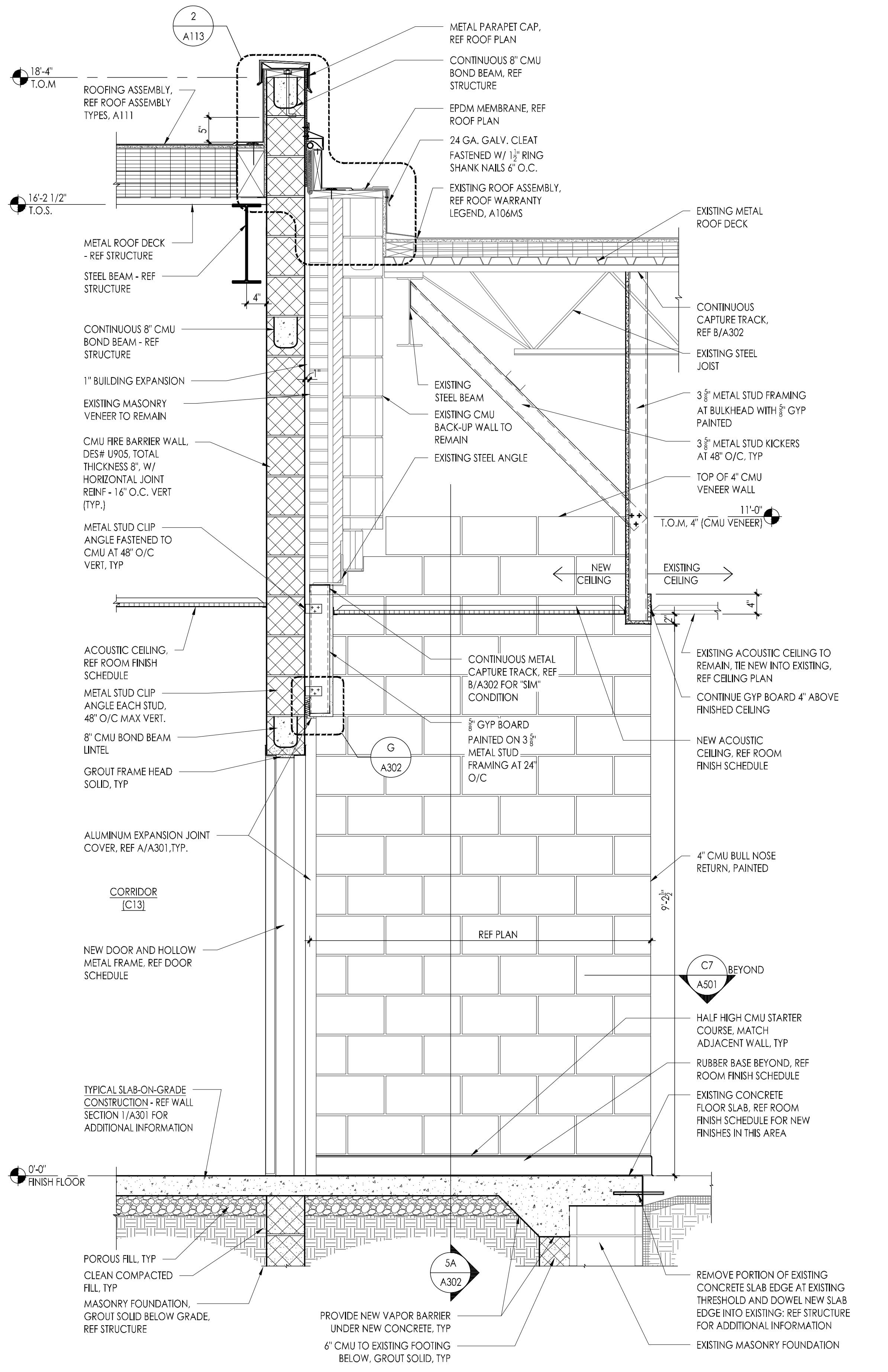

11'-0"
T.O.M, 4" (CMU VENEER)
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
GYMNASIUM (48)
CORRIDOR (C13)
4" BRICK VENEER OVER EXISTING MASONRY WITH HORIZONTAL REINFORCING AT 16" O/C, CONCAVED MASONRY JOINTS AND PAINTED (TYP)
22ga. GALVANIZE BRICK TIES FASTENED TO EXISTING WALL 16" O/C HORIZONTALLY AND VERTICALLY, TYP
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
RUBBER BASE (TYP)
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
0'-0" F.F.E.
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
EXISTING MASONRY FOUNDATION
6" CMU TO EXISTING FOOTING BELOW, GROUT SOLID, TYP

5A VENEER SECTION (CORRIDOR)
Scale: 3/4" = 1' - 0"

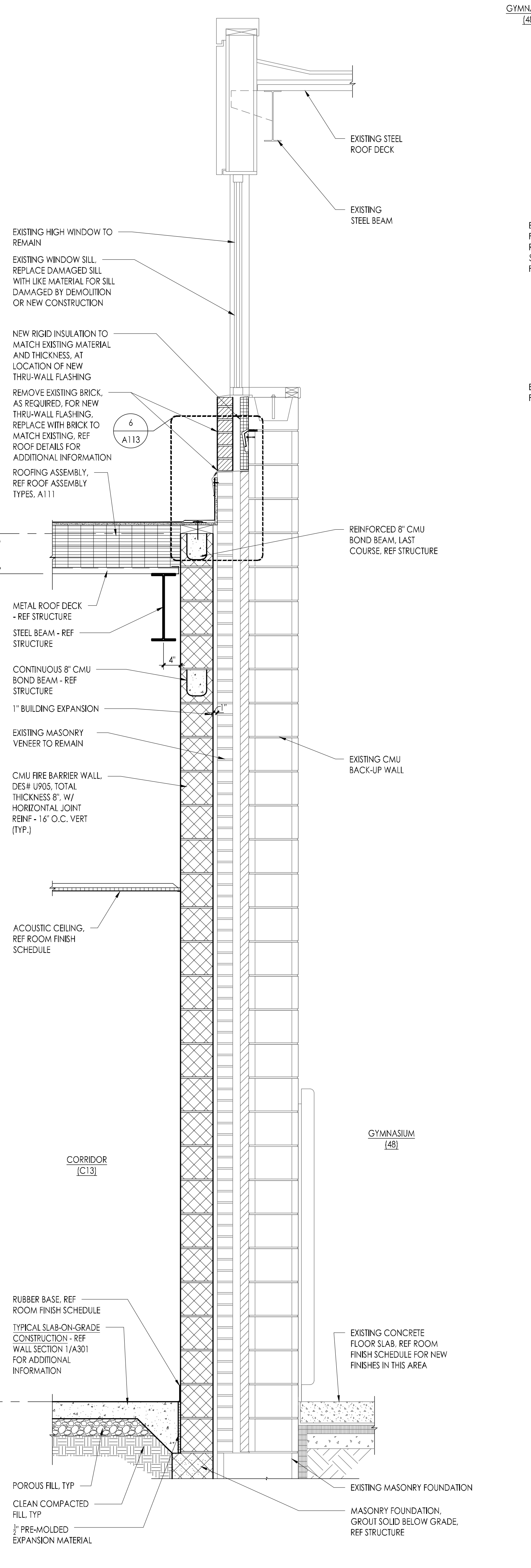

CJ
3 A113 OH
TOP OF FASCIA BEYOND
ROOF SYSTEM, REF A111 FOR ROOF TYPE ASSEMBLY
VARIES T.O.S.
PRE MOLDED CLOSURE MATERIAL
METAL STUD FRAMING AT METAL BRICK BOX
TOP OF BRICK VENEER ABOVE METAL BRICK BOX, REF ELEVATIONS
METAL DECKING, (1) HOUR SPRAY FIREPROOFING, U.L. DES # P-723, PROTECT FOR 10'-0" BACK FROM FACE OF MASONRY FIRE WALL, REF STRUCTURE AND 18/G003 FOR ADDITIONAL INFORMATION (TYP)
STEEL OUTRIGGER WITH FIRE PROTECTION, (1) HOUR SPRAY FIREPROOFING- U.L. DES # P-723, REF STRUCTURE AND 18/G003 FOR ADDITIONAL INFORMATION, (TYP)
DIRECT-APPLIED FINISH SYSTEM SOFFIT , REF 1/A301
EXISTING MASONRY WALL TO REMAIN
1" BUILDING EXPANSION
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
GYMNASIUM (48)
4" BRICK VENEER, REF ELEVATIONS
C5 A501 BEYOND
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH
APPROXIMATE GRADE
0'-0" F.F.E.
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
EXISTING MASONRY FOUNDATION
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

8A WALL SECTION (FIREWALL
Scale: 3/4" = 1' - 0"

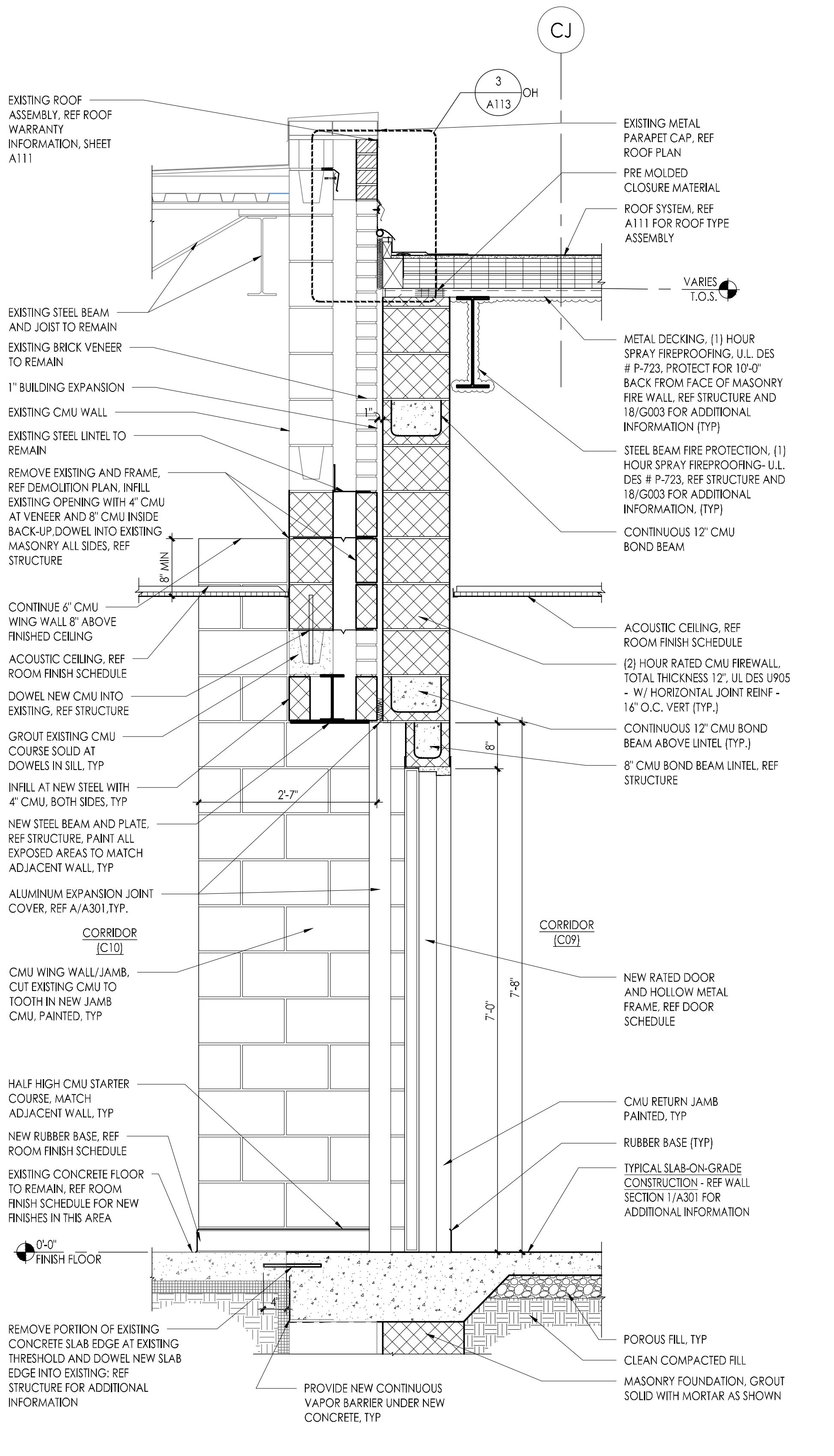
NOTE:
ALL WOOD BLOCKING SHALL BE FIRE-RETARDANT TREATED LUMBER (TYPICAL)


2 A113
18'-4" T.O.M
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
5"
16'-2 1/2" T.O.S.
METAL ROOF DECK - REF STRUCTURE
STEEL BEAM - REF STRUCTURE
4"
CONTINUOUS 8" CMU BOND BEAM - REF STRUCTURE
1" BUILDING EXPANSION
EXISTING MASONRY VENEER TO REMAIN
CMU FIRE BARRIER WALL, DES# U905, TOTAL THICKNESS 8", W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
METAL STUD CLIP ANGLE FASTENED TO CMU AT 48" O/C VERT, TYP
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
METAL STUD CLIP ANGLE EACH STUD, 48" O/C MAX VERT.
8" CMU BOND BEAM LINTEL
GROUT FRAME HEAD SOLID, TYP
ALUMINUM EXPANSION JOINT COVER, REF A/A301,TYP.
CORRIDOR (C13)
NEW DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
0'-0" FINISH FLOOR
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
MASONRY FOUNDATION, GROUT SOLID BELOW GRADE, REF STRUCTURE
METAL PARAPET CAP, REF ROOF PLAN
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
EPDM MEMBRANE, REF ROOF PLAN
24 GA. GALV. CLEAT FASTENED W/ 1 1/2" RING SHANK NAILS 6" O.C.
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY LEGEND, A106MS
EXISTING METAL ROOF DECK
CONTINUOUS CAPTURE TRACK, REF B/A302
EXISTING STEEL JOIST
EXISTING STEEL BEAM
EXISTING CMU BACK-UP WALL TO REMAIN
EXISTING STEEL ANGLE
3 5/8" METAL STUD FRAMING AT BULKHEAD WITH 5/8" GYP PAINTED
3 5/8" METAL STUD KICKERS AT 48" O/C, TYP
TOP OF 4" CMU VENEER WALL
11'-0" T.O.M, 4" (CMU VENEER)
NEW CEILING
EXISTING CEILING
4"
2"
CONTINUOUS METAL CAPTURE TRACK, REF B/A302 FOR "SIM" CONDITION
5/8" GYP BOARD PAINTED ON 3 5/8" METAL STUD FRAMING AT 24" O/C
G A302
EXISTING ACOUSTIC CEILING TO REMAIN, TIE NEW INTO EXISTING, REF CEILING PLAN
CONTINUE GYP BOARD 4" ABOVE FINISHED CEILING
NEW ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
4" CMU BULL NOSE RETURN, PAINTED
9'-2 1/2"
REF PLAN
C7 A501 BEYOND
HALF HIGH CMU STARTER COURSE, MATCH ADJACENT WALL, TYP
RUBBER BASE BEYOND, REF ROOM FINISH SCHEDULE
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
5A A302
PROVIDE NEW VAPOR BARRIER UNDER NEW CONCRETE, TYP
6" CMU TO EXISTING FOOTING BELOW, GROUT SOLID, TYP
REMOVE PORTION OF EXISTING CONCRETE SLAB EDGE AT EXISTING THRESHOLD AND DOWEL NEW SLAB EDGE INTO EXISTING: REF STRUCTURE FOR ADDITIONAL INFORMATION
EXISTING MASONRY FOUNDATION

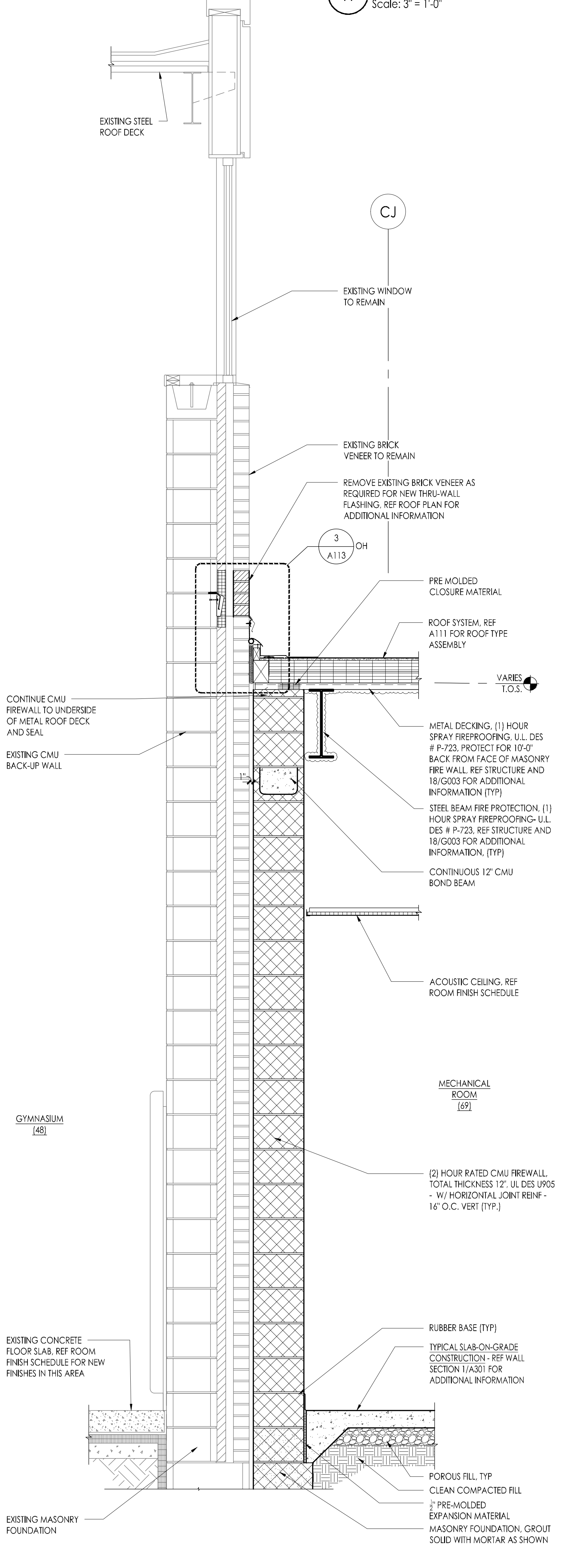
5 WALL SECTION (CORRIDOR)
Scale: 3/4" = 1' - 0"


EXISTING STEEL ROOF DECK
EXISTING STEEL BEAM
EXISTING HIGH WINDOW TO REMAIN
EXISTING WINDOW SILL, REPLACE DAMAGED SILL WITH LIKE MATERIAL FOR SILL DAMAGED BY DEMOLITION OR NEW CONSTRUCTION
NEW RIGID INSULATION TO MATCH EXISTING MATERIAL AND THICKNESS, AT LOCATION OF NEW THRU-WALL FLASHING
REMOVE EXISTING BRICK, AS REQUIRED, FOR NEW THRU-WALL FLASHING, REPLACE WITH BRICK TO MATCH EXISTING, REF ROOF DETAILS FOR ADDITIONAL INFORMATION
6 A113
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
17'-0" T.O.M
16'-2 1/2" T.O.S.
REINFORCED 8" CMU BOND BEAM, LAST COURSE, REF STRUCTURE
METAL ROOF DECK - REF STRUCTURE
STEEL BEAM - REF STRUCTURE
4"
CONTINUOUS 8" CMU BOND BEAM - REF STRUCTURE
1" BUILDING EXPANSION
EXISTING MASONRY VENEER TO REMAIN
EXISTING CMU BACK-UP WALL
CMU FIRE BARRIER WALL, DES# U905, TOTAL THICKNESS 8", W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
CORRIDOR (C13)
GYMNASIUM (48)
RUBBER BASE, REF ROOM FINISH SCHEDULE
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
0'-0" F.F.E.
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
1/2" PRE-MOLDED EXPANSION MATERIAL
EXISTING MASONRY FOUNDATION
MASONRY FOUNDATION, GROUT SOLID BELOW GRADE, REF STRUCTURE

6 WALL SECTION (CORRIDOR/GYM)
Scale: 3/4" = 1' - 0"


CJ
3 A113 OH
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY INFORMATION, SHEET A111
EXISTING METAL PARAPET CAP, REF ROOF PLAN
PRE MOLDED CLOSURE MATERIAL
ROOF SYSTEM, REF A111 FOR ROOF TYPE ASSEMBLY
VARIES T.O.S.
EXISTING STEEL BEAM AND JOIST TO REMAIN
EXISTING BRICK VENEER TO REMAIN
1" BUILDING EXPANSION
EXISTING CMU WALL
EXISTING STEEL LINTEL TO REMAIN
REMOVE EXISTING AND FRAME, REF DEMOLITION PLAN, INFILL EXISTING OPENING WITH 4" CMU AT VENEER AND 8" CMU INSIDE BACK-UP,DOWEL INTO EXISTING MASONRY ALL SIDES, REF STRUCTURE
8" MIN
CONTINUE 6" CMU WING WALL 8" ABOVE FINISHED CEILING
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
DOWEL NEW CMU INTO EXISTING, REF STRUCTURE
GROUT EXISTING CMU COURSE SOLID AT DOWELS IN SILL, TYP
INFILL AT NEW STEEL WITH 4" CMU, BOTH SIDES, TYP
NEW STEEL BEAM AND PLATE, REF STRUCTURE, PAINT ALL EXPOSED AREAS TO MATCH ADJACENT WALL, TYP
ALUMINUM EXPANSION JOINT COVER, REF A/A301,TYP.
2'-7"
CORRIDOR (C10)
CMU WING WALL/JAMB, CUT EXISTING CMU TO TOOTH IN NEW JAMB CMU, PAINTED, TYP
HALF HIGH CMU STARTER COURSE, MATCH ADJACENT WALL, TYP
NEW RUBBER BASE, REF ROOM FINISH SCHEDULE
EXISTING CONCRETE FLOOR TO REMAIN, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
0'-0" FINISH FLOOR
REMOVE PORTION OF EXISTING CONCRETE SLAB EDGE AT EXISTING THRESHOLD AND DOWEL NEW SLAB EDGE INTO EXISTING: REF STRUCTURE FOR ADDITIONAL INFORMATION
PROVIDE NEW CONTINUOUS VAPOR BARRIER UNDER NEW CONCRETE, TYP
METAL DECKING, (1) HOUR SPRAY FIREPROOFING, U.L. DES # P-723, PROTECT FOR 10'-0" BACK FROM FACE OF MASONRY FIRE WALL, REF STRUCTURE AND 18/G003 FOR ADDITIONAL INFORMATION (TYP)
STEEL BEAM FIRE PROTECTION, (1) HOUR SPRAY FIREPROOFING- U.L. DES # P-723, REF STRUCTURE AND 18/G003 FOR ADDITIONAL INFORMATION, (TYP)
CONTINUOUS 12" CMU BOND BEAM
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
CONTINUOUS 12" CMU BOND BEAM ABOVE LINTEL (TYP.)
8" CMU BOND BEAM LINTEL, REF STRUCTURE
8"
7'-0"
7'-8"
CORRIDOR (C09)
NEW RATED DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
CMU RETURN JAMB PAINTED, TYP
RUBBER BASE (TYP)
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
4"
POROUS FILL, TYP
CLEAN COMPACTED FILL
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

7 WALL SECTION (CORRIDOR/NEW ADDITION)
Scale: 3/4" = 1' - 0"


EXISTING STEEL ROOF DECK
CJ
EXISTING WINDOW TO REMAIN
EXISTING BRICK VENEER TO REMAIN
REMOVE EXISTING BRICK VENEER AS REQUIRED FOR NEW THRU-WALL FLASHING, REF ROOF PLAN FOR ADDITIONAL INFORMATION
3 A113 OH
PRE MOLDED CLOSURE MATERIAL
ROOF SYSTEM, REF A111 FOR ROOF TYPE ASSEMBLY
VARIES T.O.S.
CONTINUE CMU FIREWALL TO UNDERSIDE OF METAL ROOF DECK AND SEAL
EXISTING CMU BACK-UP WALL
METAL DECKING, (1) HOUR SPRAY FIREPROOFING, U.L. DES # P-723, PROTECT FOR 10'-0" BACK FROM FACE OF MASONRY FIRE WALL, REF STRUCTURE AND 18/G003 FOR ADDITIONAL INFORMATION (TYP)
STEEL BEAM FIRE PROTECTION, (1) HOUR SPRAY FIREPROOFING- U.L. DES # P-723, REF STRUCTURE AND 18/G003 FOR ADDITIONAL INFORMATION, (TYP)
1"
CONTINUOUS 12" CMU BOND BEAM
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
MECHANICAL ROOM (69)
GYMNASIUM (48)
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
EXISTING CONCRETE FLOOR SLAB, REF ROOM FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA
RUBBER BASE (TYP)
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
POROUS FILL, TYP
CLEAN COMPACTED FILL
1/2" PRE-MOLDED EXPANSION MATERIAL
EXISTING MASONRY FOUNDATION
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

8 WALL SECTION (GYM/MECHANICAL ROOM)
Scale: 3/4" = 1' - 0"

NJDCA Electronic Release Stamp

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Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
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NJ - 21AI01979800 | PA - RA406009
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NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By

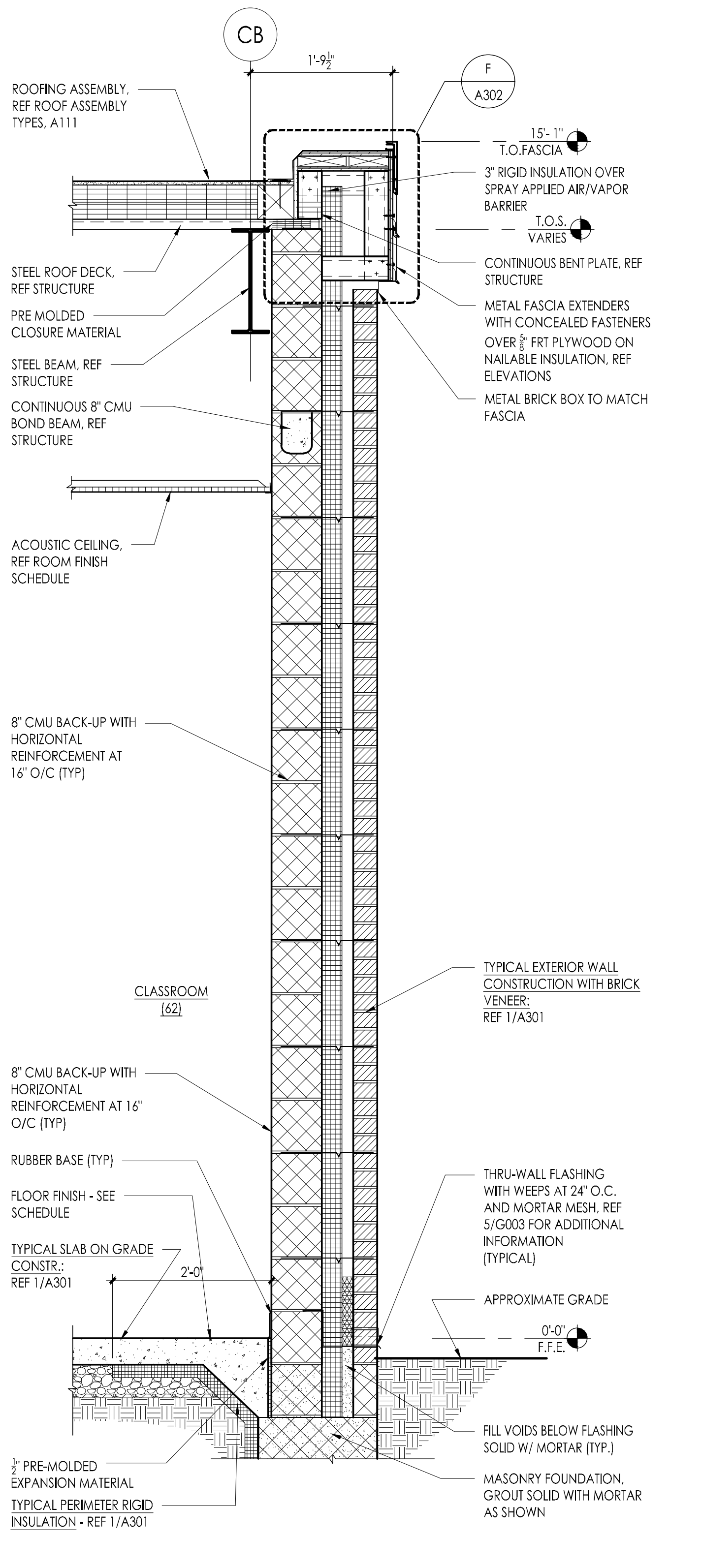
Scale
3/4"=1'-0" UNO

Drawing Name
WALL SECTIONS & DETAILS

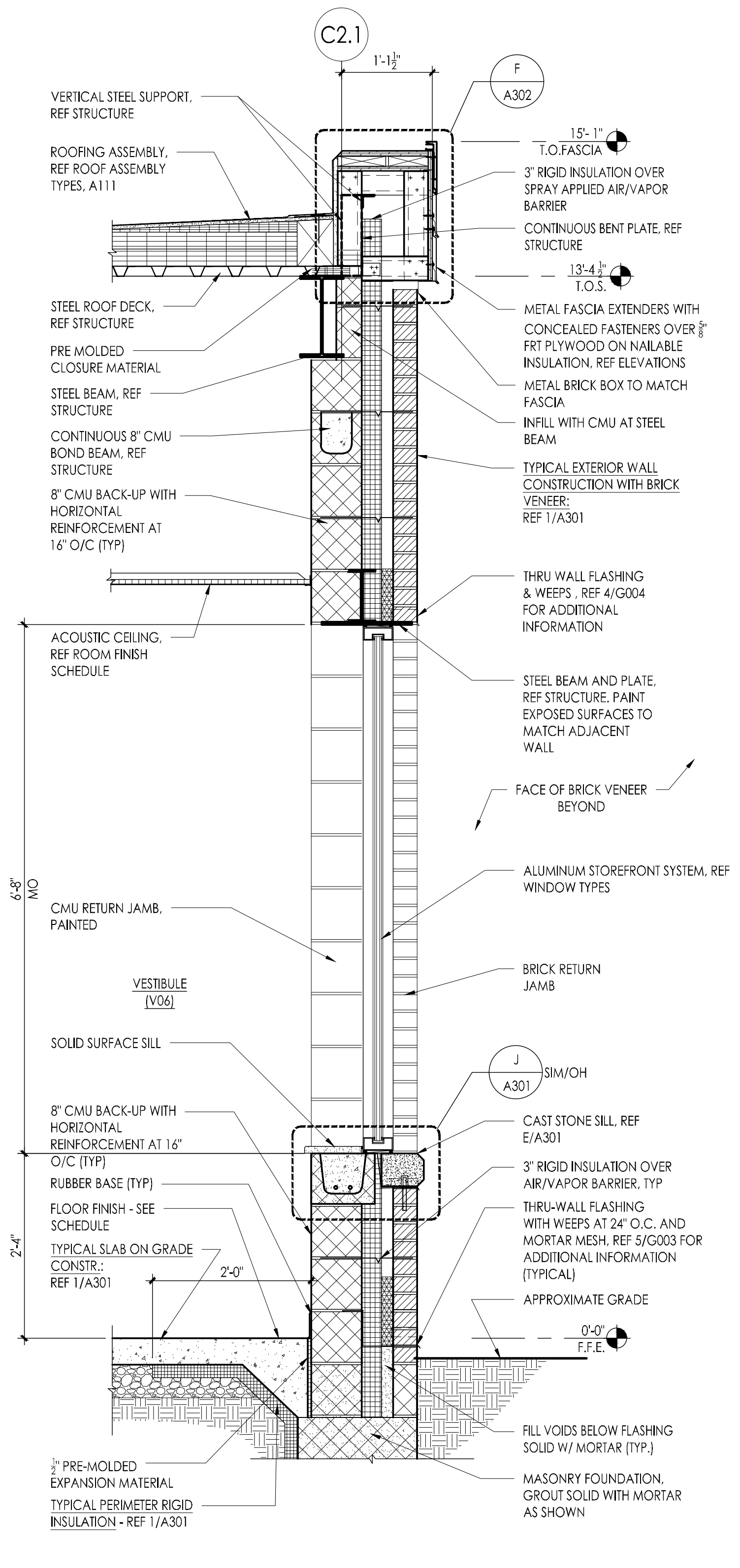
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

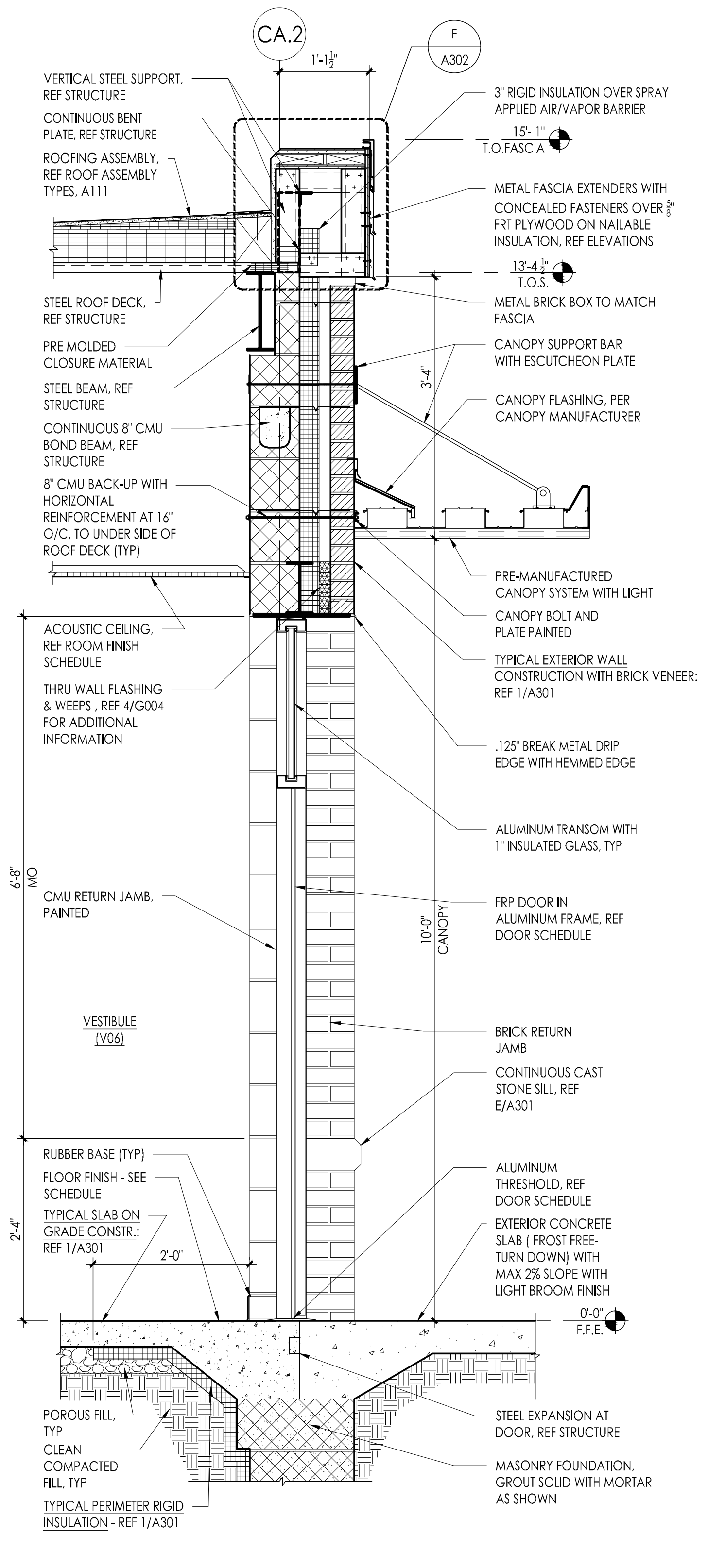
Drawing Number
A302


CB
1'-9½"
F
A302
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
15'- 1" T.O.FASCIA
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
T.O.S. VARIES
CONTINUOUS BENT PLATE, REF STRUCTURE
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER ⅝" FRT PLYWOOD ON NAILABLE INSULATION, REF ELEVATIONS
METAL BRICK BOX TO MATCH FASCIA
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
CLASSROOM (62)
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 1/A301
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
2'-0"
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
APPROXIMATE GRADE
0'-0" F.F.E.
½" PRE-MOLDED EXPANSION MATERIAL
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

13 WALL SECTION (CLASSROOM 62/EXTERIOR)
Scale: 3/4" = 1' - 0"

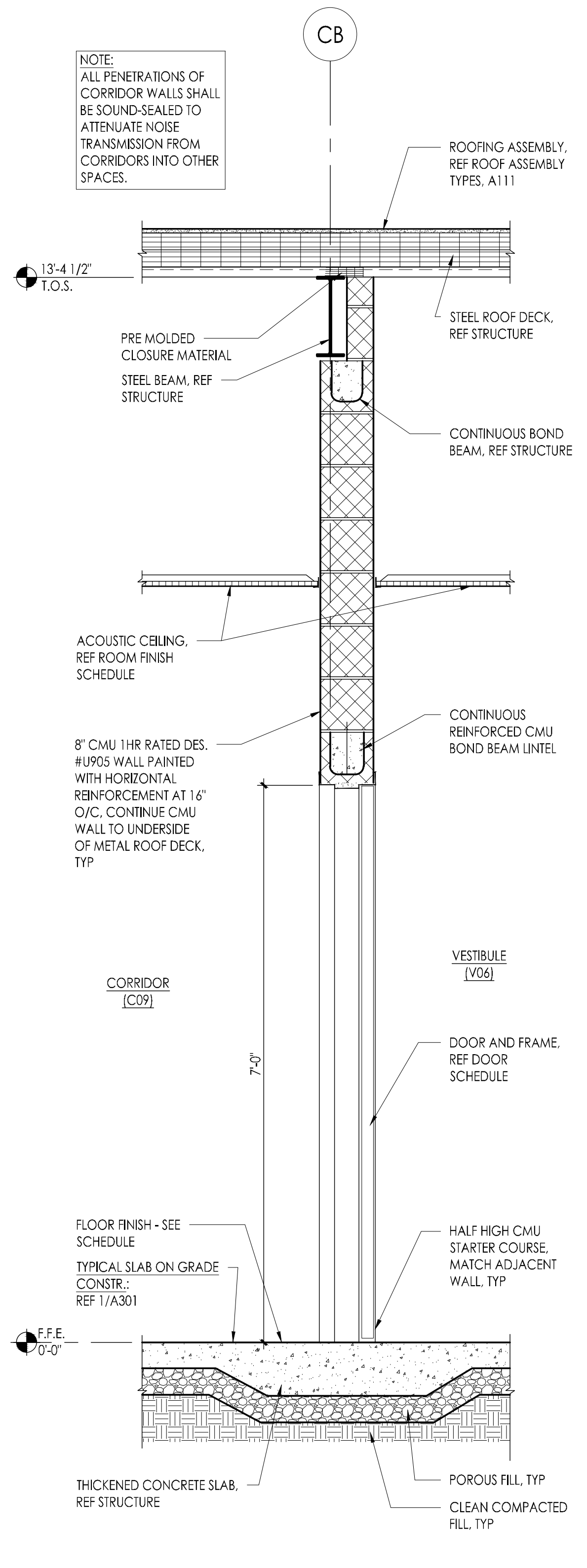

C2.1
1'-1½"
F
A302
VERTICAL STEEL SUPPORT, REF STRUCTURE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
15'- 1" T.O.FASCIA
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
CONTINUOUS BENT PLATE, REF STRUCTURE
13'-4½" T.O.S.
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER ⅝" FRT PLYWOOD ON NAILABLE INSULATION, REF ELEVATIONS
METAL BRICK BOX TO MATCH FASCIA
INFILL WITH CMU AT STEEL BEAM
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 1/A301
THRU WALL FLASHING & WEEPS , REF 4/G004 FOR ADDITIONAL INFORMATION
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
STEEL BEAM AND PLATE, REF STRUCTURE. PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
FACE OF BRICK VENEER BEYOND
6'-8" MO
ALUMINUM STOREFRONT SYSTEM, REF WINDOW TYPES
CMU RETURN JAMB, PAINTED
VESTIBULE (V06)
BRICK RETURN JAMB
SOLID SURFACE SILL
J
A301
SIM/OH
CAST STONE SILL, REF E/A301
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
3" RIGID INSULATION OVER AIR/VAPOR BARRIER, TYP
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
2'-4"
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
2'-0"
APPROXIMATE GRADE
0'-0" F.F.E.
½" PRE-MOLDED EXPANSION MATERIAL
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

14 WALL SECTION (VESTIBULE V06/EXTERIOR)
Scale: 3/4" = 1' - 0"

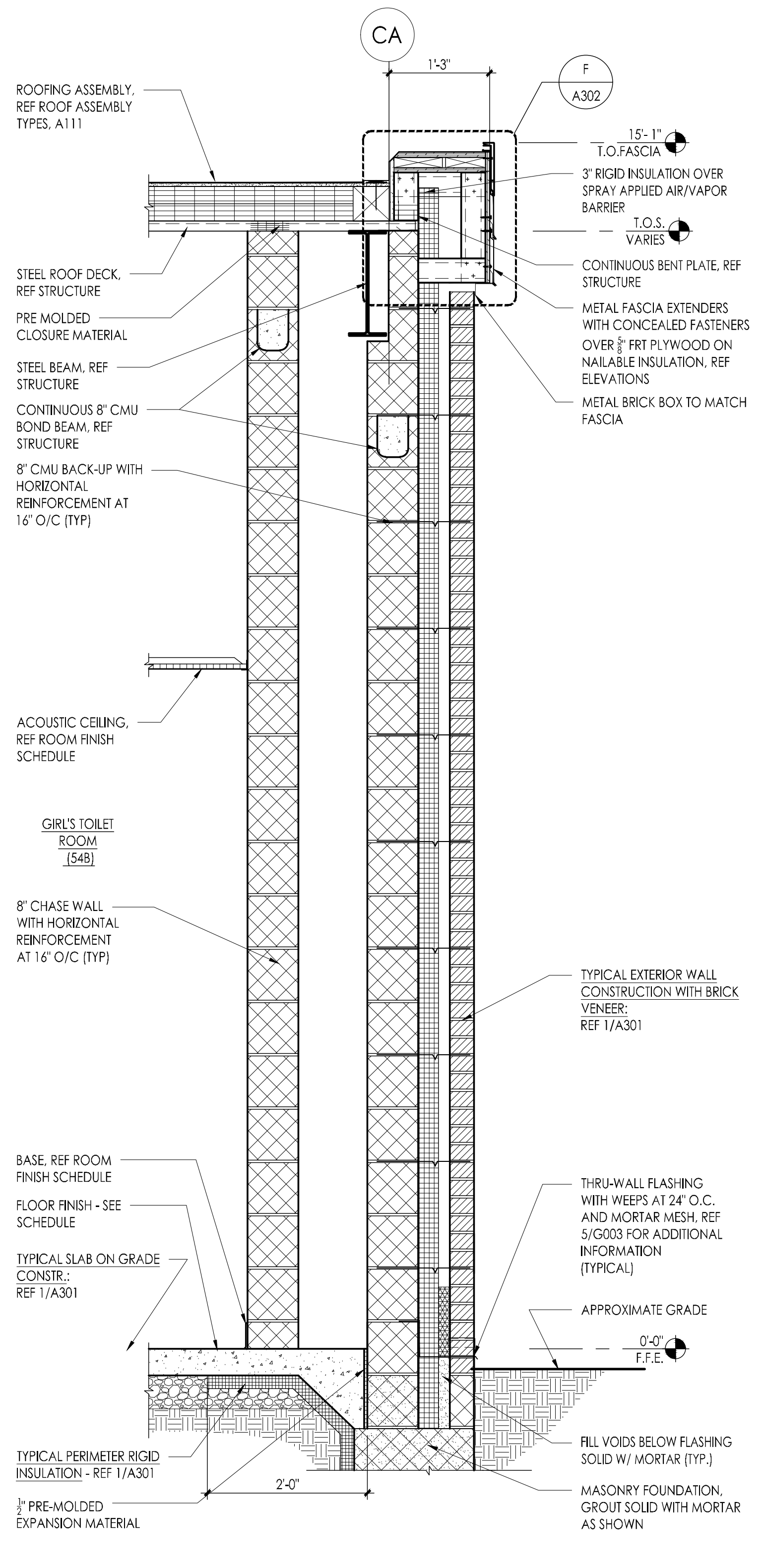

CA.2
1'-1½"
F
A302
VERTICAL STEEL SUPPORT, REF STRUCTURE
CONTINUOUS BENT PLATE, REF STRUCTURE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
15'- 1" T.O.FASCIA
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER ⅝" FRT PLYWOOD ON NAILABLE INSULATION, REF ELEVATIONS
13'-4½" T.O.S.
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C, TO UNDER SIDE OF ROOF DECK (TYP)
METAL BRICK BOX TO MATCH FASCIA
CANOPY SUPPORT BAR WITH ESCUTCHEON PLATE
3'-4"
CANOPY FLASHING, PER CANOPY MANUFACTURER
PRE-MANUFACTURED CANOPY SYSTEM WITH LIGHT
CANOPY BOLT AND PLATE PAINTED
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
THRU WALL FLASHING & WEEPS , REF 4/G004 FOR ADDITIONAL INFORMATION
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 1/A301
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP
6'-8" MO
CMU RETURN JAMB, PAINTED
FRP DOOR IN ALUMINUM FRAME, REF DOOR SCHEDULE
10'-0" CANOPY
VESTIBULE (V06)
BRICK RETURN JAMB
CONTINUOUS CAST STONE SILL, REF E/A301
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
2'-4"
2'-0"
ALUMINUM THRESHOLD, REF DOOR SCHEDULE
EXTERIOR CONCRETE SLAB (FROST FREE-TURN DOWN) WITH MAX 2% SLOPE WITH LIGHT BROOM FINISH
0'-0" F.F.E.
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301
STEEL EXPANSION AT DOOR, REF STRUCTURE
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

15 WALL SECTION (VESTIBULE V06/EXTERIOR)
Scale: 3/4" = 1' - 0"

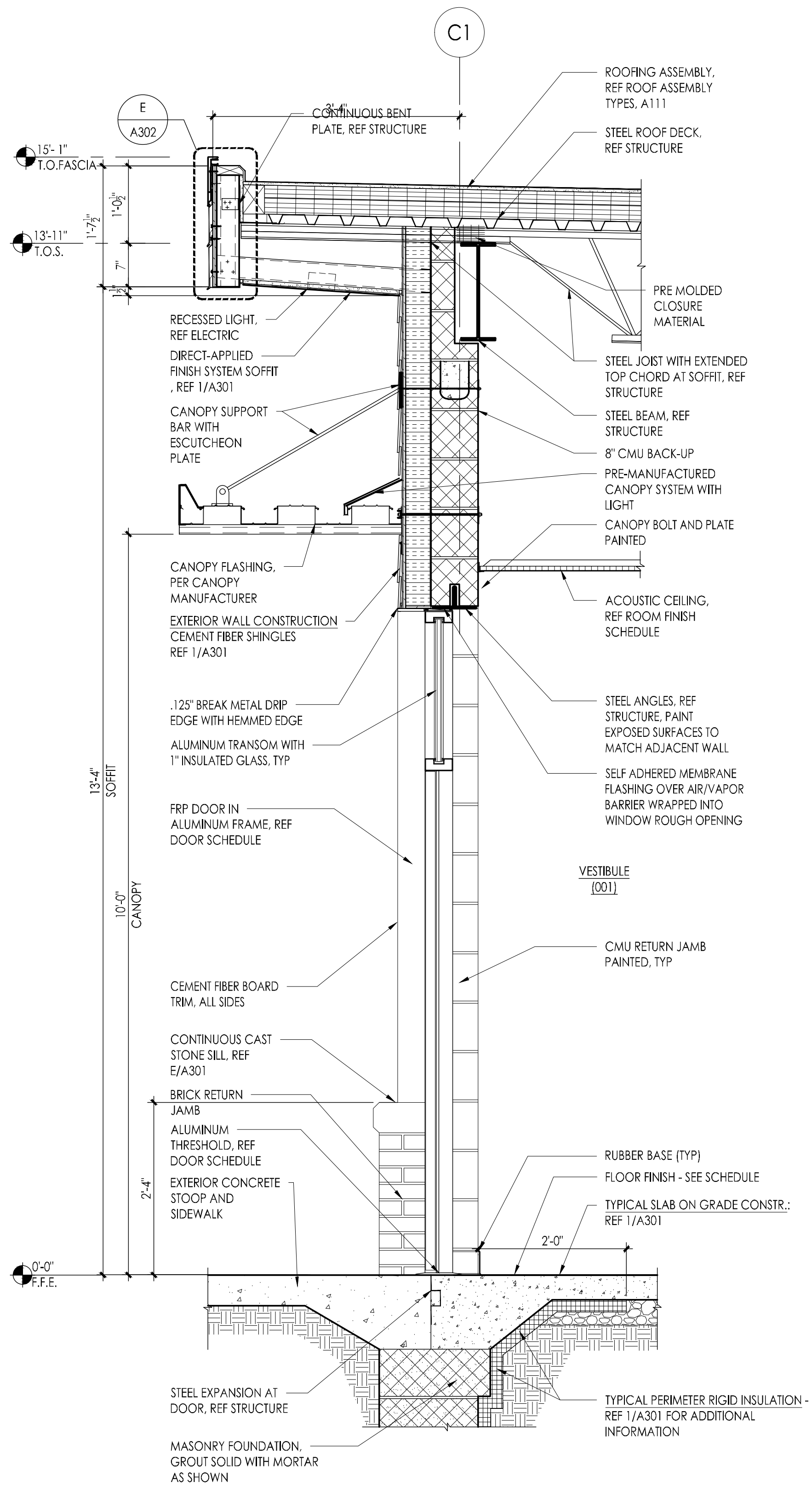
NOTE:
ALL PENETRATIONS OF CORRIDOR WALLS SHALL BE SOUND-SEALED TO ATTENUATE NOISE TRANSMISSION FROM CORRIDORS INTO OTHER SPACES.


CB
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
13'-4 1/2" T.O.S.
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
CONTINUOUS BOND BEAM, REF STRUCTURE
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
CONTINUOUS REINFORCED CMU BOND BEAM LINTEL
8" CMU 1HR RATED DES. #U905 WALL PAINTED WITH HORIZONTAL REINFORCEMENT AT 16" O/C, CONTINUE CMU WALL TO UNDERSIDE OF METAL ROOF DECK, TYP
VESTIBULE (V06)
CORRIDOR (C09)
7'-0"
DOOR AND FRAME, REF DOOR SCHEDULE
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
HALF HIGH CMU STARTER COURSE, MATCH ADJACENT WALL, TYP
F.F.E. 0'-0"
THICKENED CONCRETE SLAB, REF STRUCTURE
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP

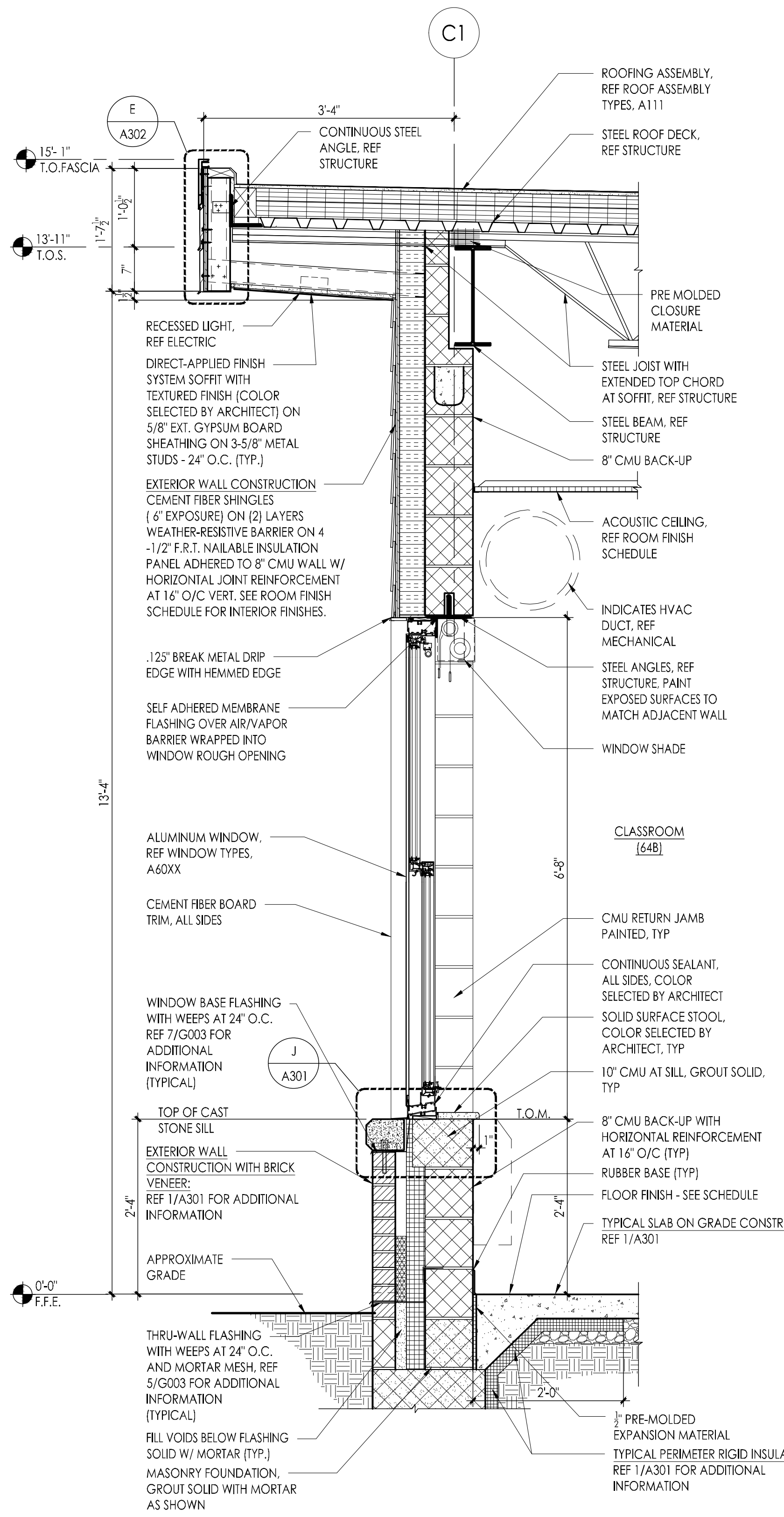
15A WALL SECTION (CORRIDOR/VESTIBULE)
Scale: 3/4" = 1' - 0"


CA
1'-3"
F
A302
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
15'- 1" T.O.FASCIA
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
T.O.S. VARIES
CONTINUOUS BENT PLATE, REF STRUCTURE
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER ⅝" FRT PLYWOOD ON NAILABLE INSULATION, REF ELEVATIONS
METAL BRICK BOX TO MATCH FASCIA
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL BEAM, REF STRUCTURE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
GIRL'S TOILET ROOM (54B)
8" CHASE WALL WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 1/A301
BASE, REF ROOM FINISH SCHEDULE
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
APPROXIMATE GRADE
0'-0" F.F.E.
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301
2'-0"
½" PRE-MOLDED EXPANSION MATERIAL
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

16 WALL SECTION (EXTERIOR/GIRLS' RM)
Scale: 3/4" = 1' - 0"

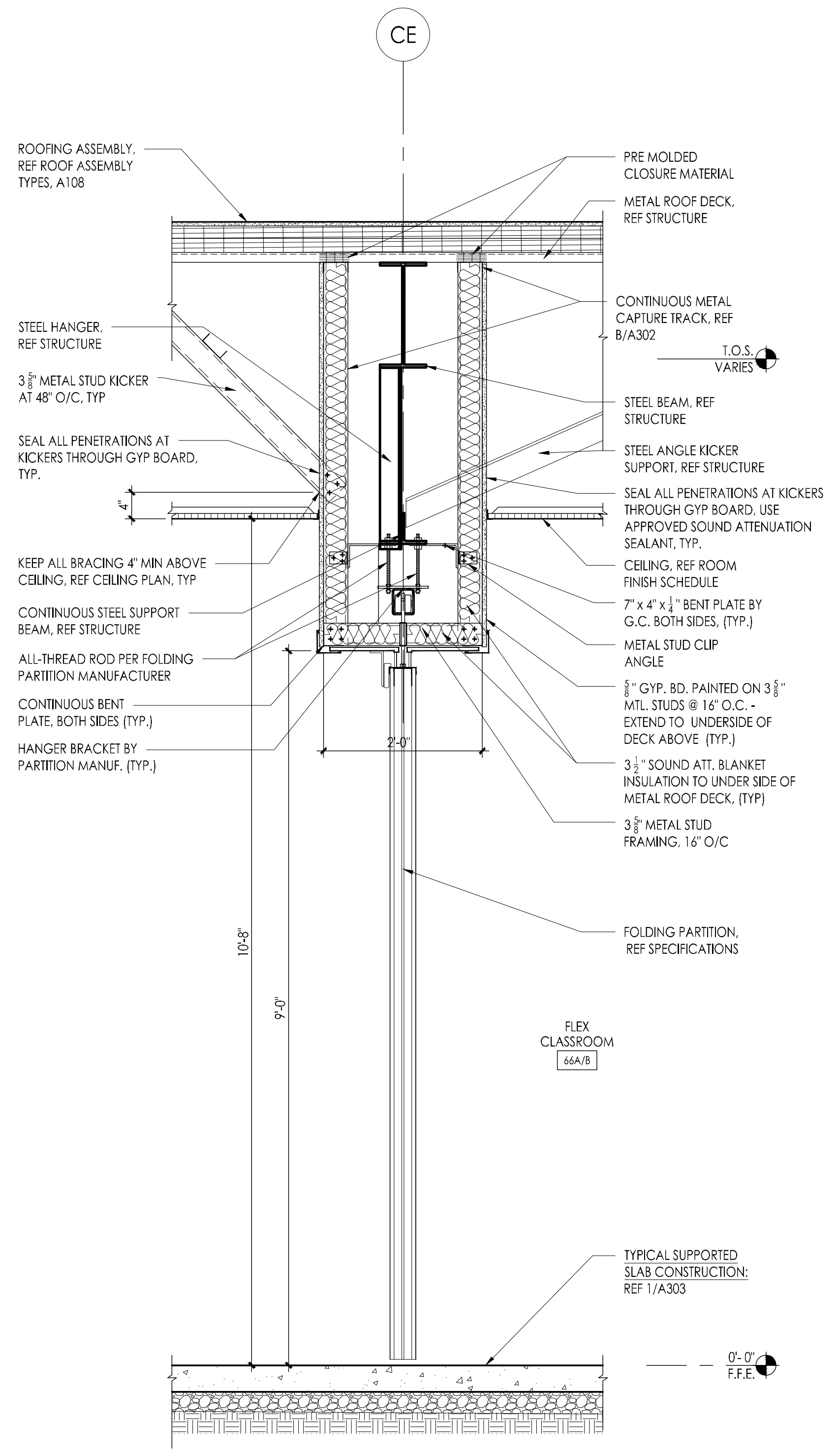

C1
E
A302
3'-4"
CONTINUOUS BENT PLATE, REF STRUCTURE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
STEEL ROOF DECK, REF STRUCTURE
15'- 1" T.O.FASCIA
13'-11" T.O.S.
1'-7½"
1'-0½"
7"
1½"
PRE MOLDED CLOSURE MATERIAL
RECESSED LIGHT, REF ELECTRIC
DIRECT-APPLIED FINISH SYSTEM SOFFIT , REF 1/A301
STEEL JOIST WITH EXTENDED TOP CHORD AT SOFFIT, REF STRUCTURE
CANOPY SUPPORT BAR WITH ESCUTCHEON PLATE
STEEL BEAM, REF STRUCTURE
8" CMU BACK-UP
PRE-MANUFACTURED CANOPY SYSTEM WITH LIGHT
CANOPY BOLT AND PLATE PAINTED
CANOPY FLASHING, PER CANOPY MANUFACTURER
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES REF 1/A301
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
STEEL ANGLES, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP
SELF ADHERED MEMBRANE FLASHING OVER AIR/VAPOR BARRIER WRAPPED INTO WINDOW ROUGH OPENING
13'-4" SOFFIT
FRP DOOR IN ALUMINUM FRAME, REF DOOR SCHEDULE
VESTIBULE (001)
10'-0" CANOPY
CMU RETURN JAMB PAINTED, TYP
CEMENT FIBER BOARD TRIM, ALL SIDES
CONTINUOUS CAST STONE SILL, REF E/A301
BRICK RETURN JAMB
ALUMINUM THRESHOLD, REF DOOR SCHEDULE
2'-4"
EXTERIOR CONCRETE STOOP AND SIDEWALK
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
2'-0"
0'-0" F.F.E.
STEEL EXPANSION AT DOOR, REF STRUCTURE
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301 FOR ADDITIONAL INFORMATION
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

9 WALL SECTION (CORRIDOR/EXTERIOR)
Scale: 3/4" = 1' - 0"

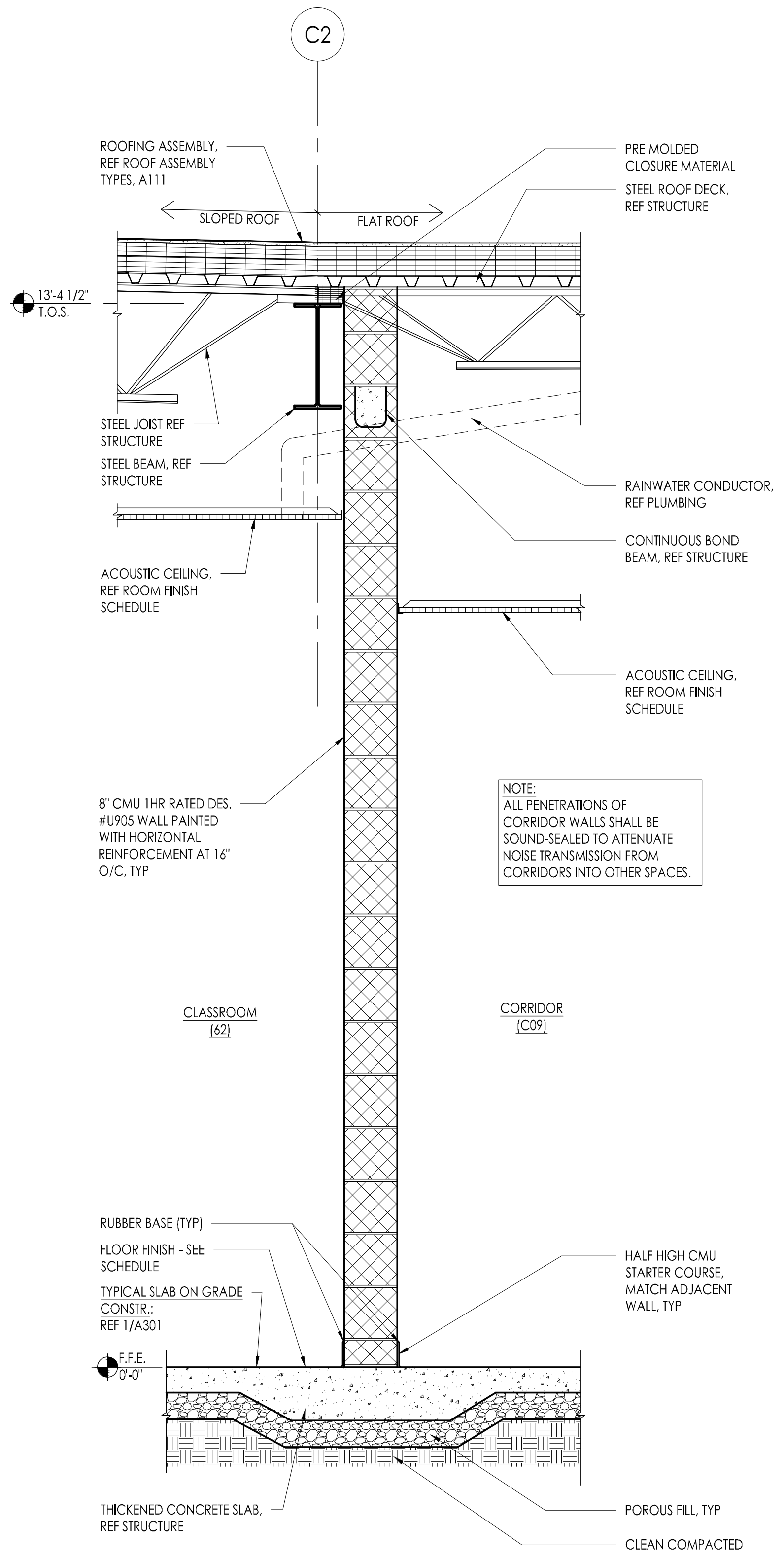

C1
E
A302
3'-4"
CONTINUOUS STEEL ANGLE, REF STRUCTURE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
STEEL ROOF DECK, REF STRUCTURE
15'- 1" T.O.FASCIA
13'-11" T.O.S.
1'-7½"
1'-0½"
7"
1½"
PRE MOLDED CLOSURE MATERIAL
RECESSED LIGHT, REF ELECTRIC
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH (COLOR SELECTED BY ARCHITECT) ON 5/8" EXT. GYPSUM BOARD SHEATHING ON 3-5/8" METAL STUDS - 24" O.C. (TYP.)
STEEL JOIST WITH EXTENDED TOP CHORD AT SOFFIT, REF STRUCTURE
STEEL BEAM, REF STRUCTURE
8" CMU BACK-UP
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES (6" EXPOSURE) ON (2) LAYERS WEATHER-RESISTIVE BARRIER ON 4 -1/2" F.R.T. NAILABLE INSULATION PANEL ADHERED TO 8" CMU WALL W/ HORIZONTAL JOINT REINFORCEMENT AT 16" O/C VERT. SEE ROOM FINISH SCHEDULE FOR INTERIOR FINISHES.
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
INDICATES HVAC DUCT, REF MECHANICAL
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
STEEL ANGLES, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
SELF ADHERED MEMBRANE FLASHING OVER AIR/VAPOR BARRIER WRAPPED INTO WINDOW ROUGH OPENING
WINDOW SHADE
13'-4"
CLASSROOM (64B)
ALUMINUM WINDOW, REF WINDOW TYPES, A60XX
6'-8"
CEMENT FIBER BOARD TRIM, ALL SIDES
CMU RETURN JAMB PAINTED, TYP
CONTINUOUS SEALANT, ALL SIDES, COLOR SELECTED BY ARCHITECT
WINDOW BASE FLASHING WITH WEEPS AT 24" O.C. REF 7/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
SOLID SURFACE STOOL, COLOR SELECTED BY ARCHITECT, TYP
J
A301
10" CMU AT SILL, GROUT SOLID, TYP
TOP OF CAST STONE SILL
T.O.M.
1"
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C (TYP)
EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 1/A301 FOR ADDITIONAL INFORMATION
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
2'-4"
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
APPROXIMATE GRADE
0'-0" F.F.E.
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
2'-0"
½" PRE-MOLDED EXPANSION MATERIAL
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYP.)
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301 FOR ADDITIONAL INFORMATION
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN

10 WALL SECTION (EXTERIOR/CLASSROOM 64B)
Scale: 3/4" = 1' - 0"

NOTE:
ALL WOOD BLOCKING AND PLYWOOD SHEATHING WILL BE FIRE RETARDANT TREATED LUMBER.


CE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A108
PRE MOLDED CLOSURE MATERIAL
METAL ROOF DECK, REF STRUCTURE
CONTINUOUS METAL CAPTURE TRACK, REF B/A302
T.O.S. VARIES
STEEL HANGER, REF STRUCTURE
3⅝" METAL STUD KICKER AT 48" O/C, TYP
STEEL BEAM, REF STRUCTURE
STEEL ANGLE KICKER SUPPORT, REF STRUCTURE
SEAL ALL PENETRATIONS AT KICKERS THROUGH GYP BOARD, TYP.
SEAL ALL PENETRATIONS AT KICKERS THROUGH GYP BOARD, USE APPROVED SOUND ATTENUATION SEALANT, TYP.
4"
KEEP ALL BRACING 4" MIN ABOVE CEILING, REF CEILING PLAN, TYP
CEILING, REF ROOM FINISH SCHEDULE
CONTINUOUS STEEL SUPPORT BEAM, REF STRUCTURE
7" x 4" x ¼" BENT PLATE BY G.C. BOTH SIDES, (TYP.)
ALL-THREAD ROD PER FOLDING PARTITION MANUFACTURER
METAL STUD CLIP ANGLE
CONTINUOUS BENT PLATE, BOTH SIDES (TYP.)
⅝" GYP. BD. PAINTED ON 3⅝" MTL. STUDS @ 16" O.C. - EXTEND TO UNDERSIDE OF DECK ABOVE (TYP.)
HANGER BRACKET BY PARTITION MANUF. (TYP.)
2'-0"
3½" SOUND ATT. BLANKET INSULATION TO UNDER SIDE OF METAL ROOF DECK, (TYP)
3⅝" METAL STUD FRAMING, 16" O/C
FOLDING PARTITION, REF SPECIFICATIONS
10'-8"
9'-0"
FLEX CLASSROOM
66A/B
TYPICAL SUPPORTED SLAB CONSTRUCTION: REF 1/A303
0'- 0" F.F.E.

11 WALL SECTION (CLASSROOM 64A/B)
Scale: 3/4" = 1' - 0"


C2
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
SLOPED ROOF
FLAT ROOF
PRE MOLDED CLOSURE MATERIAL
STEEL ROOF DECK, REF STRUCTURE
13'-4 1/2" T.O.S.
STEEL JOIST REF STRUCTURE
STEEL BEAM, REF STRUCTURE
RAINWATER CONDUCTOR, REF PLUMBING
CONTINUOUS BOND BEAM, REF STRUCTURE
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
8" CMU 1HR RATED DES. #U905 WALL PAINTED WITH HORIZONTAL REINFORCEMENT AT 16" O/C, TYP
NOTE: ALL PENETRATIONS OF CORRIDOR WALLS SHALL BE SOUND-SEALED TO ATTENUATE NOISE TRANSMISSION FROM CORRIDORS INTO OTHER SPACES.
CLASSROOM (62)
CORRIDOR (C09)
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR.: REF 1/A301
HALF HIGH CMU STARTER COURSE, MATCH ADJACENT WALL, TYP
F.F.E. 0'-0"
THICKENED CONCRETE SLAB, REF STRUCTURE
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP

12 WALL SECTION (CLASSROOM 62/CORRIDOR)
Scale: 3/4" = 1' - 0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
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NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

FVHD architects planners
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Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
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Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

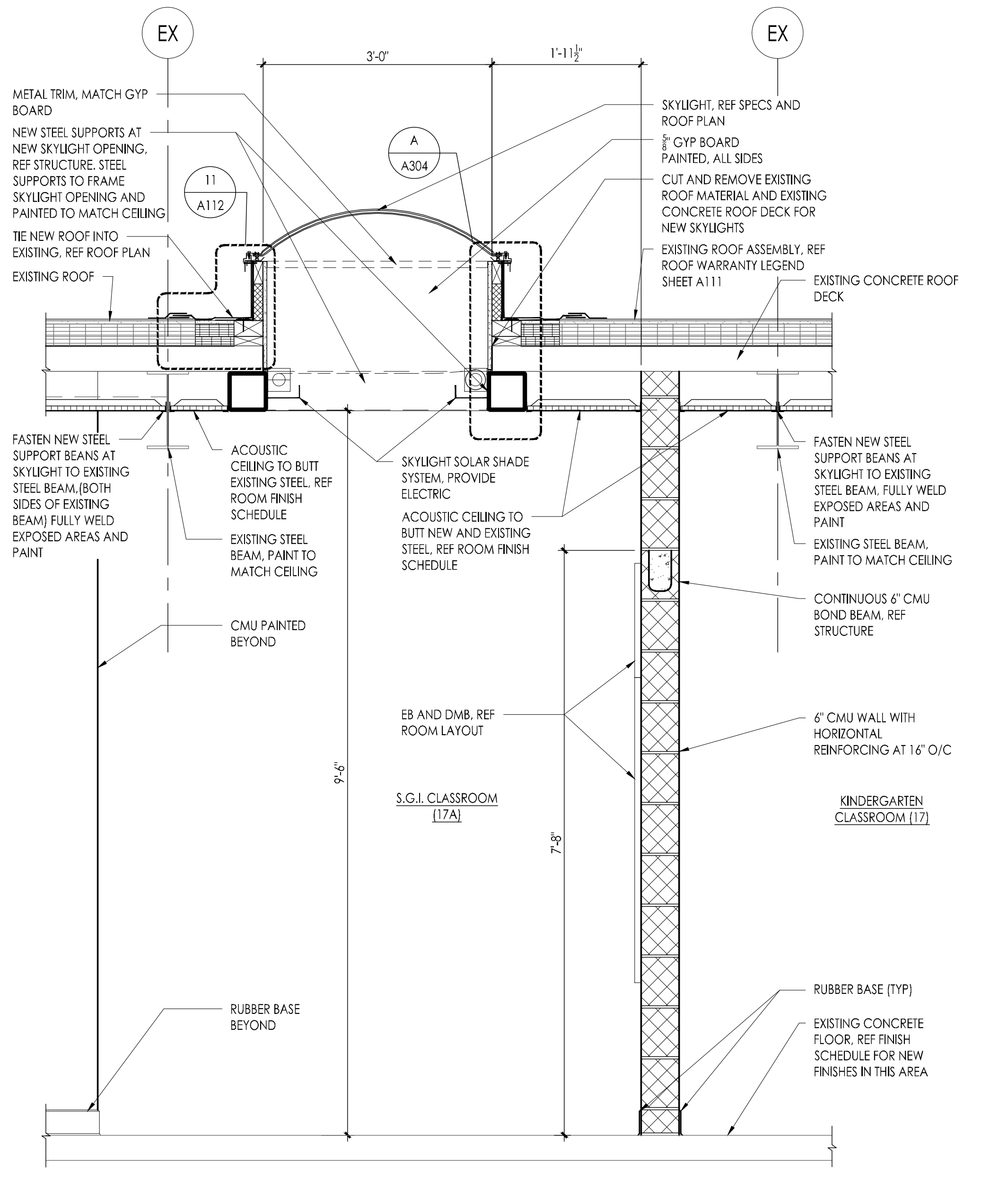
Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
BO
Scale
3/4"=1'-0" UNO

Drawing Name
WALL SECTIONS

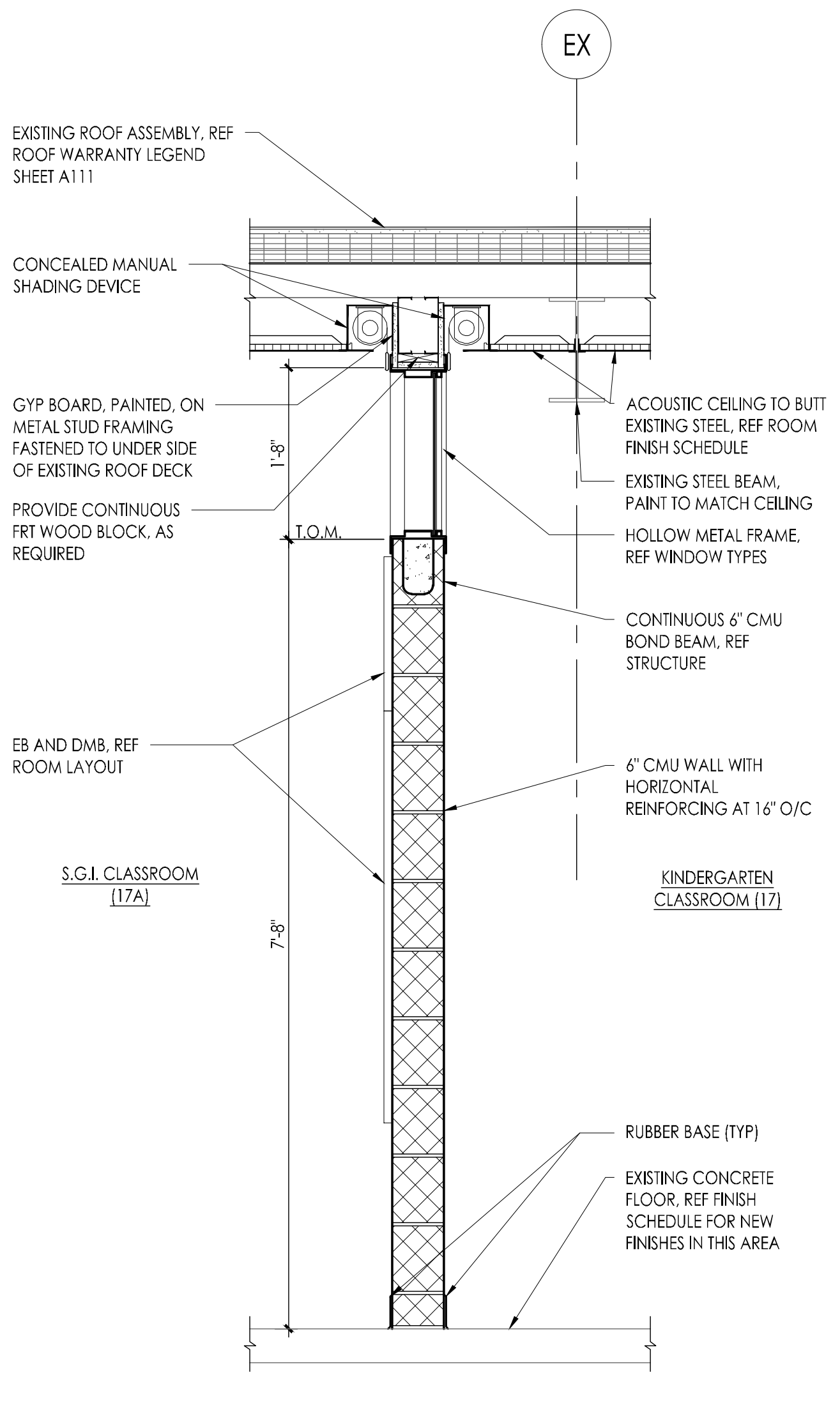
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

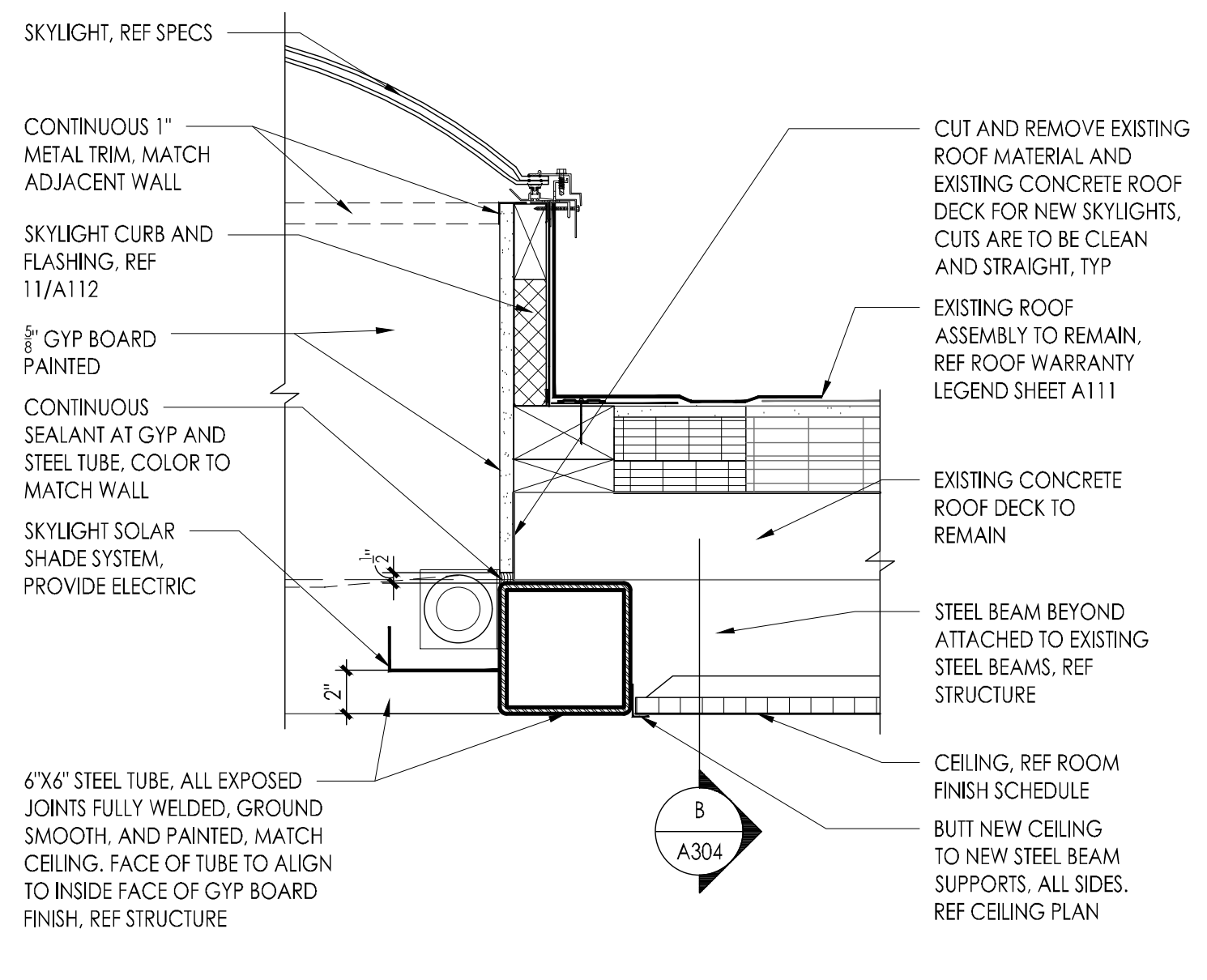
Drawing Number
A303


EX
EX
3'-0"
1'-1½"
METAL TRIM, MATCH GYP BOARD
NEW STEEL SUPPORTS AT NEW SKYLIGHT OPENING, REF STRUCTURE. STEEL SUPPORTS TO FRAME SKYLIGHT OPENING AND PAINTED TO MATCH CEILING
TIE NEW ROOF INTO EXISTING, REF ROOF PLAN
EXISTING ROOF
SKYLIGHT, REF SPECS AND ROOF PLAN
⅝" GYP BOARD PAINTED, ALL SIDES
CUT AND REMOVE EXISTING ROOF MATERIAL AND EXISTING CONCRETE ROOF DECK FOR NEW SKYLIGHTS
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY LEGEND SHEET A111
EXISTING CONCRETE ROOF DECK
FASTEN NEW STEEL SUPPORT BEAMS AT SKYLIGHT TO EXISTING STEEL BEAM (BOTH SIDES OF EXISTING BEAM) FULLY WELD EXPOSED AREAS AND PAINT
ACOUSTIC CEILING TO BUTT EXISTING STEEL, REF ROOM FINISH SCHEDULE
EXISTING STEEL BEAM, PAINT TO MATCH CEILING
SKYLIGHT SOLAR SHADE SYSTEM, PROVIDE ELECTRIC
ACOUSTIC CEILING TO BUTT NEW AND EXISTING STEEL, REF ROOM FINISH SCHEDULE
FASTEN NEW STEEL SUPPORT BEAMS AT SKYLIGHT TO EXISTING STEEL BEAM, FULLY WELD EXPOSED AREAS AND PAINT
EXISTING STEEL BEAM, PAINT TO MATCH CEILING
CONTINUOUS 6" CMU BOND BEAM, REF STRUCTURE
CMU PAINTED BEYOND
EB AND DMB, REF ROOM LAYOUT
6" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O/C
S.G.I. CLASSROOM (17A)
KINDERGARTEN CLASSROOM (17)
RUBBER BASE BEYOND
RUBBER BASE (TYP)
EXISTING CONCRETE FLOOR, REF FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA

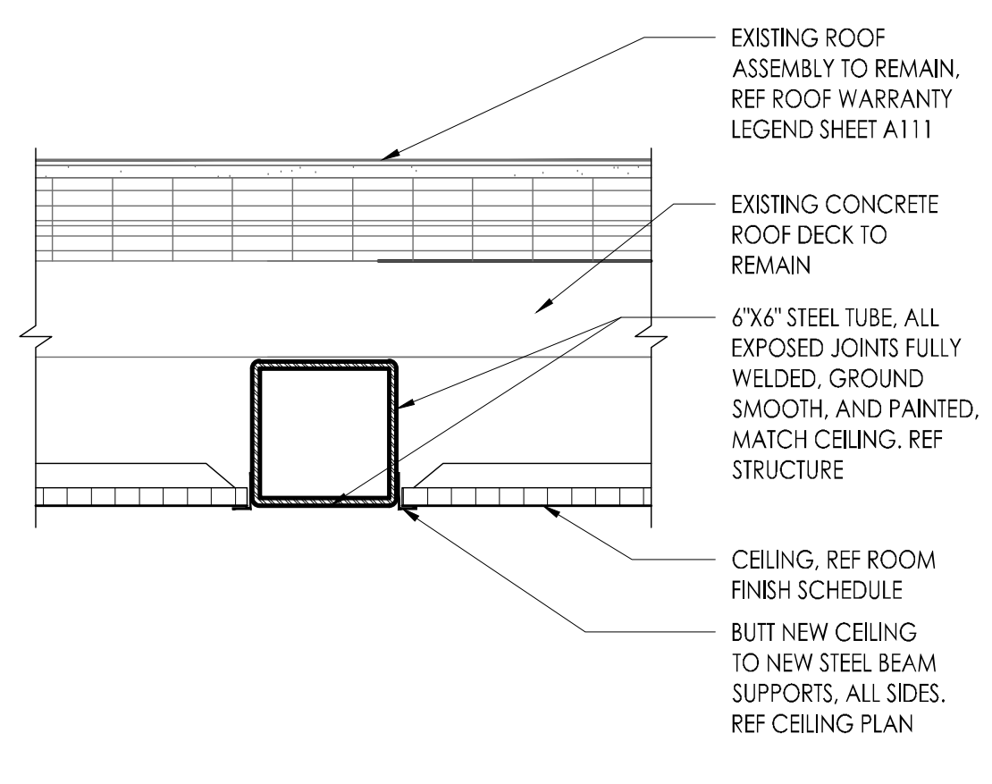
21 WALL SECTION (S.G.I. CLASSROOM 17A)
Scale: 3/4" = 1' - 0"


EX
EXISTING ROOF ASSEMBLY, REF ROOF WARRANTY LEGEND SHEET A111
CONCEALED MANUAL SHADING DEVICE
GYP BOARD, PAINTED, ON METAL STUD FRAMING FASTENED TO UNDER SIDE OF EXISTING ROOF DECK
PROVIDE CONTINUOUS FRT WOOD BLOCK, AS REQUIRED
ACOUSTIC CEILING TO BUTT EXISTING STEEL, REF ROOM FINISH SCHEDULE
EXISTING STEEL BEAM, PAINT TO MATCH CEILING
HOLLOW METAL FRAME, REF WINDOW TYPES
CONTINUOUS 6" CMU BOND BEAM, REF STRUCTURE
EB AND DMB, REF ROOM LAYOUT
6" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O/C
S.G.I. CLASSROOM (17A)
KINDERGARTEN CLASSROOM (17)
RUBBER BASE (TYP)
EXISTING CONCRETE FLOOR, REF FINISH SCHEDULE FOR NEW FINISHES IN THIS AREA

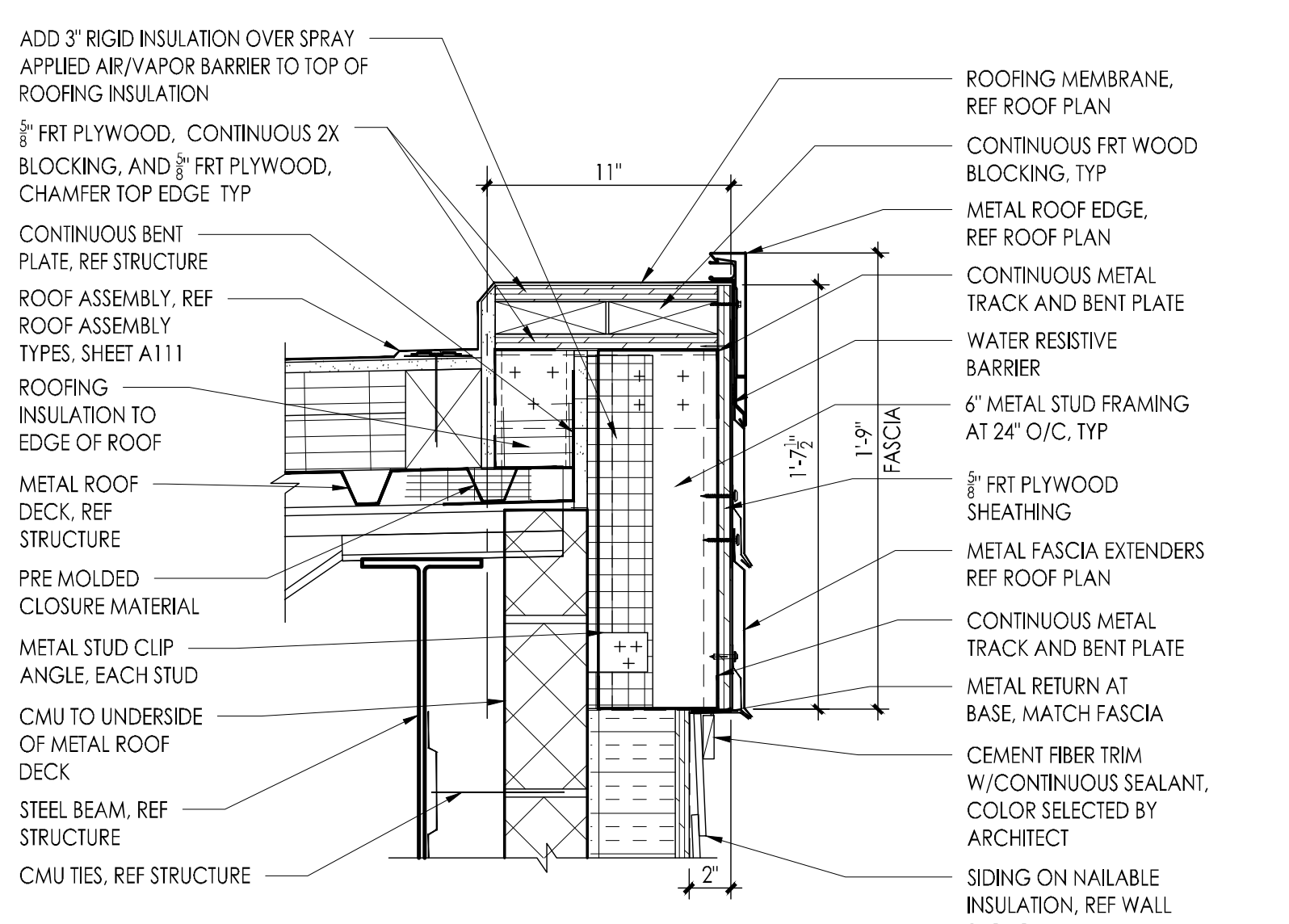
21A WALL SECTION (S.G.I. BORROWED LIGHT)
Scale: 3/4" = 1' - 0"


SKYLIGHT, REF SPECS
CONTINUOUS 1" METAL TRIM, MATCH ADJACENT WALL
SKYLIGHT CURB AND FLASHING, REF 11/A112
⅝" GYP BOARD PAINTED
CONTINUOUS SEALANT AT GYP AND STEEL TUBE, COLOR TO MATCH WALL
SKYLIGHT SOLAR SHADE SYSTEM, PROVIDE ELECTRIC
6"X6" STEEL TUBE, ALL EXPOSED JOINTS FULLY WELDED, GROUND SMOOTH, AND PAINTED, MATCH CEILING. FACE OF TUBE TO ALIGN TO INSIDE FACE OF GYP BOARD FINISH, REF STRUCTURE
CUT AND REMOVE EXISTING ROOF MATERIAL AND EXISTING CONCRETE ROOF DECK FOR NEW SKYLIGHTS. CUTS ARE TO BE CLEAN AND STRAIGHT, TYP
EXISTING ROOF ASSEMBLY TO REMAIN, REF ROOF WARRANTY LEGEND SHEET A111
EXISTING CONCRETE ROOF DECK TO REMAIN
STEEL BEAM BEYOND ATTACHED TO EXISTING STEEL BEAMS, REF STRUCTURE
CEILING, REF ROOM FINISH SCHEDULE
BUTT NEW CEILING TO NEW STEEL BEAM SUPPORTS, ALL SIDES, REF CEILING PLAN
B
A304

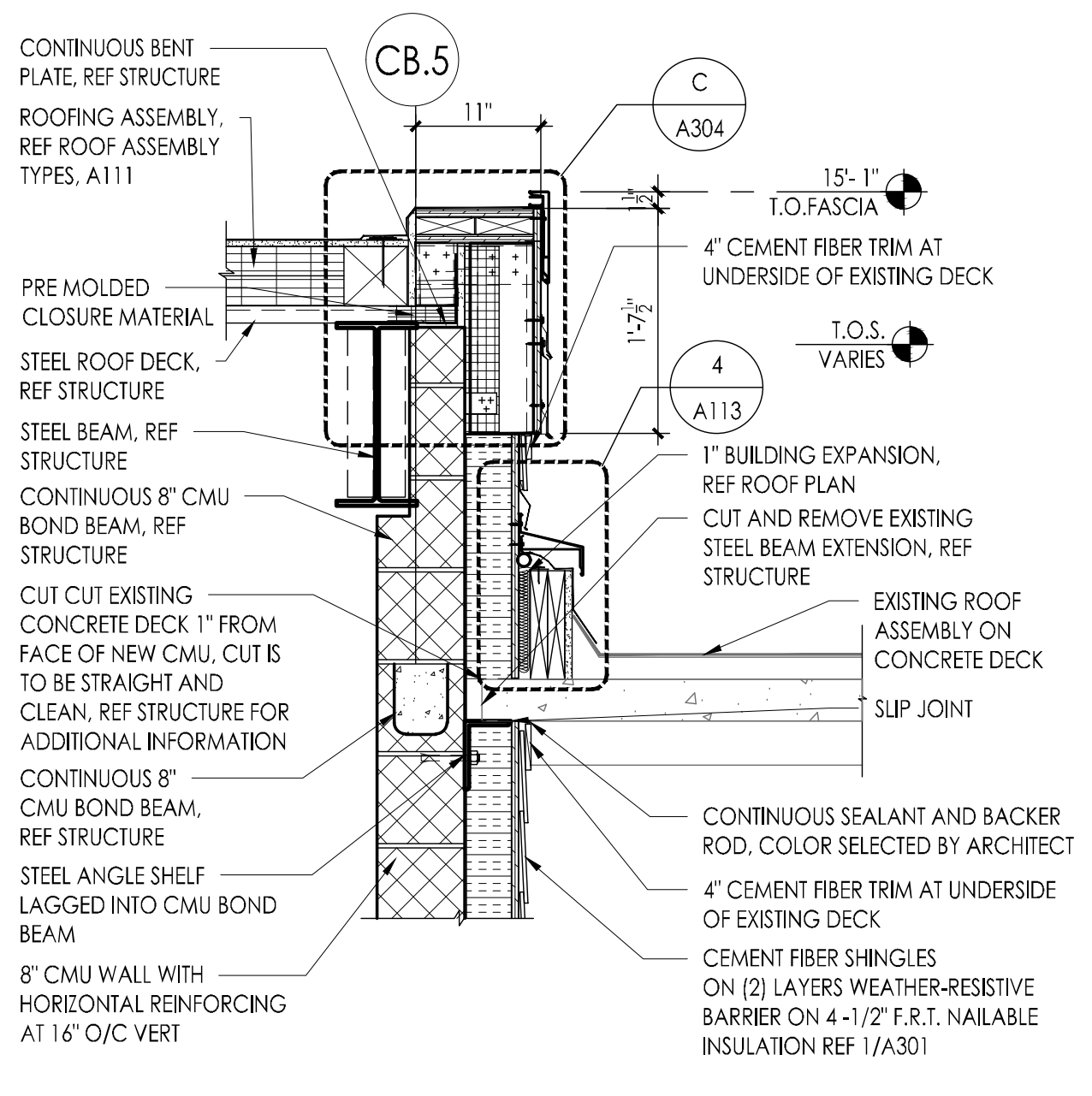
A SKYLIGHT FRAMING DETAIL (SGI 17A)
1-1/2" = 1'-0"


EXISTING ROOF ASSEMBLY TO REMAIN, REF ROOF WARRANTY LEGEND SHEET A111
EXISTING CONCRETE ROOF DECK TO REMAIN
6"X6" STEEL TUBE, ALL EXPOSED JOINTS FULLY WELDED, GROUND SMOOTH, AND PAINTED, MATCH CEILING, REF STRUCTURE
CEILING, REF ROOM FINISH SCHEDULE
BUTT NEW CEILING TO NEW STEEL BEAM SUPPORTS, ALL SIDES, REF CEILING PLAN

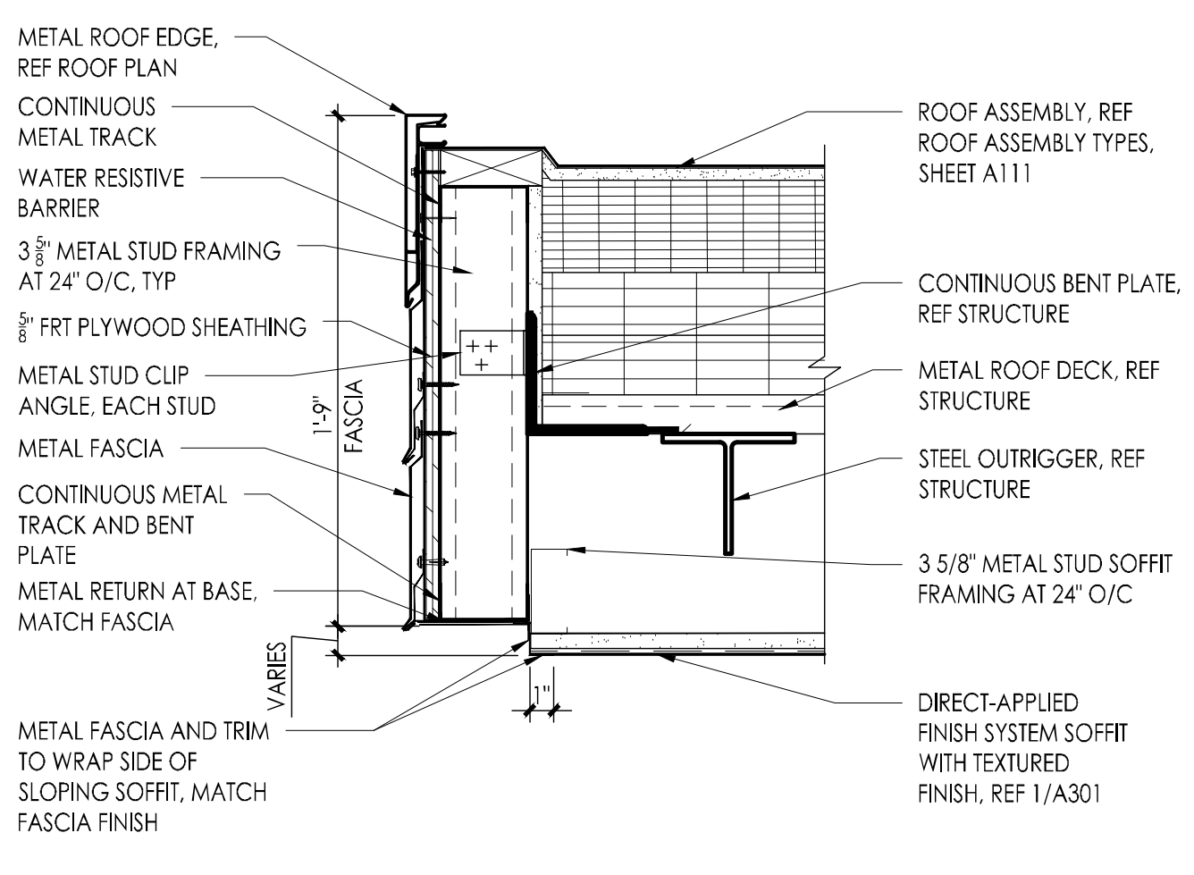
B STEEL TUBE DETAIL (SGI 17A)
1-1/2" = 1'-0"


ADD 3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER TO TOP OF ROOFING INSULATION
¾" FRT PLYWOOD, CONTINUOUS 2X BLOCKING, AND ¾" FRT PLYWOOD, CHAMFER TOP EDGE, TYP
CONTINUOUS BENT PLATE, REF STRUCTURE
ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
TAPERED INSULATION TO EDGE OF ROOF
METAL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
METAL STUD CLIP ANGLE, EACH STUD
CMU TO UNDERSIDE OF METAL ROOF DECK
STEEL BEAM, REF STRUCTURE
CMU TIES, REF STRUCTURE
ROOFING MEMBRANE, REF ROOF PLAN
CONTINUOUS FRT WOOD BLOCKING, TYP
METAL ROOF EDGE, REF 1/A112
CONTINUOUS METAL TRACK AND BENT PLATE
WATER RESISTIVE BARRIER
6" METAL STUD FRAMING AT 24" O/C, TYP
⅝" FRT PLYWOOD SHEATHING
METAL FASCIA EXTENDERS
CONTINUOUS METAL TRACK AND BENT PLATE
METAL RETURN AT BASE, MATCH FASCIA
CEMENT FIBER TRIM W/CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
SIDING ON NAILABLE INSULATION, REF WALL SECTION
11"
FASCIA

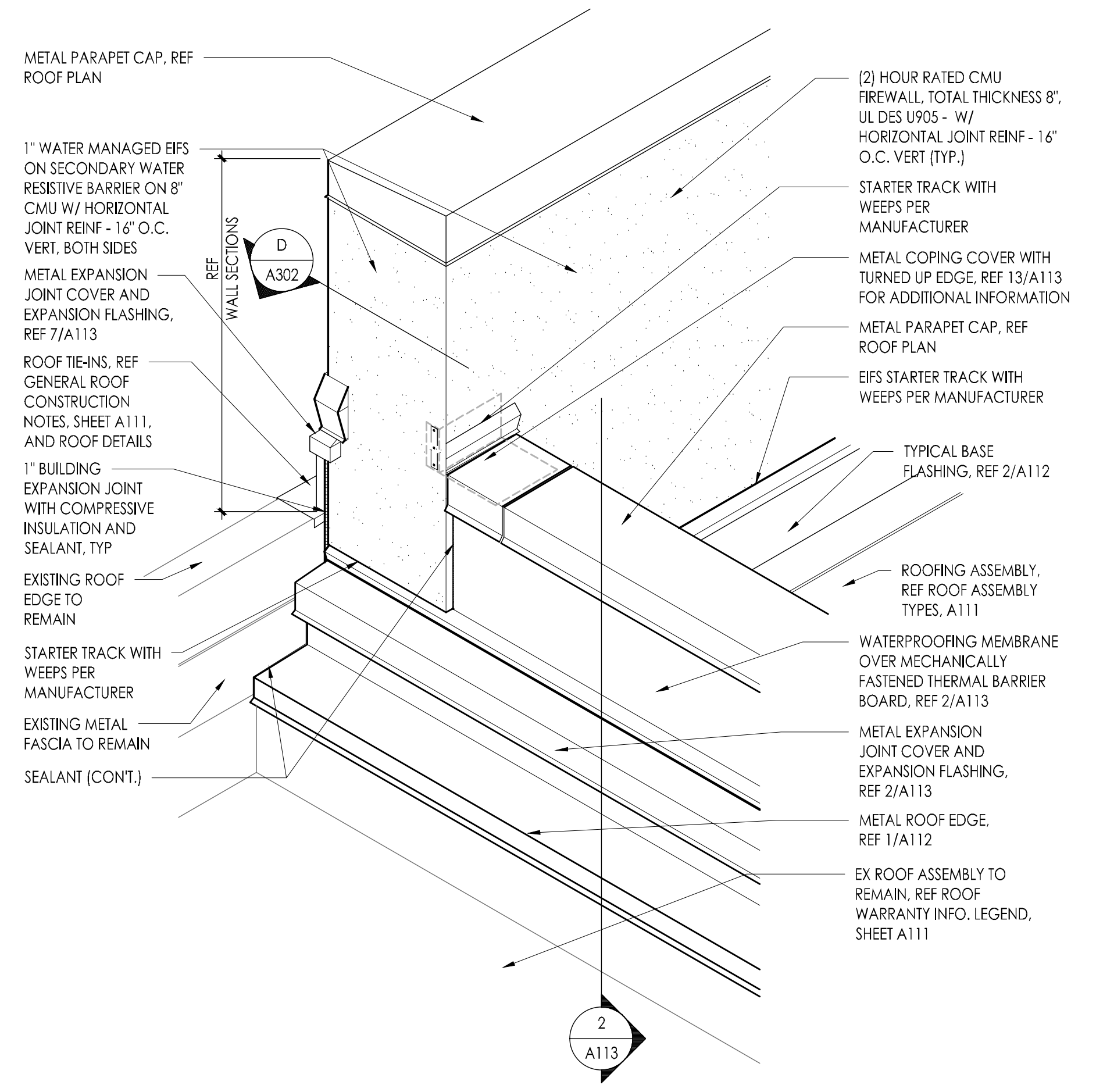
C FASCIA DETAIL (CLASSROOM)
1-1/2" = 1'-0"


CB.5
C
A304
13"
15'-3" T.O.FASCIA
T.O.S. VARIES
4
A115
CONTINUOUS BENT PLATE, REF STRUCTURE
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
PRE MOLDED CLOSURE MATERIAL
STEEL ROOF DECK, REF STRUCTURE
STEEL BEAM, REF STRUCTURE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
CUT CUT EXISTING CONCRETE DECK 1" FROM FACE OF NEW CMU, CUT IS TO BE STRAIGHT AND CLEAN, REF STRUCTURE FOR ADDITIONAL INFORMATION
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
STEEL ANGLE SHELF LAGGED INTO CMU BOND BEAM
8" CMU WALL WITH HORIZONTAL REINFORCING AT 16" O/C VERT
4" CEMENT FIBER TRIM AT UNDERSIDE OF EXISTING DECK
1" BUILDING EXPANSION, REF ROOF PLAN
CUT AND REMOVE EXISTING STEEL BEAM EXTENSION, REF STRUCTURE
EXISTING ROOF ASSEMBLY ON CONCRETE DECK
SLIP JOINT
CONTINUOUS SEALANT AND BACKER ROD, COLOR SELECTED BY ARCHITECT
4" CEMENT FIBER TRIM AT UNDERSIDE OF EXISTING DECK
CEMENT FIBER SHINGLES ON (2) LAYERS WEATHER-RESISTIVE BARRIER ON 4-1/2" F.R.T. NAILABLE INSULATION REF 1/A301

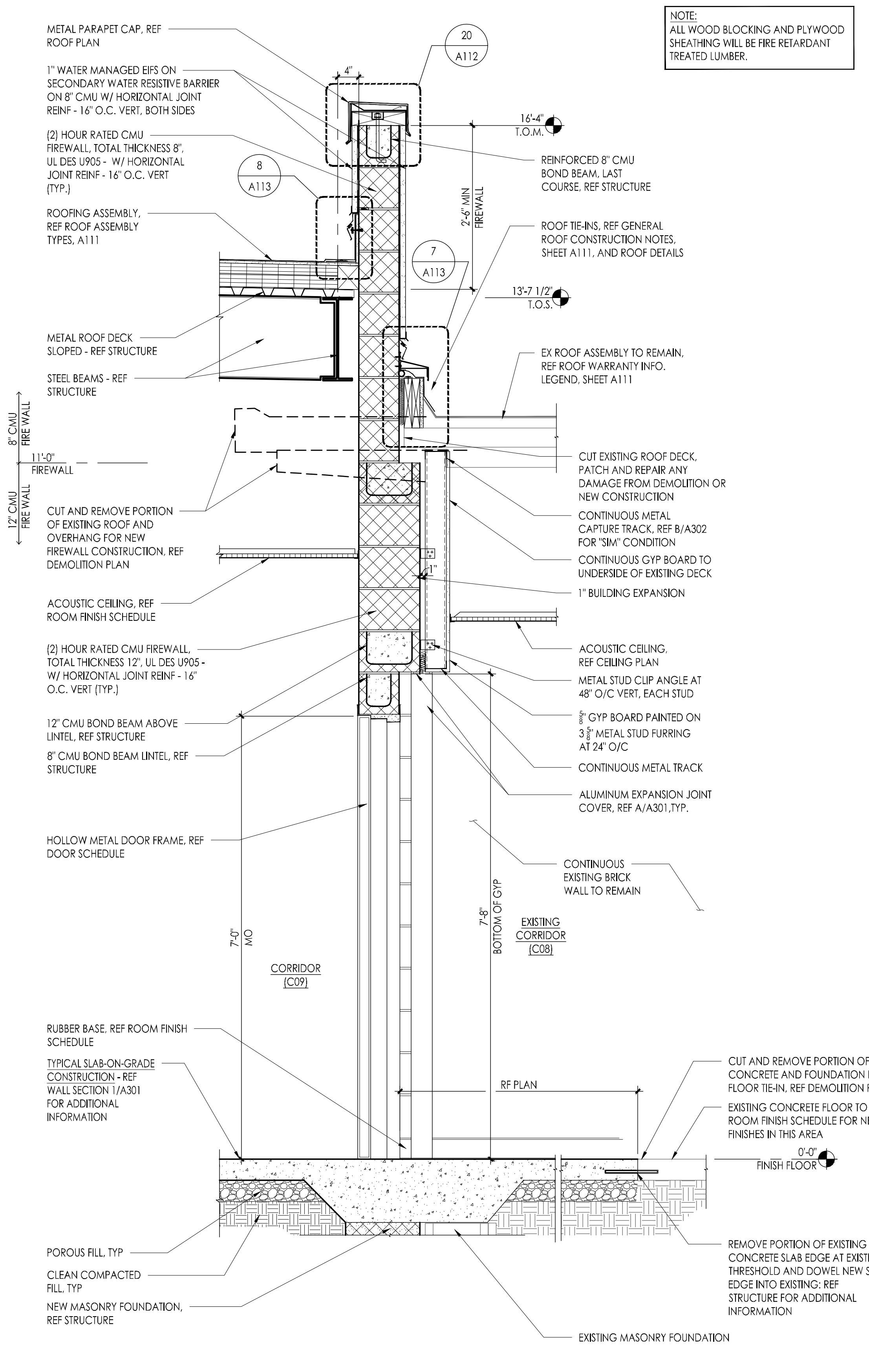
22 PARTIAL WALL SECTION
Scale: 3/4" = 1' - 0"


METAL ROOF EDGE, REF ROOF PLAN
CONTINUOUS METAL TRACK
WATER RESISTIVE BARRIER
3⅝" METAL STUD FRAMING AT 24" O/C, TYP
⅝" FRT PLYWOOD SHEATHING
METAL STUD CLIP ANGLE, EACH STUD
METAL FASCIA
CONTINUOUS METAL TRACK AND BENT PLATE
METAL RETURN AT BASE, MATCH FASCIA
METAL FASCIA AND TRIM TO WRAP SIDE OF SLOPING SOFFIT, MATCH FASCIA FINISH
ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES, SHEET A111
CONTINUOUS BENT PLATE, REF STRUCTURE
METAL ROOF DECK, REF STRUCTURE
STEEL OUTRIGGER, REF STRUCTURE
3-5/8" METAL STUD SOFFIT FRAMING AT 24" O/C
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH, REF 1/A301
FASCIA
VARIES

D FASCIA/SOFFIT TRIM DETAIL
1-1/2" = 1'-0"

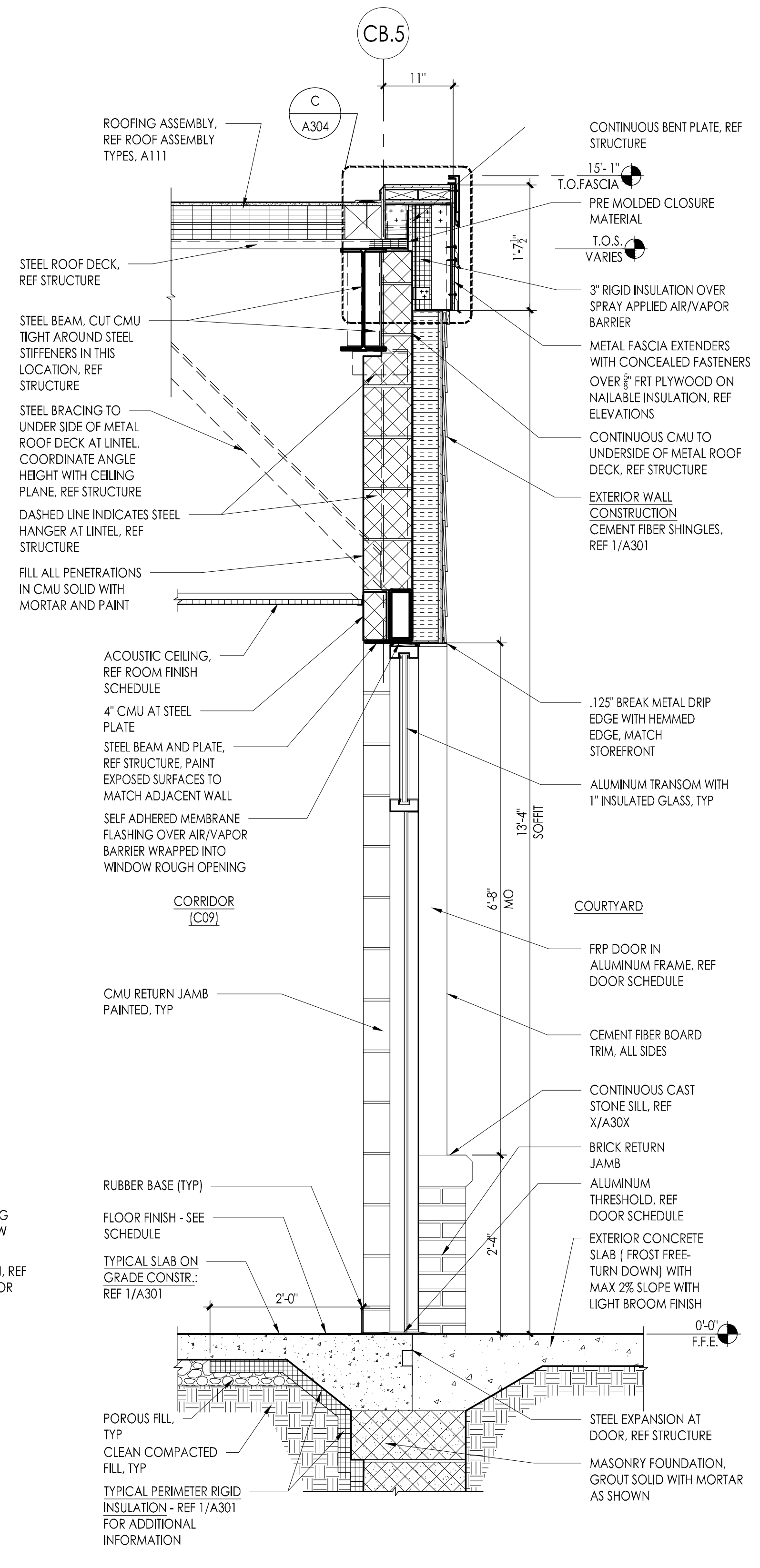

METAL PARAPET CAP, REF ROOF PLAN
1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER ON 8" CMU W/ HORIZONTAL JOINT REINF - 16" O.C. VERT, BOTH SIDES
METAL EXPANSION JOINT COVER AND EXPANSION FLASHING, REF 7/A113
ROOF TIE-INS, REF GENERAL ROOF CONSTRUCTION NOTES, SHEET A111, AND ROOF DETAILS
1" BUILDING EXPANSION JOINT WITH COMPRESSIVE INSULATION AND SEALANT, TYP
EXISTING ROOF EDGE TO REMAIN
STARTER TRACK WITH WEEPS PER MANUFACTURER
EXISTING METAL FASCIA TO REMAIN
SEALANT (CONT.)
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
STARTER TRACK WITH WEEPS PER MANUFACTURER
METAL COPING COVER WITH TURNED UP EDGE, REF 13/A113 FOR ADDITIONAL INFORMATION
METAL PARAPET CAP, REF ROOF PLAN
EIFS STARTER TRACK WITH WEEPS PER MANUFACTURER
TYPICAL BASE FLASHING, REF 2/A112
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
WATERPROOFING MEMBRANE OVER MECHANICALLY FASTENED THERMAL BARRIER BOARD, REF 2/A113
METAL EXPANSION JOINT COVER AND EXPANSION FLASHING, REF 2/A113
METAL ROOF EDGE, REF 1/A112
EX ROOF ASSEMBLY TO REMAIN, REF ROOF WARRANTY INFO. LEGEND, SHEET A111
D
A302
2
A113

E PARAPET DETAIL (VOCAL/MULTIPURPOSE)
Scale: 3/4" = 1' - 0"

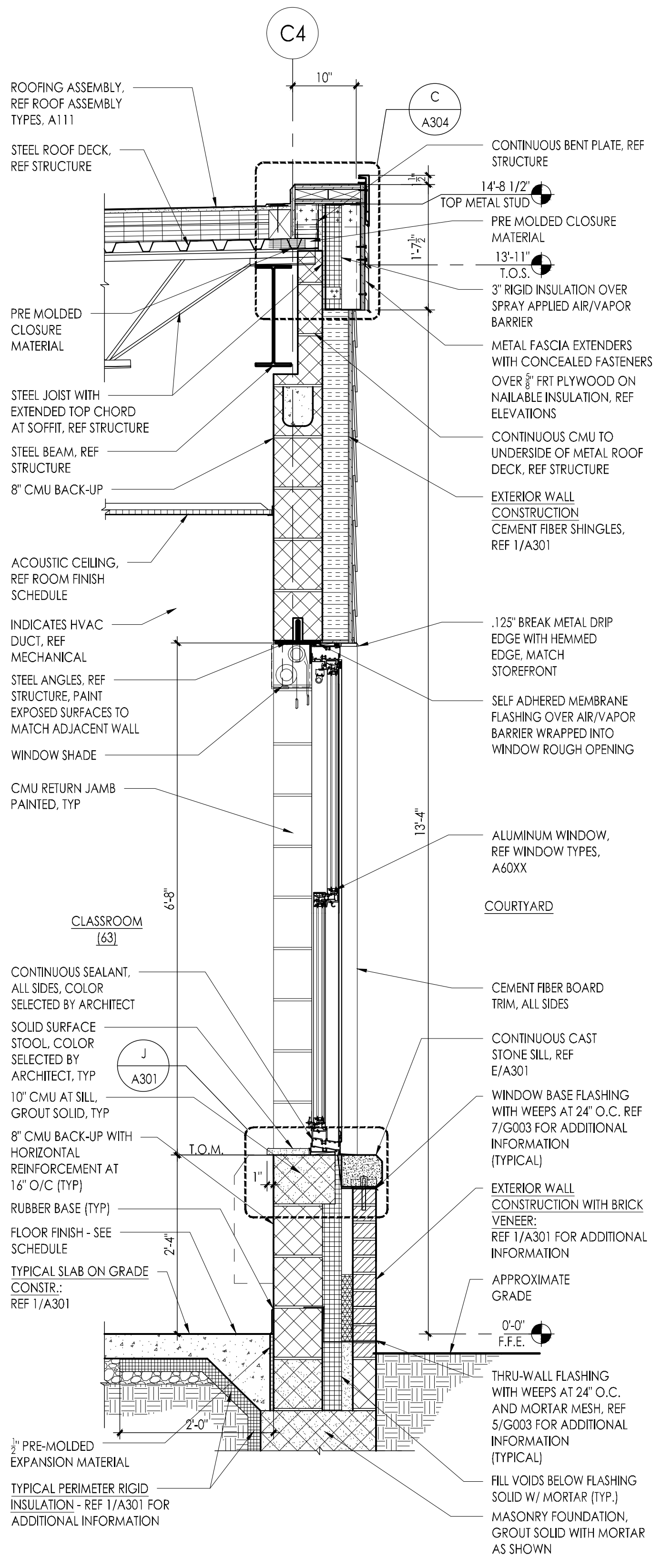

NOTE:
ALL WOOD BLOCKING AND PLYWOOD SHEATHING WILL BE FIRE RETARDANT TREATED LUMBER.

20
A112
8
A113
7
A113
METAL PARAPET CAP, REF ROOF PLAN
1" WATER MANAGED EIFS ON SECONDARY WATER RESISTIVE BARRIER ON 8" CMU W/ HORIZONTAL JOINT REINF - 16" O.C. VERT, BOTH SIDES
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 8", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
ROOF DECK SLOPED - REF STRUCTURE
STEEL BEAMS - REF STRUCTURE
CUT AND REMOVE PORTION OF EXISTING ROOF AND OVERHANG FOR NEW FIREWALL CONSTRUCTION, REF DEMOLITION PLAN
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
12" CMU BOND BEAM ABOVE LINTEL, REF STRUCTURE
8" CMU BOND BEAM LINTEL, REF STRUCTURE
HOLLOW METAL DOOR FRAME, REF DOOR SCHEDULE
16'-4" T.O.M.
REINFORCED 8" CMU BOND BEAM, LAST COURSE, REF STRUCTURE
ROOF TIE-INS, REF GENERAL ROOF CONSTRUCTION NOTES, SHEET A111, AND ROOF DETAILS
13'-7 1/2" T.O.S.
EX ROOF ASSEMBLY TO REMAIN, REF ROOF WARRANTY INFO. LEGEND, SHEET A111
CUT EXISTING ROOF DECK, PATCH AND REPAIR ANY DAMAGE FROM DEMOLITION OR NEW CONSTRUCTION
CONTINUOUS METAL CAPTURE TRACK, REF B/A302 FOR "SIM" CONDITION
CONTINUOUS GYP BOARD TO UNDERSIDE OF EXISTING DECK
1" BUILDING EXPANSION
ACOUSTIC CEILING, REF CEILING PLAN
METAL STUD CLIP ANGLE AT 48" O/C VERT, EACH STUD
⅝" GYP BOARD PAINTED ON 3⅝" METAL STUD FURRING AT 24" O/C
CONTINUOUS METAL TRACK
ALUMINUM EXPANSION JOINT COVER, REF A/A301,TYP.
CONTINUOUS EXISTING BRICK WALL TO REMAIN
EXISTING CORRIDOR (C08)
CORRIDOR (C09)
8" CMU FIREWALL
12" CMU FIREWALL
RUBBER BASE, REF ROOM FINISH SCHEDULE
TYPICAL SLAB-ON-GRADE CONSTRUCTION - REF WALL SECTION 1/A301 FOR ADDITIONAL INFORMATION
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
NEW MASONRY FOUNDATION, REF STRUCTURE
CUT AND REMOVE PORTION OF EXISTING CONCRETE AND FOUNDATION FOR NEW FLOOR TIE-IN, REF DEMOLITION PLAN
EXISTING CONCRETE FLOOR TO REMAIN, REF ROOM FINISH SCHEDULE FOR NEW FLOOR FINISHES IN THIS AREA
REMOVE PORTION OF EXISTING CONCRETE SLAB EDGE AT EXISTING THRESHOLD AND DOWEL NEW SLAB EDGE INTO EXISTING. REF STRUCTURE FOR ADDITIONAL INFORMATION
EXISTING MASONRY FOUNDATION
0'-0" FINISH FLOOR

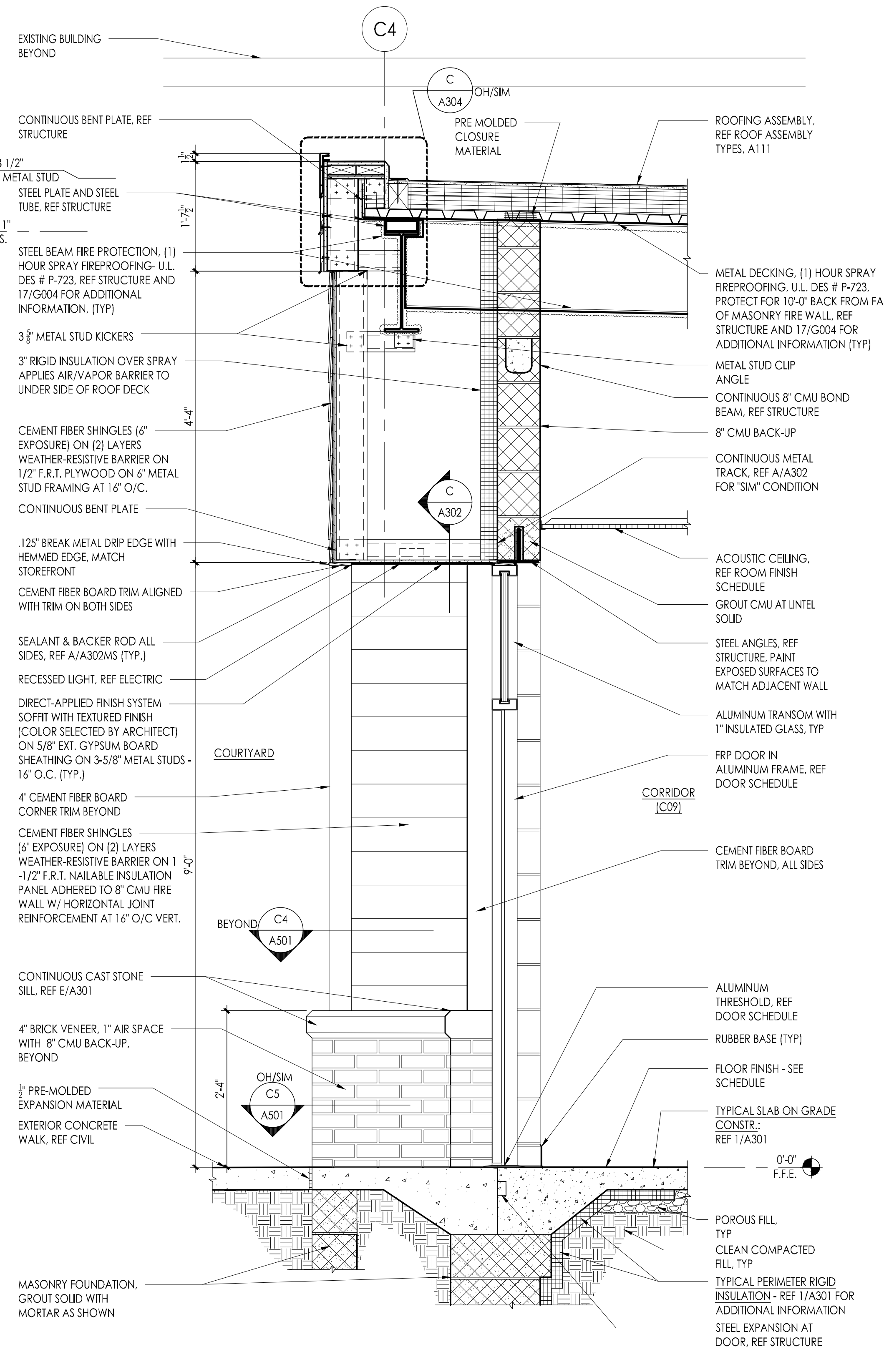
17 WALL SECTION (NEW CORRIDOR/EXISTING CORRIDOR)
Scale: 3/4" = 1' - 0"


CB.5
C
A304
11"
15'-1" T.O.FASCIA
T.O.S. VARIES
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
STEEL ROOF DECK, REF STRUCTURE
STEEL BEAM, CUT CMU TIGHT AROUND STEEL STIFFENERS IN THIS LOCATION, REF STRUCTURE
STEEL BRACING TO UNDER SIDE OF METAL ROOF DECK AT LINTEL COORDINATE ANGLE HEIGHT WITH CEILING PLANE, REF STRUCTURE
DASHED LINE INDICATES STEEL HANGER AT LINTEL, REF STRUCTURE
FILL ALL PENETRATIONS IN CMU SOLID WITH MORTAR AND PAINT
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
4" CMU AT STEEL PLATE
STEEL BEAM AND PLATE, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
SELF ADHERED MEMBRANE FLASHING OVER AIR/VAPOR BARRIER WRAPPED INTO WINDOW ROUGH OPENING
CORRIDOR (C09)
CMU RETURN JAMB PAINTED, TYP
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR: REF 1/A301
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301 FOR ADDITIONAL INFORMATION
CONTINUOUS BENT PLATE, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER ¾" FRT PLYWOOD ON NAILABLE INSULATION, REF ELEVATIONS
CONTINUOUS CMU TO UNDERSIDE OF METAL ROOF DECK, REF STRUCTURE
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES, REF 1/A301
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE, MATCH STOREFRONT
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP
COURTYARD
FRP DOOR IN ALUMINUM FRAME, REF DOOR SCHEDULE
CEMENT FIBER BOARD TRIM, ALL SIDES
CONTINUOUS CAST STONE SILL, REF X/A30X
BRICK RETURN JAMB
ALUMINUM THRESHOLD, REF DOOR SCHEDULE
EXTERIOR CONCRETE SLAB (FROST FREE-TURN DOWN) WITH MAX 2% SLOPE WITH LIGHT BROOM FINISH
STEEL EXPANSION AT DOOR, REF STRUCTURE
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN
0'-0" F.F.E.
2'-0"

18 WALL SECTION (CORRIDOR/COURTYARD)
Scale: 3/4" = 1' - 0"


C4
C
A304
10"
14'-8 1/2" TOP METAL STUD
13'-11" T.O.S.
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
STEEL ROOF DECK, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
STEEL JOIST WITH EXTENDED TOP CHORD AT SOFFIT, REF STRUCTURE
STEEL BEAM, REF STRUCTURE
8" CMU BACK-UP
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
INDICATES HVAC DUCT, REF MECHANICAL
STEEL ANGLES, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
WINDOW SHADE
CMU RETURN JAMB PAINTED, TYP
CLASSROOM (63)
CONTINUOUS SEALANT, ALL SIDES, COLOR SELECTED BY ARCHITECT
SOLID SURFACE STOOL, COLOR SELECTED BY ARCHITECT, TYP
10" CMU AT SILL, GROUT SOLID, TYP
8" CMU BACK-UP WITH HORIZONTAL REINFORCEMENT AT 16" O/C TYP
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR: REF 1/A301
½" PRE-MOLDED EXPANSION MATERIAL
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301 FOR ADDITIONAL INFORMATION
CONTINUOUS BENT PLATE, REF STRUCTURE
PRE MOLDED CLOSURE MATERIAL
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
METAL FASCIA EXTENDERS WITH CONCEALED FASTENERS OVER ¾" FRT PLYWOOD ON NAILABLE INSULATION, REF ELEVATIONS
CONTINUOUS CMU TO UNDERSIDE OF METAL ROOF DECK, REF STRUCTURE
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES, REF 1/A301
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE, MATCH STOREFRONT
SELF ADHERED MEMBRANE FLASHING OVER AIR/VAPOR BARRIER WRAPPED INTO WINDOW ROUGH OPENING
ALUMINUM WINDOW, REF WINDOW TYPES, A6XX
COURTYARD
CEMENT FIBER BOARD TRIM, ALL SIDES
CONTINUOUS CAST STONE SILL, REF E/A301
WINDOW BASE FLASHING WITH WEEPS AT 24" O.C. REF 7/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER; REF 1/A301 FOR ADDITIONAL INFORMATION
APPROXIMATE GRADE
THRU-WALL FLASHING WITH WEEPS AT 24" O.C. AND MORTAR MESH, REF 5/G003 FOR ADDITIONAL INFORMATION (TYPICAL)
FILL VOIDS BELOW FLASHING SOLID W/ MORTAR (TYPICAL)
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN
J
A301
T.O.M.
0'-0" F.F.E.
2'-0"

19 WALL SECTION (CLASSROOM 63/EXTERIOR)
Scale: 3/4" = 1' - 0"


C4
C
A304
EXISTING BUILDING BEYOND
CONTINUOUS BENT PLATE, REF STRUCTURE
14'-8 1/2" TOP METAL STUD
STEEL PLATE AND STEEL TUBE, REF STRUCTURE
13'-11" T.O.S.
STEEL BEAM FIRE PROTECTION, (1) HOUR SPRAY FIREPROOFING- U.L DES # P-723, REF STRUCTURE AND 17/G004 FOR ADDITIONAL INFORMATION. (TYP)
3⅝" METAL STUD KICKERS
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER TO UNDER SIDE OF ROOF DECK
CEMENT FIBER SHINGLES (6" EXPOSURE) ON (2) LAYERS WEATHER-RESISTIVE BARRIER ON 1/2" F.R.T. PLYWOOD ON 6" METAL STUD FRAMING AT 16" O/C.
CONTINUOUS BENT PLATE
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE, MATCH STOREFRONT
CEMENT FIBER BOARD TRIM ALIGNED WITH TRIM ON BOTH SIDES
SEALANT & BACKER ROD ALL SIDES, REF A/A303MS (TYP.)
RECESSED LIGHT, REF ELECTRIC
DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH (COLOR SELECTED BY ARCHITECT) ON 5/8" EXT. GYPSUM BOARD SHEATHING ON 3-5/8" METAL STUDS - 16" O.C. (TYP.)
4" CEMENT FIBER BOARD CORNER TRIM BEYOND
CEMENT FIBER SHINGLES (6" EXPOSURE) ON (2) LAYERS WEATHER-RESISTIVE BARRIER ON 1-1/2" F.R.T. NAILABLE INSULATION PANEL ADHERED TO 8" CMU FIRE WALL W/ HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. VERT.
COURTYARD
BEYOND
C4
A301
CONTINUOUS CAST STONE SILL, REF E/A301
4" BRICK VENEER, 1" AIR SPACE WITH 8" CMU BACK-UP, BEYOND
½" PRE-MOLDED EXPANSION MATERIAL
EXTERIOR CONCRETE WALK, REF CIVIL
MASONRY FOUNDATION, GROUT SOLID WITH MORTAR AS SHOWN
PRE MOLDED CLOSURE MATERIAL
ROOFING ASSEMBLY, REF ROOF ASSEMBLY TYPES, A111
METAL DECKING, (1) HOUR SPRAY FIREPROOFING, U.L. DES # P-723, PROTECT FOR 10'-0" BACK FROM FACE OF MASONRY FIRE WALL, REF STRUCTURE AND 17/G004 FOR ADDITIONAL INFORMATION (TYP)
METAL STUD CLIP ANGLE
CONTINUOUS 8" CMU BOND BEAM, REF STRUCTURE
8" CMU BACK-UP
CONTINUOUS METAL TRACK, REF A/A302 FOR "SIM" CONDITION
C
A302
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
GROUT CMU AT LINTEL SOLID
STEEL ANGLES, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP
FRP DOOR IN ALUMINUM FRAME, REF DOOR SCHEDULE
CORRIDOR (C09)
CEMENT FIBER BOARD TRIM BEYOND, ALL SIDES
ALUMINUM THRESHOLD, REF DOOR SCHEDULE
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
TYPICAL SLAB ON GRADE CONSTR: REF 1/A301
POROUS FILL, TYP
CLEAN COMPACTED FILL, TYP
TYPICAL PERIMETER RIGID INSULATION - REF 1/A301 FOR ADDITIONAL INFORMATION
STEEL EXPANSION AT DOOR, REF STRUCTURE
OH/SIM
C5
A301
0'-0" F.F.E.

20 WALL SECTION (CORRIDOR/COURTYARD)
Scale: 3/4" = 1' - 0"

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
BO
Scale
3/4"=1'-0" UNO

Drawing Name
WALL SECTIONS & DETAILS

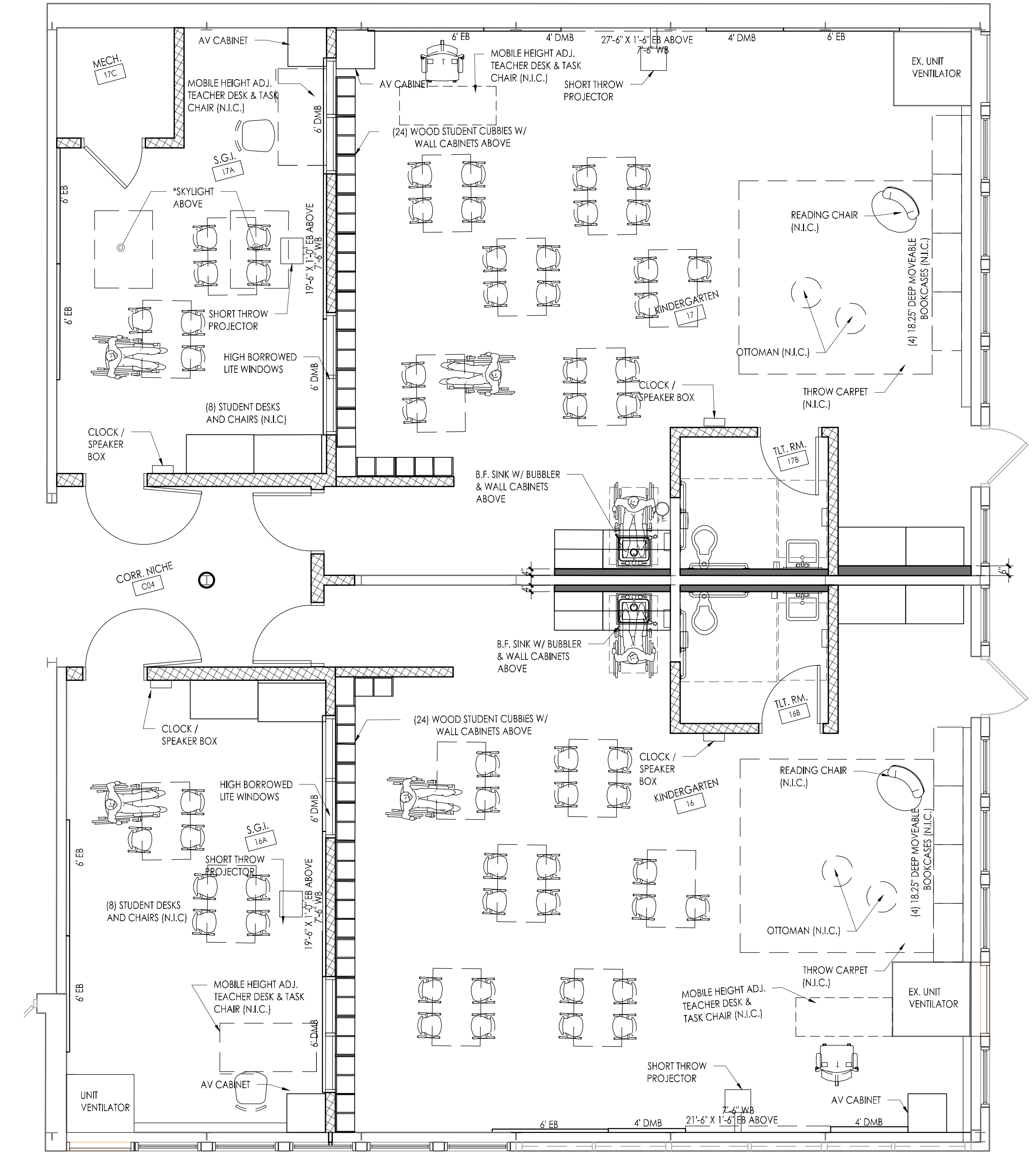
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

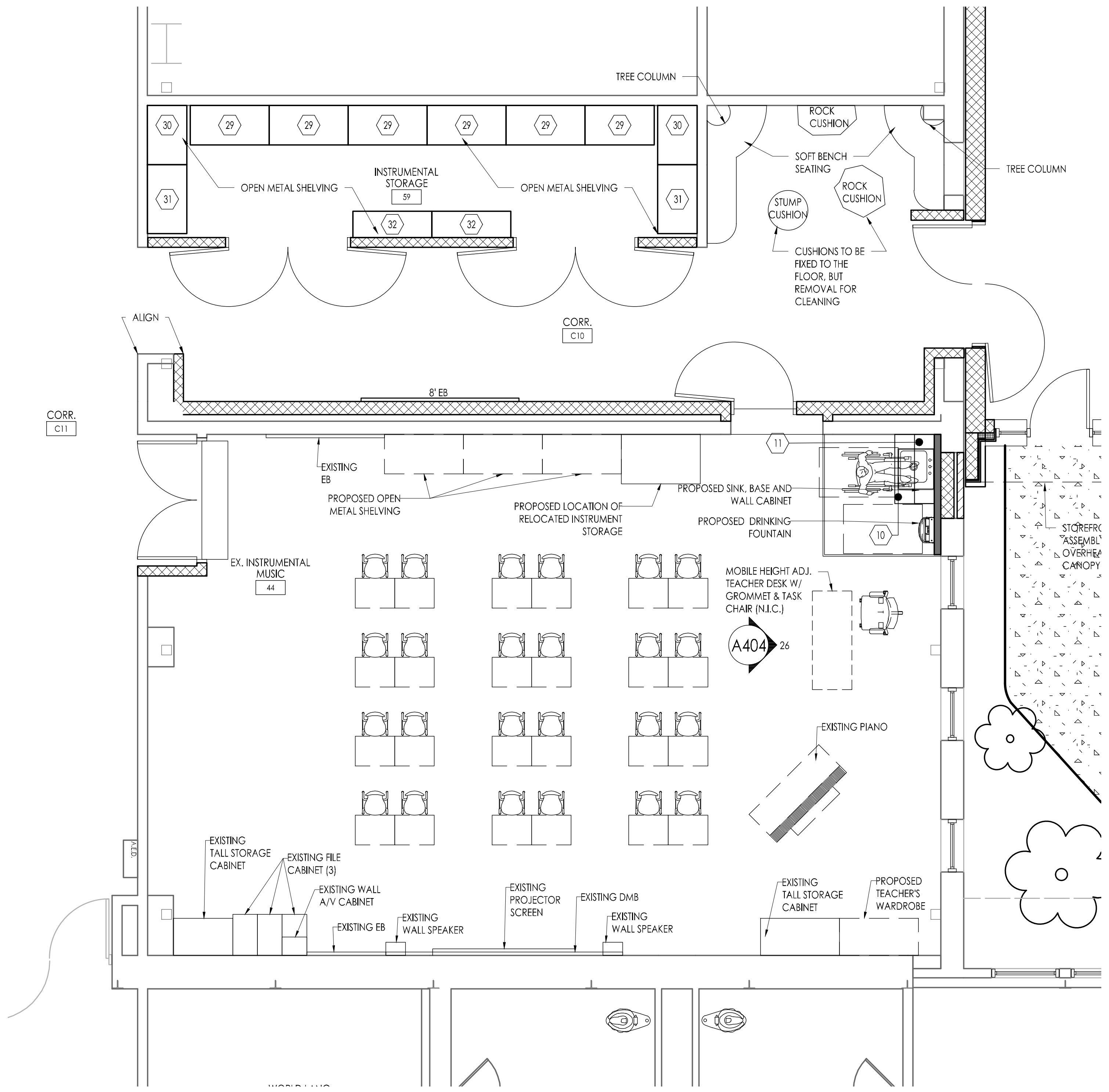
Drawing Number
A304

GENERAL ROOM FINISH NOTES

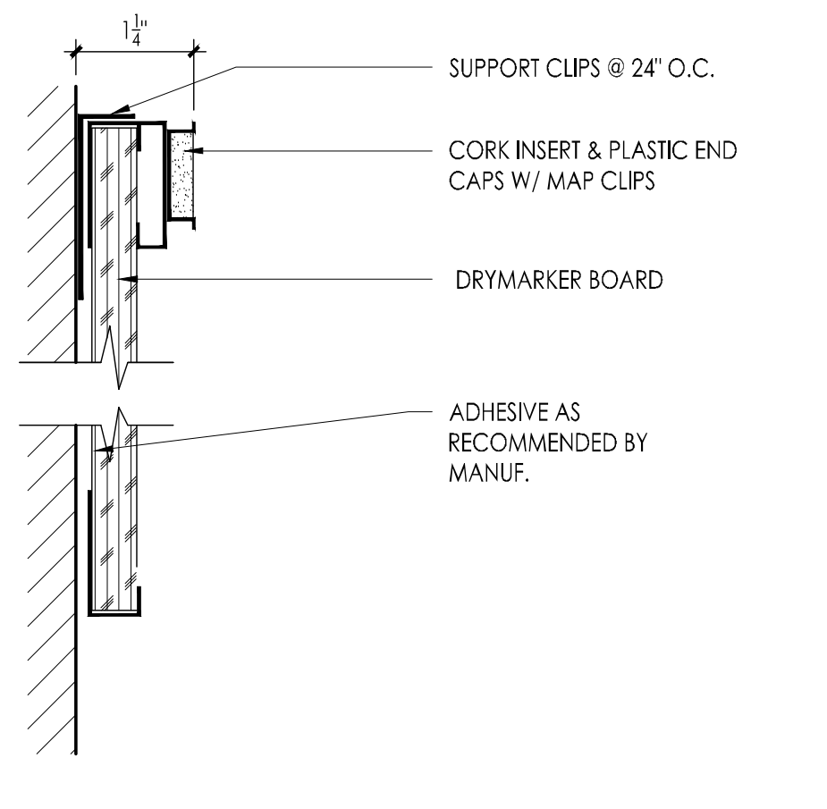
A. SEE SPECIFICATION FOR ADDITIONAL INFORMATION ON MATERIALS / MANUFACTURER / PERFORMANCE AND WARRANTY INFORMATION .
B. WITHIN THE EXISTING BUILDING, AT ALL AREAS OF NEW CONSTRUCTION ADJACENT TO EXISTING, NEW CONSTRUCTION SHALL BE FINISHED TO MATCH EXISTING ADJACENT CONSTRUCTION INCLUDING BRICK, TILE, PLASTER BASE, ETC.
C. AT ALL AREA OF EXISTING SURFACES BEING PAINTED, THE GENERAL CONSTRUCTION WORK CONTRACTOR SHALL REMOVE PRIOR TO PAINTING AND RE-INSTALL AFTER PAINTING ALL ELECTRICAL DEVICE (SWITCH ,OUTLETS,ETC) & COVER PLATES TO REMAIN.
D. IN ALL SPACES (EXISTING AND RE-CONFIGURED) WHERE EXISTING FLOORING SHALL REMAIN, THE GENERAL CONSTRUCTION WORK CONTRACTOR (GC) SHALL PROVIDE, INSTALLED MAINTAIN TEMPORARY PROTECTION OF EXISTING FLOORING FOR THE FULL DURATION OF WORK IN THAT LOCATION, TEMPORARY PROTECTION SHALL CONSIST OF SHEETS OF 1/2 " PLYWOOD TIGHTLY BUTTED TOGETHER AND TAPED, (GC) SHALL REMOVE ALL TEMPORARY PROTECTION BY THE DATE OF SUBSTANTIAL COMPLETION.
E. PATCH AND REPAIR SURROUNDING WALL SURFACES THAT IS DAMAGE DURING DEMOLITION OR CONSTRUCTION TO THEIR FORMER CONDITION, UNLESS NOTED OTHERWISE PER ROOM SCHEDULED.
F. REFER TO FINISH LEGEND ON SHEET A701 FOR ADDITIONAL INFORMATION ON GENERAL FINISHES.
G. REFER TO ALL DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR COMPLETE INTERIORS INFORMATION.
H. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PRODUCT LEAD TIMES TO ENSURE DELIVERY THAT MEETS THE PROJECT SCHEDULE.
I. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL SITE CONDITIONS AND CONFIRM QUANTITIES PRIOR TO ORDERING PRODUCTS. IN THE EVENT OF CONTRADICTORY INFORMATION CONTACT THE INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION PRIOR TO ORDERING.
J. ALL MATERIALS SHALL BE INSTALLED USING MANUFACTURERS RECOMMENDED INSTALLATION METHODS, ACCESSORIES AND ADHESIVES.
K. WARRANTY INFORMATION AND INSTRUCTIONS OF MAINTENANCE ON ALL FINISH MATERIALS SHALL BE PROVIDED AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
L. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SAMPLES OF ALL FINISHES SPECIFIED TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING MATERIAL.
M. ALL SUBSTRATE SURFACES ARE TO BE PROPERLY PREPARED TO RECEIVE FINISH MATERIALS. SUBCONTRACTOR IS NOT TO APPLY FINISHES UNTIL SUBSTRATE IS PREPARED PER MANUFACTURES WRITTEN INSTRUCTIONS FOR ALL INSTALLATIONS OR APPLICATIONS.



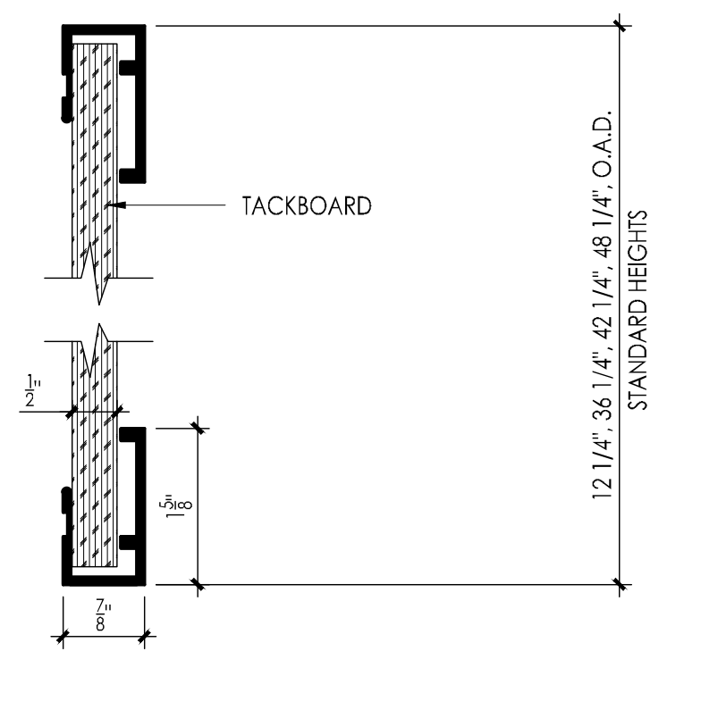
1 SGI & KINDERGARTEN ROOM LAYOUTS
1/4" = 1'-0"


TREE COLUMN
ROCK CUSHION
SOFT BENCH SEATING
STUMP CUSHION
ROCK CUSHION
CUSHIONS TO BE FIXED TO THE FLOOR, BUT REMOVAL FOR CLEANING
OPEN METAL SHELVING
INSTRUMENTAL STORAGE 59
CORR. C10
CORR. C11
ALIGN
EXISTING EB
PROPOSED OPEN METAL SHELVING
PROPOSED LOCATION OF RELOCATED INSTRUMENT STORAGE
PROPOSED SINK, BASE AND WALL CABINET
PROPOSED DRINKING FOUNTAIN
EX. INSTRUMENTAL MUSIC 44
MOBILE HEIGHT ADJ. TEACHER DESK W/ GROMMET & TASK CHAIR (N.I.C)
A404
EXISTING PIANO
EXISTING TALL STORAGE CABINET
EXISTING FILE CABINET (3)
EXISTING WALL A/V CABINET
EXISTING EB
EXISTING WALL SPEAKER
EXISTING PROJECTOR SCREEN
EXISTING DMB
PROPOSED TEACHER'S WARDROBE
TREE COLUMN

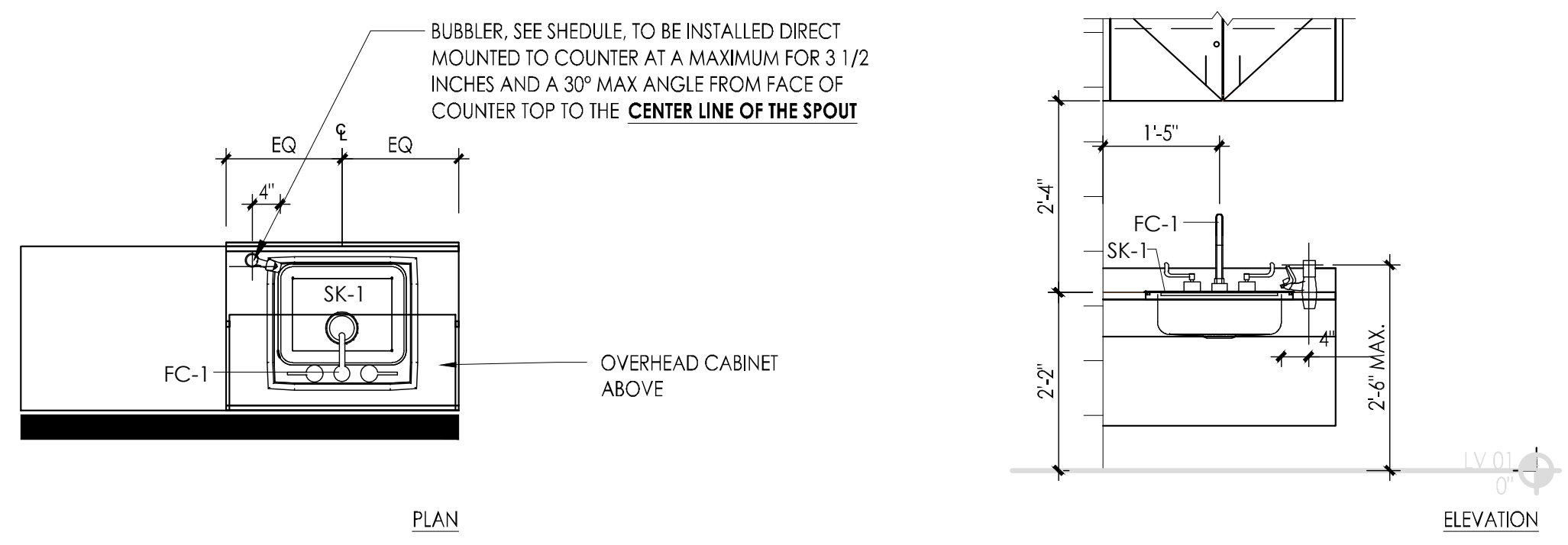
2 INSTRUMENTAL MUSIC 44 LAYOUT
1/4" = 1'-0"


SUPPORT CLIPS @ 24" O.C.
CORK INSERT & PLASTIC END CAPS W/ MAP CLIPS
DRYMARKER BOARD
ADHESIVE AS RECOMMENDED BY MANUF.

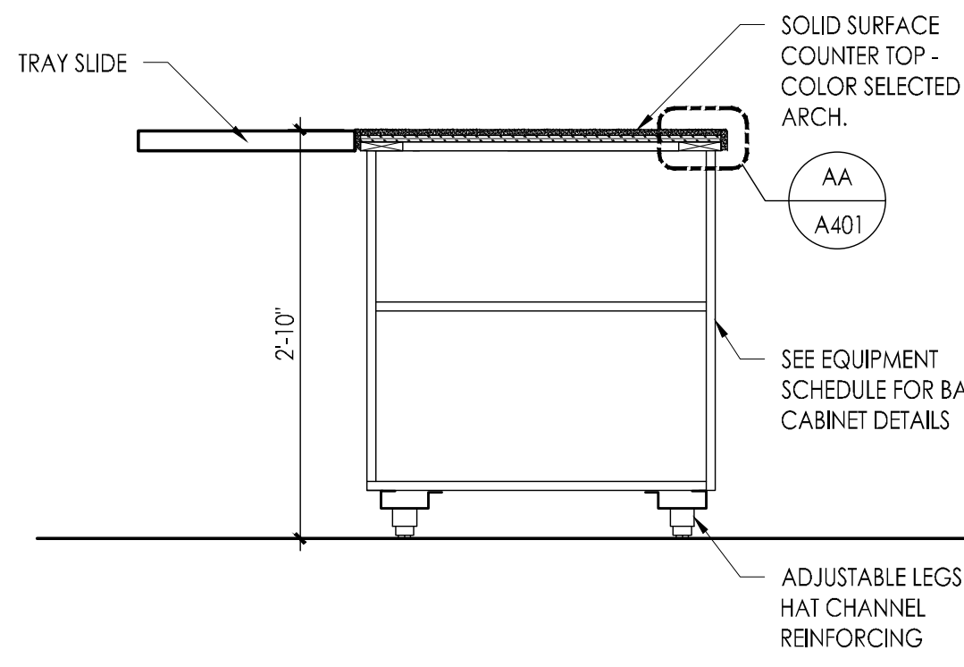
3 TYP. MARKERBOARD SECTION DETAIL
6" = 1'-0"



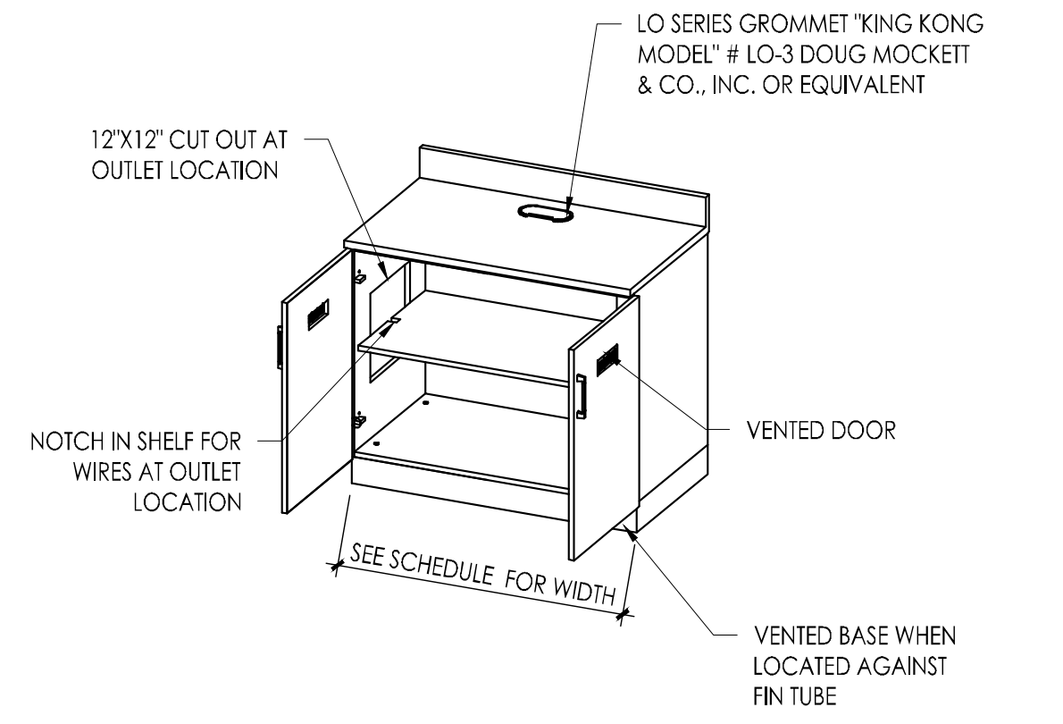
4 TYP. EXHIBITION BOARD SECTION DETAIL
6" = 1'-0"


BUBBLER, SEE SHEDULE. TO BE INSTALLED DIRECT MOUNTED TO COUNTER AT A MAXIMUM FOR 3-1/2 INCHES AND A 30° MAX ANGLE FROM FACE OF COUNTER TOP TO THE CENTER LINE OF THE SPOUT
EQ
EQ
SK-1
FC-1
OVERHEAD CABINET ABOVE
PLAN
ELEVATION

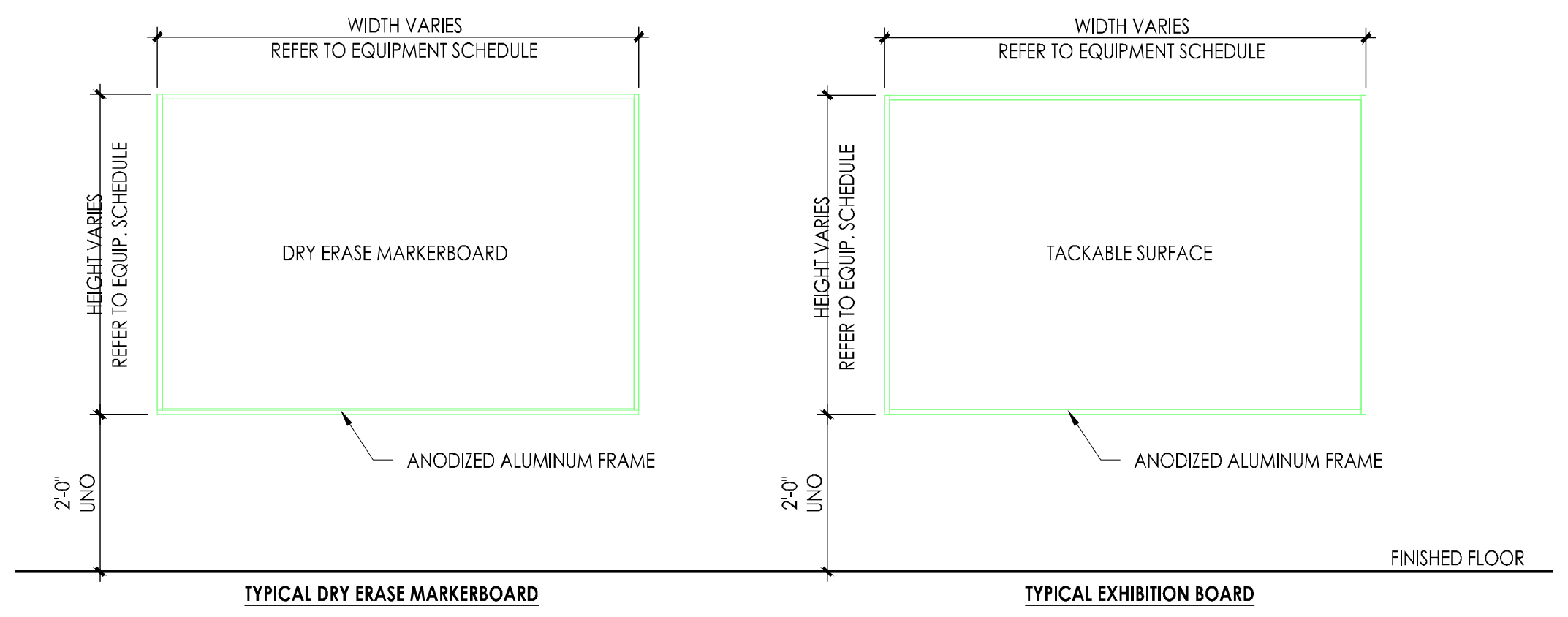
5 BUBBLER-SINK PLAN & ELEVATION DETAIL
1/2" = 1'-0"


TRAY SLIDE
SOLID SURFACE COUNTER TOP - COLOR SELECTED BY ARCH.
AA A401
SEE EQUIPMENT SCHEDULE FOR BASE CABINET DETAILS
ADJUSTABLE LEGS W/ SS. HAT CHANNEL REINFORCING

6 CAFETERIA CHECK OUT STATION
3/4" = 1'-0"


LO SERIES GROMMET "KING KONG MODEL" # LO-3 DOUG MOCKETT & CO., INC. OR EQUIVALENT
12"X12" CUT OUT AT OUTLET LOCATION
NOTCH IN SHELF FOR WIRES AT OUTLET LOCATION
VENTED DOOR
SEE SCHEDULE FOR WIDTH
VENTED BASE WHEN LOCATED AGAINST FIN TUBE

7 AV CABINET DETAIL
1/2" = 1'-0"


WIDTH VARIES REFER TO EQUIPMENT SCHEDULE
HEIGHT VARIES REFER TO EQUIP. SCHEDULE
DRY ERASE MARKERBOARD
ANODIZED ALUMINUM FRAME
TACKABLE SURFACE
2'-0" UNO
FINISHED FLOOR
TYPICAL DRY ERASE MARKERBOARD
TYPICAL EXHIBITION BOARD

NOTE: CHECK WITH ARCHITECT OR INTERIOR ELEVATIONS FOR ANY POSSIBLE INTERFERENCE WITH MOUNTING HEIGHT OF ANY BOARDS IN SPACE.
- KINDERGARTEN, 1ST & 2ND GRADE CLASSROOMS: 2'-2" A.F.F.
- 4TH, 5TH GRADE CLASSROOMS: 2'6" A.F.F.

8 TYPICAL DRY MARKERBOARD AND EXHIBITION BOARD MOUNTING HEIGHTS
1/2" = 1'-0"

ABBREVIATIONS

ACB	- ACOUSTIC CEILING BOARD
AL	- ALUMINUM
BFL	- CEILING BAFFLE
CG	- CORNER GUARD
CEM	- CARPET ENTRY MAT
CEP	- CMU EPOXY PAINTED
CP	- CMU PAINTED
CPT	- CARPET/CARPET TILE
DCS	- DECORATIVE CEILING SYSTEM
EXP	- EXPOSED
ETR	- EXISTING TO REMAIN
ETR-P	- EXISTING TO REMAIN, PAINTED
EXP-P	- EXPOSED PAINTED
FRP	- FIBER REINFORCED PLASTIC
GCB	- GYPSUM CEILING BOARD
GP	- GYPSUM PAINTED
LVT	- LUXURY VINYL TILE
QZ	- QUARTZ TILE
RUB	- RUBBER BASE
RSF	- RESILIENT SHEET FLOORING
RST	- RUBBER STAIR TREADS
RTF	- RESILIENT TILE FLOORING
RWS	- ROLLER WINDOW SHADE
SEAL-C	- SEALED CONCRETE FLOOR
SSM	- SOLID SURFACE MATERIAL
VCT	- VINYL COMPOSITE TILE
SST	- STAINLESS STEEL
TI	- TILE
WC	- WALL COVERING
WD	- WOOD

ROOM FINISH SCHEDULE

NUMBER	ROOM NAME	FLOOR	BASE		WAINSCOT		WALL FINISH	CEILING		NOTES
			MAT.	HT.	MAT.	HT.		MAT.	HT.	
001	VEST.	CEM	RUB	4"	--	--	CP	ACB-1	9'-6"	--
16	KINDERGARTEN	LVT	RUB	4"	--	--	CP / GP	ACB-1	9'-6"	--
16A	S.G.I.	LVT	RUB	4"	--	--	CP / ETR-P	ACB-1	9'-6"	--
16B	TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
17	KINDERGARTEN	LVT	RUB	4"	--	--	CP / GP	ACB-1	9'-6"	--
17A	S.G.I.	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
17B	TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
17C	MECH.	VCT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
2B	READINGAREA	LVT	RUB	4"	--	--	GP	ACB-1	8'-0"	--
44	EX. INSTRUMENTAL MUSIC	CPT	RUB	4"	--	--	CP	ACB-1	ETR	--
45	STAFF RM.	LVT	RUB	4"	--	--	GP	ACB-1	8'-0"	--
47	CONFERENCE	LVT	RUB	4"	--	--	GP	ACB-1	8'-0"	--
49	LIBRARY OFFICE	LVT	RUB	4"	--	--	GP	ACB-1	8'-0"	--
52	CAFETERIA / MULTIPURPOSE ROOM	QZ	RUB	4"	--	--	CEP	ETR-P	12'-0" / 8'-0"	SEE ROOM FINISH SCHEDULE NOTES: #1 & 2
54A	BOYS'TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
54B	GIRLS' TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
55A	TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
55B	TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
58	VOCAL MUSIC	LVT	RUB	4"	--	--	CP	ACB-1	12'-0"	--
59	INSTRUMENTAL STORAGE	VCT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
61	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
62	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
63	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
64A/B	FLEX CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
64C	TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
65	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
66A/B	FLEX CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
66C	TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
67	J.C.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB-1	9'-6"	--
68	MECH. / IDFROOM	SEAL-C	RUB	4"	--	--	CP	EXP-P	--	--
69	MECHANICAL ROOM	SEAL-C	RUB	4"	--	--	CP	EXP-P	--	--
71	WAITING AREA	CPT	RUB	4"	--	--	CP / GP	ACB-1	8'-0"	--
72	OFFICE 1	CPT	RUB	4"	--	--	CP / GP	ACB-1	8'-0"	--
73	OFFICE 2	CPT	RUB	4"	--	--	CP / GP	ACB-1	8'-0"	--
74	OFFICE 3	CPT	RUB	4"	--	--	CP / GP	ACB-1	8'-0"	--
75	OFFICE 4	CPT	RUB	4"	--	--	CP / GP	ACB-1	8'-0"	--
76	WAITING AREA	CPT	RUB	4"	--	--	CP / GP	ACB-1	8'-0"	--
C04	CORR. NICHE	VCT	RUB	4"	--	--	CEP	ACB-1	9'-6"	SEE ROOM FINISH SCHEDULE NOTE: #1
C09	CORR.	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
C10	CORR.	LVT	RUB	4"	--	--	CP / GP	ACB-1	9'-6"	SEE ROOM FINISH SCHEDULE NOTE: #1
C11	CORR.	VCT	RUB	4"	--	--	CP	ACB-1	ETR	--
C13	CORR.	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
V05	VEST.	LVT	RUB	4"	--	--	CP	ACB-1	9'-6"	--
V06	VEST.	CEM	RUB	4"	--	--	CP	ACB-1	9'-6"	--
V07	VEST.	LVT	RUB	4"	--	--	CP	ACB-1	9' 4-1/2"	--

ROOM FINISH SCHEDULE NOTES

1. HEIGHT OF SOUND PANELS IN SPACE VARIES - SEE RCPS ON SHEETS A108-110 .
2. EXPOSED STRUCTURE (i.e. STEEL FRAMING, METAL DECK, ETC.) TO BE PAINTED- TBD.

EQUIPMENT SCHEDULE X

ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS	FINISH
1	CAMPBELL RHEA	6954-A	TEACHER WARDROBE CABINET	42"	22 1/2"	84"	DBL DOOR. L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES. R-1 HANGER ROD, 1 FIXED SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
2	CAMPBELL RHEA	5690	TALL CABINET	42"	22 1/2"	84"	DBL DOOR. 1 FIXED SHELF, 4 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
3	CAMPBELL RHEA	7432	2 UNIT CUBBY	24"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
4	CAMPBELL RHEA	5420	UPPER CABINET	24"	12"	36"	SINGLE DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
5	CAMPBELL RHEA	7442	3 UNIT CUBBY	35 1/4"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
6	CAMPBELL RHEA	5340	UPPER CABINET	12"	12"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
7	CAMPBELL RHEA	7444	4 UNIT CUBBY	47 1/4"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
8	CAMPBELL RHEA	2438	BASE AV CABINET	24"	22 1/2"	29"	1 ADJUSTABLE SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
9	CAMPBELL RHEA	6954-B	TEACHER WARDROBE CABINET	36"	22 1/2"	84"	DBL DOOR. L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES. R-1 HANGER ROD, 1 FIXED SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
10	CAMPBELL RHEA	8760	ADA CLOSURE PANEL ASSEMBLY	42"	22 1/2"	32 1/2"	1" COUNTER AND 4" BACKSPLASH	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
11	CAMPBELL RHEA	5440	UPPER CABINET	42"	16"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
12	CAMPBELL RHEA	3681C	BASE CABINET	30"	22 1/2"	32 1/2"	DBL DOOR. 1 ADJUSTABLE SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
13	CAMPBELL RHEA	5436	UPPER CABINET	30"	16"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
18	EPSON	V11H919520	SHORT THROW PROJECTOR	18.1"	14.3"	8.3"	-	-
27	JUST MANUFACTURING	CRBADA2022A554-J	SINGLE BOWL DROP-IN CLASSROOM ADA SINK	22"	5 1/2"	19 1/2"	DROP IN SINK, 3-1/2" CENTER DRAIN REFERENCE PLUMBING DRAWINGS FOR DETAILS	SEE SINK NOTE 'A'
28	JUST MANUFACTURING	JBB5	BUBBLER	-	-	-	BUBBLER TO BE PROVIDED. REFERENCE PLUMBING DRAWINGS FOR DETAILS	-
29	ICI SCIENTIFIC	J348-48	PAINTED STEEL SHELVES	48"	24"	84"	5 ADJUSTABLE SHELVES	-
30	ICI SCIENTIFIC	J348-36	PAINTED STEEL SHELVES	36"	24"	84"	5 ADJUSTABLE SHELVES	-
31	ICI SCIENTIFIC	J348-42	PAINTED STEEL SHELVES	42"	24"	84"	5 ADJUSTABLE SHELVES	-
32	ICI SCIENTIFIC	J351-48	PAINTED STEEL SHELVES	48"	16"	84"	5 ADJUSTABLE SHELVES	-

GENERAL CASEWORK NOTES:

1. CATALOG NUMBERS REFER TO MOST CURRENT CAMPBELL RHEA CASEWORK CATALOG AND JUST MANUFACTURING CATALOG UNLESS OTHERWISE NOTED. FOR REFERENCE ONLY.
2. ALL CASEWORK DOORS AND DRAWERS TO HAVE LOCKS KEYED ALIKE PER ROOM AND MASTER KEYED.
3. ALL TOPS SHALL BE 1/2" SOLID SURFACE ON 1/2" PLYWOOD (UNLESS NOTED OTHERWISE). LAMINATE TOPS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
4. ALL BACKSPLASHES SHALL BE 1/2" SOLID SURFACE (UNLESS NOTED OTHERWISE).
5. ALL FURNITURE AND EQUIPMENT SHOWN DOTTED AND/OR INDICATED AS (N.I.C.) IS NOT IN CONTRACT.
6. THE CASEWORK & EQUIPMENT SUB-CONTRACTOR(S) SHALL TURN OVER TO THE PLUMBING AND ELECTRICAL SUB-CONTRACTOR(S) IN A PACKAGE, ALL SINKS, FIXTURES, FAUCETS, TAILPIECES, STRAINERS, ETC., AND ELECTRICAL DEVICES, NIPPLES AND LOCKNUTS, ETC., FOR INSTALLATION AND FINAL CONNECTION.
7. THE CASEWORK AND EQUIPMENT SUB-CONTRACTOR SHALL PROVIDE AN ITEMIZED LIST AND A DESIGNATED SITE LOCATION FOR THE TRANSFER OF THE MATERIALS REFERENCED IN NOTE 6 TO THE PLUMBING AND ELECTRICAL SUB-CONTRACTORS. THE LIST SHALL HAVE A DESCRIPTION OF THE ITEMS AND QUANTITY ALONG WITH A SIGN-OFF LINE FOR THE PLUMBING AND ELECTRICAL SUB-CONTRACTORS. A COPY OF THE SIGNED LIST IS TO BE SUBMITTED TO THE ARCHITECT / OWNER PRIOR TO BILLING FOR THIS EQUIPMENT.
8. EQUIPMENT SUB-CONTRACTOR SHALL MAKE SINK CUT-OUTS.
9. ALL DUPLEX OUTLETS SHALL BE G.F.C.I. UNLESS NOTED OTHERWISE AND SHALL BE TAMPER-RESISTANT.
10. SINK CABINETS SHALL BE INSTALLED BEFORE THE INSTALLATION OF ADJACENT CABINETS.
11. ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT IN WRITTEN FORM OF ANY DISCREPANCIES.
12. PROVIDE ALL FILLERS AS REQUIRED. FILLERS AT BASE CABINETS SHALL BE AT FRONT OF CABINET AND COUNTERTOP SHALL BE CONTINUOUS OVER FILLER PANEL. FILLERS AT TALL CABINETS SHALL BE AT FRONT AND TOP OF CABINET. FILLERS AT WALL CASES SHALL BE AT FRONT, TOP AND BOTTOM OF CABINET. FINISH TO MATCH CASEWORK.
13. ALL PRINTERS AND COMPUTERS ARE N.I.C. (TYPICAL)
14. RUBBER BASE ON ALL CASEWORK BY G.C. (TYPICAL)
15. ALL SCHEDULED EQUIPMENT MANUFACTURERS ARE "BASIS OF DESIGN", OR APPROVED EQUAL.
16. SEE DETAILS A AND B / A403 FOR MOUNTING OF DRYMARKER BOARDS AND EXHIBITION BOARDS.

NOTE:

ALL FURNITURE AND EQUIPMENT WITHOUT THE SYMBOL ⬡ OR MARKED (N.I.C.) IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. SEE EQUIPMENT SCHEDULE FOR EQUIPMENT MARKED WITH THE SYMBOL ⬡

NOTE:

SEE 1/8" FLOOR PLAN FOR LOCATION & ROOM NUMBERS.

NOTE:

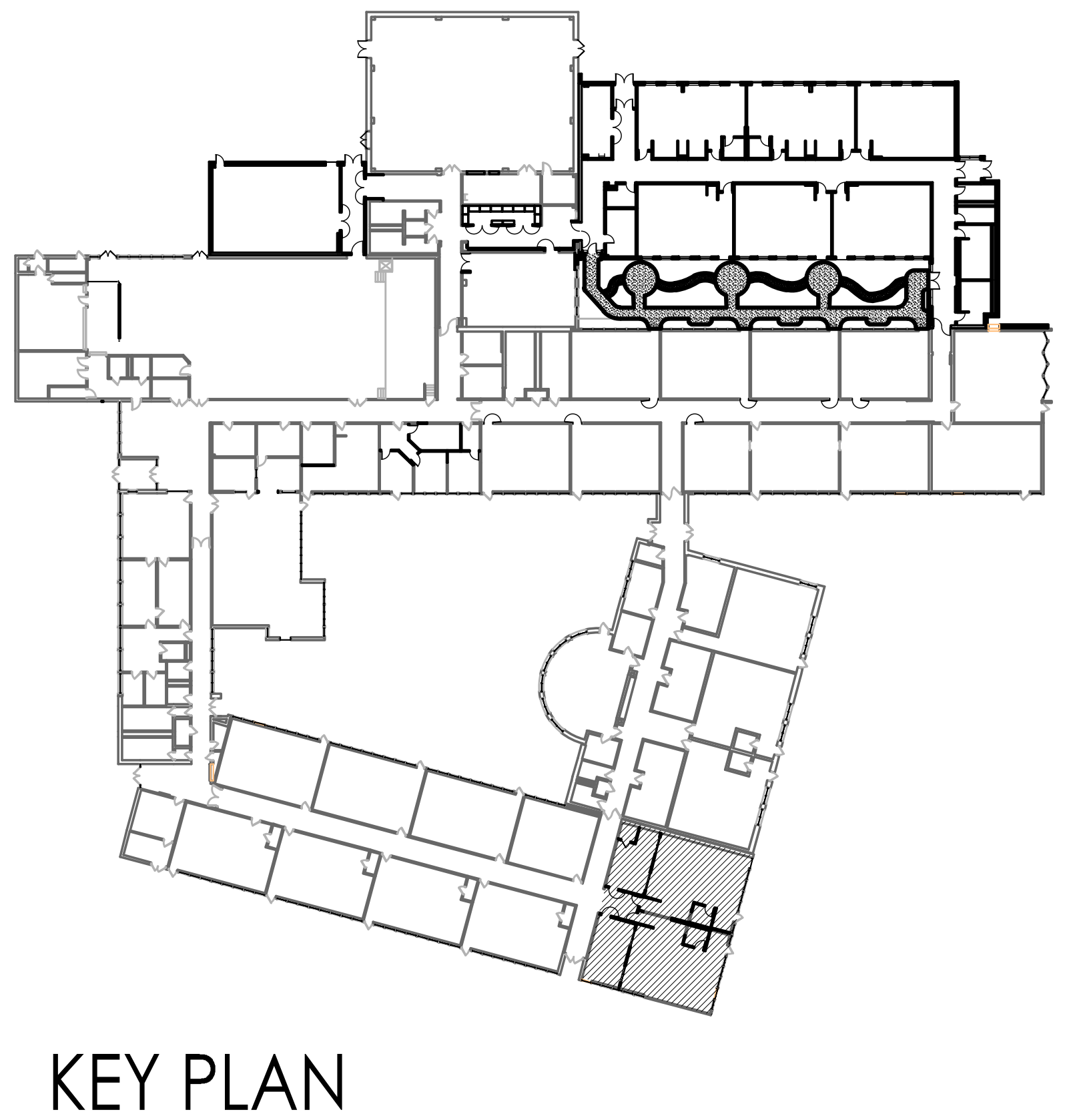
PROVIDE A MINIMUM 18" BARRIER-FREE MANEUVERING CLEARANCE AT THE PULL SIDE OF ALL DOORS ADJACENT TO CABINETS, SHELVING, ETC.

PROVIDE A MINIMUM 12" BARRIER-FREE MANEUVERING CLEARANCE AT THE PUSH SIDE OF ALL DOORS ADJACENT TO CABINETS, SHELVING, ETC.

SINK NOTE 'A': (ITEMS# 27 & 28)

CRB-ADA-2022A554-J JUST STAINLESS STEEL SINK W/ BUBBLER COMBINATION, "THE ACADEMIC GROUP A" SERIES, TYPE 304, LEDGE TYPE, FAUCET LEDGE REAR, BUBBLER LEDGE LEFT, SINGLE COMPARTMENT, SELF-RIM, 18 GAUGE STAINLESS STEEL, 22"L x 19-1/2" W x 5-1/2" DEEP, SINK UNDERCOATED W/ SOUND DEADENING MATERIAL. FURNISH COMPLETE WITH JUST FAUCET (#J-1174-KS) CONCEALED HOT & COLD WATER MIXING FAUCET WITH SWIVEL GOOSENECK SPOUT, AERATOR & WRIST BLADE HANDLES. INCLUDE ONE JUST BUBBLER (#JBB5) W/ SELF-CLOSING LEVER HANDLE. INCLUDE ONE JUST CENTER DRAIN ASSEMBLY (#J-ADA-35-FS) W/ DRAIN INSULATING KIT (#J-ADA-150), JUST STAINLESS STEEL FLAT STRAINER & 4" LONG STAINLESS STEEL TAILPIECE (#J-35-SSF).

SINK, FAUCET, STRAINER AND TAILPIECE TO BE SUPPLIED BY EQUIPMENT SUBCONTRACTOR. THE PLUMBING SUBCONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAPS, VALVES, WASTE LINES, ETC. AS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. THE PLUMBING SUBCONTRACTOR SHALL MAKE THE FINAL PLUMBING CONNECTIONS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. SEE GENERAL CASEWORK NOTES # 6 & 7.



KEY PLAN
N.T.S.

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
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NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
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Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

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Project Name
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Princeton, NJ
085402

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5516D
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Scale
AS NOTED

Drawing Name
ROOM LAYOUTS WITH GENERAL NOTES, DETAILS ROOM FINISH & EQUIPMENT SCHEDULE

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
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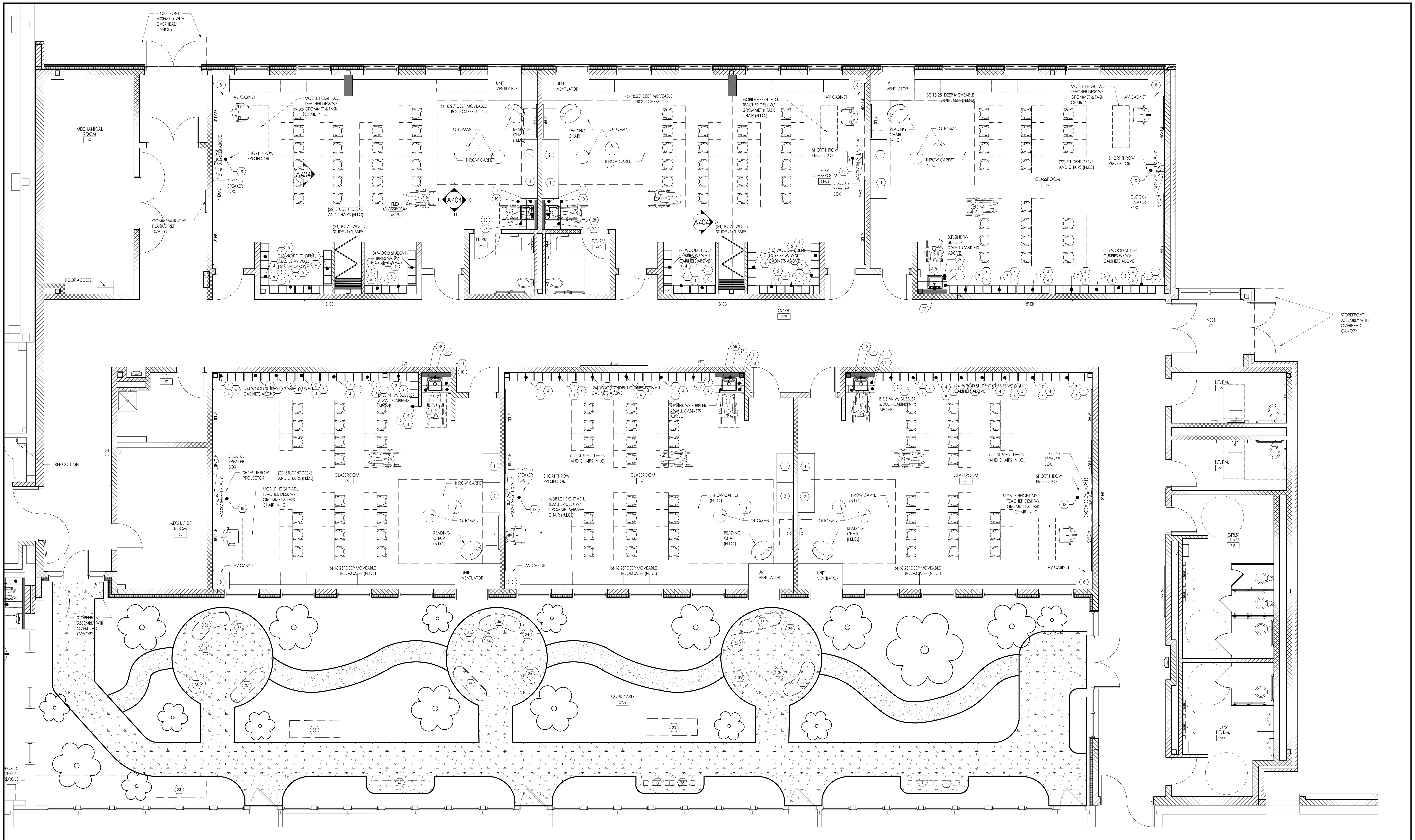
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A401


STOREFRONT ASSEMBLY WITH OVERHEAD CANOPY
MECHANICAL ROOM 69
COMMEMORATIVE PLAQUE, REF 10/A503
ROOF ACCESS
AV CABINET
MOBILE HEIGHT ADJ. TEACHER DESK W/ GROMMET & TASK CHAIR (N.I.C.)
SHORT THROW PROJECTOR
CLOCK / SPEAKER BOX
(22) STUDENT DESKS AND CHAIRS (N.I.C)
FLEX CLASSROOM 66A/B
(24) TOTAL WOOD STUDENT CUBBIES
(16) WOOD STUDENT CUBBIES W/ WALL CABINETS ABOVE
(8) WOOD STUDENT CUBBIES W/ WALL CABINETS ABOVE
UNIT VENTILATOR
(6) 18.25" DEEP MOVEABLE BOOKCASES (N.I.C.)
OTTOMAN
READING CHAIR (N.I.C.)
THROW CARPET (N.I.C.)
TLT. RM. 66C
TLT. RM. 64C
FLEX CLASSROOM 64A/B
(9) WOOD STUDENT CUBBIES W/ WALL CABINETS ABOVE
(15) WOOD STUDENT CUBBIES W/ WALL CABINETS ABOVE
CORR. C09
CLASSROOM 62
B.F. SINK W/ BUBBLER & WALL CABINETS ABOVE
(24) WOOD STUDENT CUBBIES W/ WALL CABINETS ABOVE
VEST. V06
8' EB
A404
J.C. 67
MECH. / IDF ROOM 68
TREE COLUMN
CLASSROOM 63
CLASSROOM 61
TLT. RM. 55B
TLT. RM. 55A
GIRLS' TLT. RM.
BOYS' TLT. RM. 54A
COURTYARD CY02
PROPOSED TEACHER'S WARDROBE

NEW CLASSROOMS ROOM LAYOUTS & COURTYARD LAYOUT

1/4" = 1'-0"

EQUIPMENT SCHEDULE X

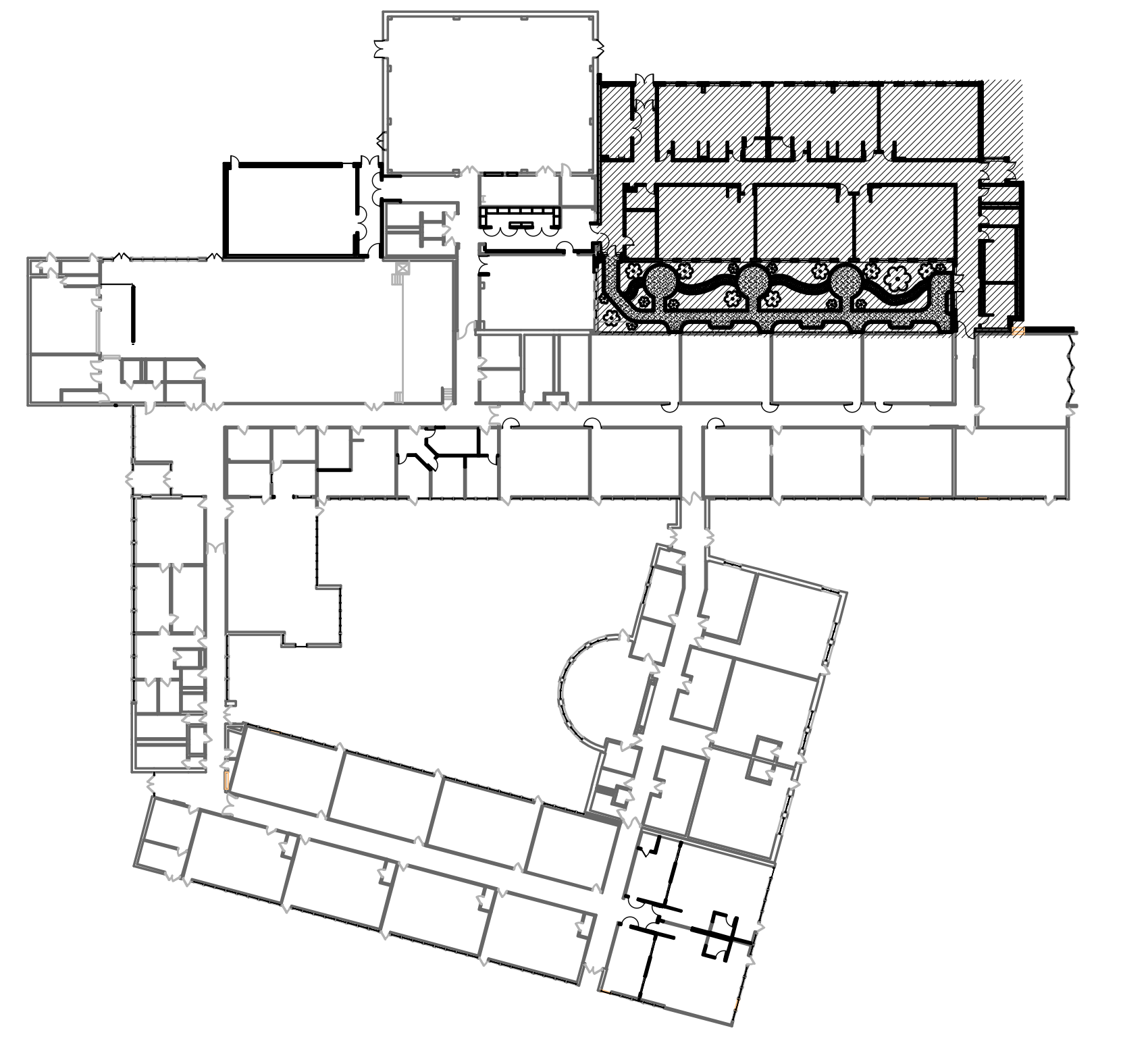
ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS	FINISH
1	CAMPBELL RHEA	6954-A	TEACHER WARDROBE CABINET	42"	22 1/2"	84"	DBL DOOR. L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES. R-1 HANGER ROD, 1 FIXED SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
2	CAMPBELL RHEA	5690	TALL CABINET	42"	22 1/2"	84"	DBL DOOR. 1 FIXED SHELF, 4 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
3	CAMPBELL RHEA	7432	2 UNIT CUBBY	24"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
4	CAMPBELL RHEA	5420	UPPER CABINET	24"	12"	36"	SINGLE DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
5	CAMPBELL RHEA	7442	3 UNIT CUBBY	35 1/4"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
6	CAMPBELL RHEA	5340	UPPER CABINET	12"	12"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
7	CAMPBELL RHEA	7444	4 UNIT CUBBY	47 1/4"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
8	CAMPBELL RHEA	2438	BASE AV CABINET	24"	22 1/2"	29"	1 ADJUSTABLE SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
9	CAMPBELL RHEA	6954-B	TEACHER WARDROBE CABINET	36"	22 1/2"	84"	DBL DOOR. L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES. R-1 HANGER ROD, 1 FIXED SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
10	CAMPBELL RHEA	8760	ADA CLOSURE PANEL ASSEMBLY	42"	22 1/2"	32 1/2"	1" COUNTER AND 4" BACKSPLASH	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
11	CAMPBELL RHEA	5440	UPPER CABINET	42"	16"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
12	CAMPBELL RHEA	3681C	32 1/2" BASE CABINET	30"	22 1/2"	32 1/2"	DBL DOOR. 1 ADJUSTABLE SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
13	CAMPBELL RHEA	5436	UPPER CABINET	30"	16"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD

EQUIPMENT SCHEDULE X

ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS	FINISH
18	EPSON	V11H919520	SHORT THROW PROJECTOR	18.1"	14.3"	8.3"	-	-
19	KINETICS NOISE	-	ACOUSTIC WALL PANELS	4'-0"	2"	4'-0"	-	THREE TOTAL COLOR VARIATIONS
20	KINETICS NOISE	-	ACOUSTIC WALL PANELS	4'-0"	2"	3'-2"	-	THREE TOTAL COLOR VARIATIONS
21	KINETICS NOISE	-	ACOUSTIC WALL PANELS	2'-8"	2"	4'-0"	-	THREE TOTAL COLOR VARIATIONS
22	KINETICS NOISE	-	ACOUSTIC WALL PANELS	6'-4"	2"	2'-0"	-	THREE TOTAL COLOR VARIATIONS
22A	KINETICS NOISE	-	ACOUSTIC WALL PANELS	6'-4"	2"	2'-0"	MODIFIED FOR CLOCK / SPEAKER BOX	THREE TOTAL COLOR VARIATIONS
23	KINETICS NOISE	-	ACOUSTIC WALL PANELS	7'-8"	2"	4'-0"	-	THREE TOTAL COLOR VARIATIONS
24	KINETICS NOISE	-	ACOUSTIC WALL PANELS	2'-0"	2"	4'-0"	-	THREE TOTAL COLOR VARIATIONS
25	KINETICS NOISE	-	ACOUSTIC WALL PANELS	1'-4"	2"	4'-0"	-	THREE TOTAL COLOR VARIATIONS
26	-	-	CLOCK / SPEAKER BOX	-	-	-	REFERENCE ELECTRICAL DRAWINGS FOR DETAILS	-
27	JUST MANUFACTURING	CRBADA2022A554-J	SINGLE BOWL DROP-IN CLASSROOM ADA SINK	22"	5 1/2"	19 1/2"	DROP IN SINK, 3-1/2" CENTER DRAIN REFERENCE PLUMBING DRAWINGS FOR DETAILS	SEE SINK NOTE 'A'
28	JUST MANUFACTURING	JBB5	BUBBLER	-	-	-	BUBBLER TO BE PROVIDED. REFERENCE PLUMBING DRAWINGS FOR DETAILS	-

EQUIPMENT SCHEDULE X

ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS	FINISH
33	SMITH SYSTEM	LFOS00367	OPENSPACES BACKED BENCH	75"	27"	31.25"	-	-
34	SMITH SYSTEM	55207	FLOWFORM OUTDOOR TAPERED CYLINDER STOOL	-	19"	18.5"	-	-
35	SMITH SYSTEM	55029	FLOWFORM 15" CYLINDER OTTOMAN	-	18.5"	15"	-	-
36	SMITH SYSTEM	55019	FLOWFORM LARGE BEAN BENCH	58"	24.7"	15	-	-
37	SMITH SYSTEM	55204	FLOWFORM OUTDOOR STRAIGHT BENCH	61"	19"	18.5"	-	-
38	SCHOOL OUTFITTERS	UTP-EC-041	US MAP PANEL	37"	6"	50"	-	-
39	SCHOOL OUTFITTERS	SPG-YAL1022-SO	SIGN LANGUAGE PANEL	54"	7"	37"	-	-
40	NOAH'S PARK & PLAYGROUNDS	922-224-F	CHIMES FREE STANDING PANEL	32"	6"	22"	-	-
41	NOAH'S PARK & PLAYGROUNDS	922-225-F	BONGOS FREESTANDING PANEL	2'-8"	6"	22"	-	-
42	NOAH'S PARK & PLAYGROUNDS	PFS041	LEARNING JUNCTION FREESTANDING PANEL	6'-6"	9"	22"	-	-
43	KINETICS NOISE	-	ACOUSTIC WALL PANELS	4'-0"	2"	2'-0"	-	THREE TOTAL COLOR VARIATIONS



KEY PLAN

N.T.S

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

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NJ - 21AI02003100 | PA - RA410435

Architect

2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln, Princeton, NJ 085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

Scale
AS NOTED

Drawing Name
ROOM LAYOUTS WITH GENERAL NOTES, DETAILS ROOM FINISH & EQUIPMENT SCHEDULE

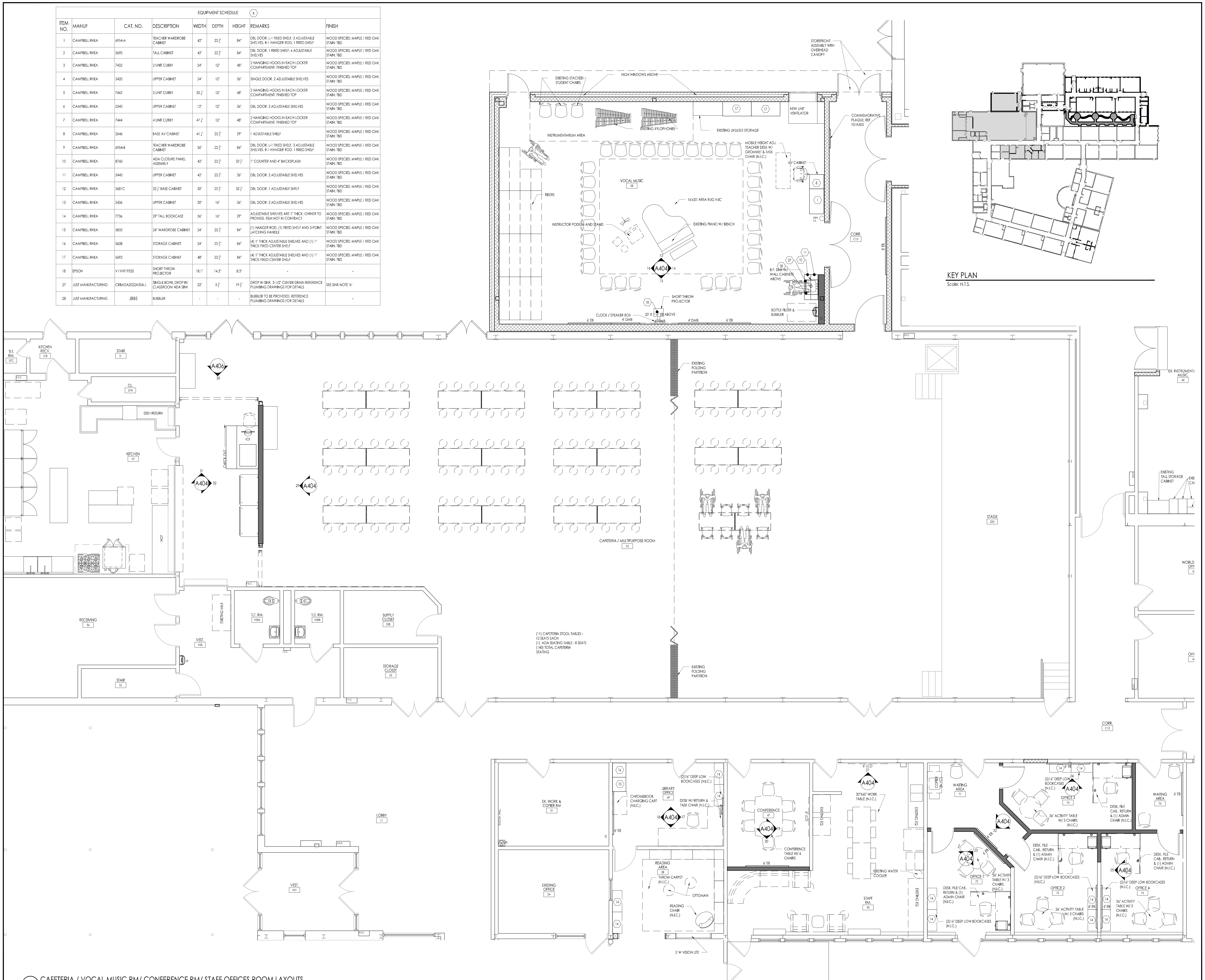
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A402

EQUIPMENT SCHEDULE ⟨X⟩

ITEM NO.	MANUF	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS	FINISH
1	CAMPBELL RHEA	6954-A	TEACHER WARDROBE CABINET	42"	22 1/2"	84"	DBL DOOR. L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES. R-1 HANGER ROD, 1 FIXED SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
2	CAMPBELL RHEA	5690	TALL CABINET	42"	22 1/2"	84"	DBL DOOR. 1 FIXED SHELF, 4 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
3	CAMPBELL RHEA	7432	2 UNIT CUBBY	24"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
4	CAMPBELL RHEA	5420	UPPER CABINET	24"	12"	36"	SINGLE DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
5	CAMPBELL RHEA	7442	3 UNIT CUBBY	35 1/4"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
6	CAMPBELL RHEA	5340	UPPER CABINET	12"	12"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
7	CAMPBELL RHEA	7444	4 UNIT CUBBY	47 1/4"	12"	48"	2 HANGING HOOKS IN EACH LOCKER COMPARTMENT, FINISHED TOP	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
8	CAMPBELL RHEA	2646	BASE AV CABINET	41 1/4"	22 1/2"	29"	1 ADJUSTABLE SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
9	CAMPBELL RHEA	6954-B	TEACHER WARDROBE CABINET	36"	22 1/2"	84"	DBL DOOR. L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES. R-1 HANGER ROD, 1 FIXED SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
10	CAMPBELL RHEA	8760	ADA CLOSURE PANEL ASSEMBLY	42"	22 1/2"	32 1/2"	1" COUNTER AND 4" BACKSPLASH	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
11	CAMPBELL RHEA	5440	UPPER CABINET	42"	22 1/2"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
12	CAMPBELL RHEA	3681C	32 1/2" BASE CABINET	30"	22 1/2"	32 1/2"	DBL DOOR. 1 ADJUSTABLE SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
13	CAMPBELL RHEA	5436	UPPER CABINET	30"	16"	36"	DBL DOOR. 2 ADJUSTABLE SHELVES	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
14	CAMPBELL RHEA	7736	29" TALL BOOKCASE	36"	16"	29"	ADJUSTABLE SHELVES ARE 1" THICK. OWNER TO PROVIDE, ITEM NOT IN CONTRACT	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
15	CAMPBELL RHEA	5850	24" WARDROBE CABINET	24"	22 1/2"	84"	(1) HANGER ROD, (1) FIXED SHELF AND 3-POINT LATCHING HANDLE	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
16	CAMPBELL RHEA	5608	STORAGE CABINET	24"	22 1/2"	84"	(4) 1" THICK ADJUSTABLE SHELVES AND (1) 1" THICK FIXED CENTER SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
17	CAMPBELL RHEA	5692	STORAGE CABINET	48"	22 1/2"	84"	(4) 1" THICK ADJUSTABLE SHELVES AND (1) 1" THICK FIXED CENTER SHELF	WOOD SPECIES: MAPLE / RED OAK STAIN: TBD
18	EPSON	V11H919520	SHORT THROW PROJECTOR	18.1"	14.3"	8.3"	-	-
27	JUST MANUFACTURING	CRBADA2022A554-J	SINGLE BOWL DROP-IN CLASSROOM ADA SINK	22"	5 1/2"	19 1/2"	DROP IN SINK, 3-1/2" CENTER DRAIN REFERENCE PLUMBING DRAWINGS FOR DETAILS	SEE SINK NOTE 'A'
28	JUST MANUFACTURING	JBB5	BUBBLER	-	-	-	BUBBLER TO BE PROVIDED. REFERENCE PLUMBING DRAWINGS FOR DETAILS	-



1 CAFETERIA / VOCAL MUSIC RM/ CONFERENCE RM/ STAFF OFFICES ROOM LAYOUTS
Scale: 1/4" = 1'-0"

NJDCA Electronic Release Stamp

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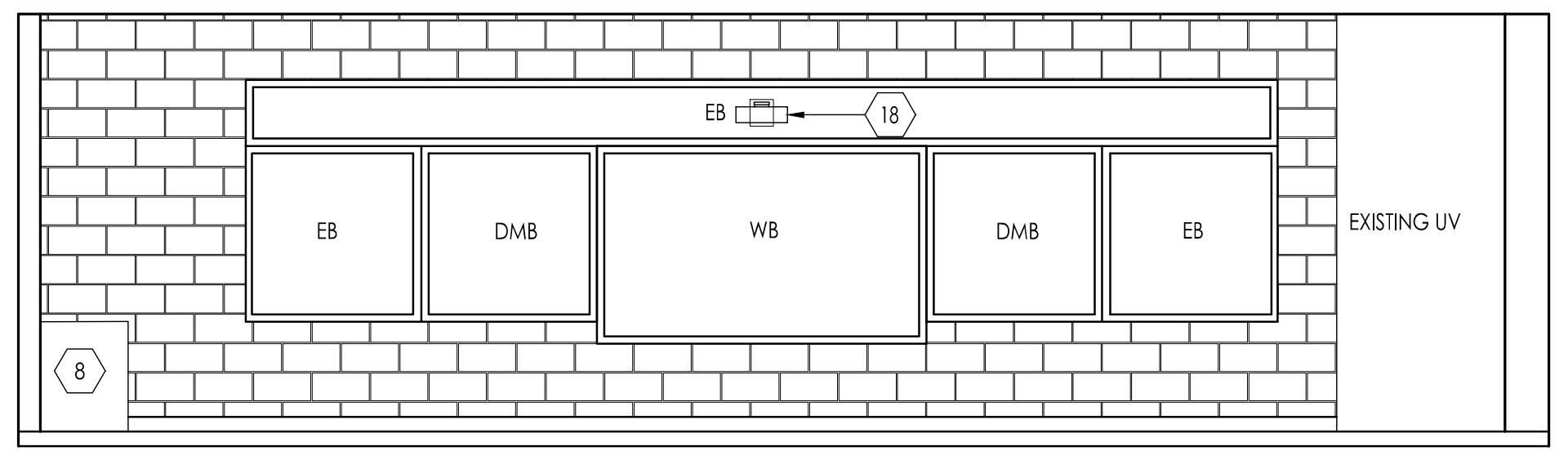
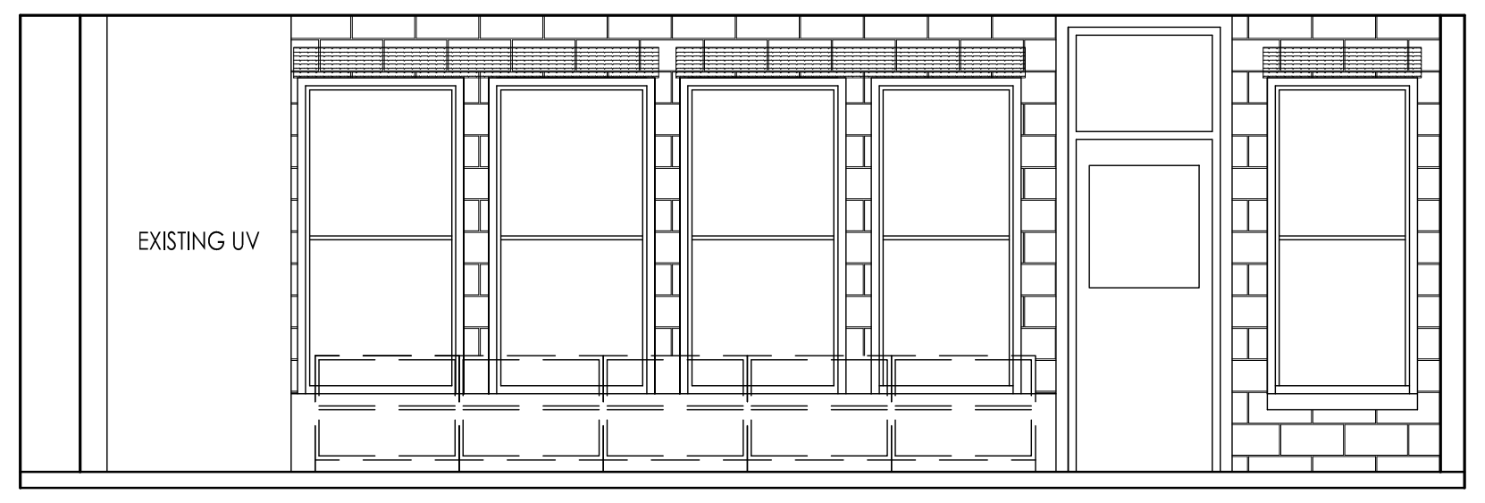
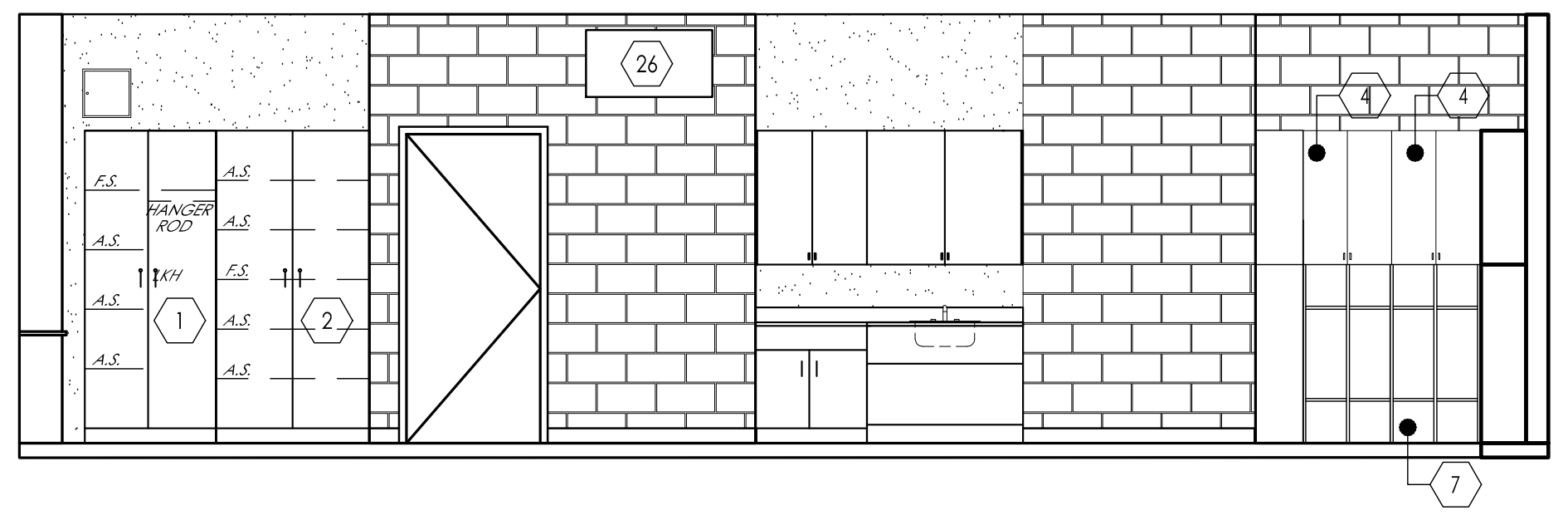
Drawing Number
A403



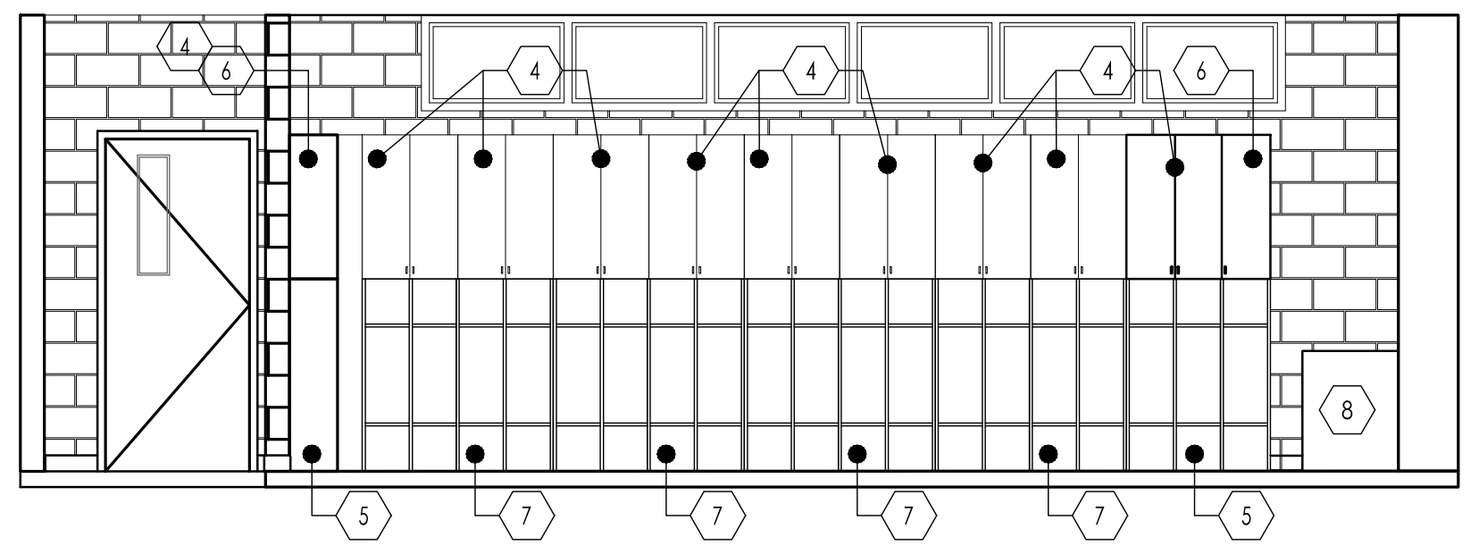
① ROOM 17 ELEVATION
1/4" = 1'-0"



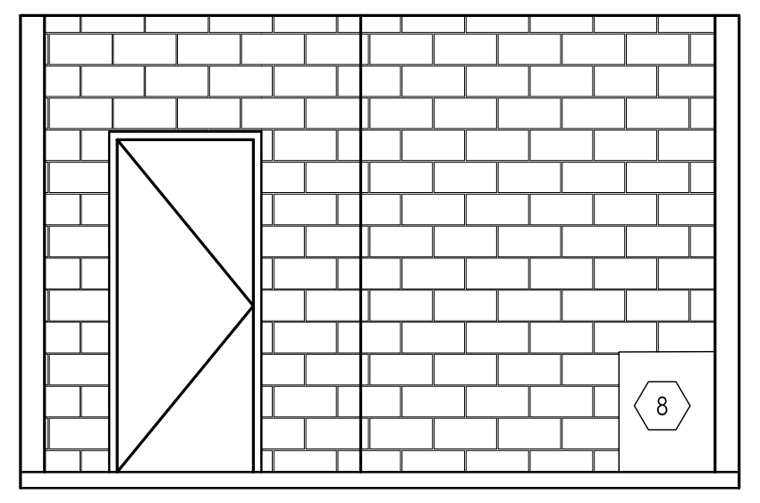
② ROOM 17 ELEVATION
1/4" - 1'-0"



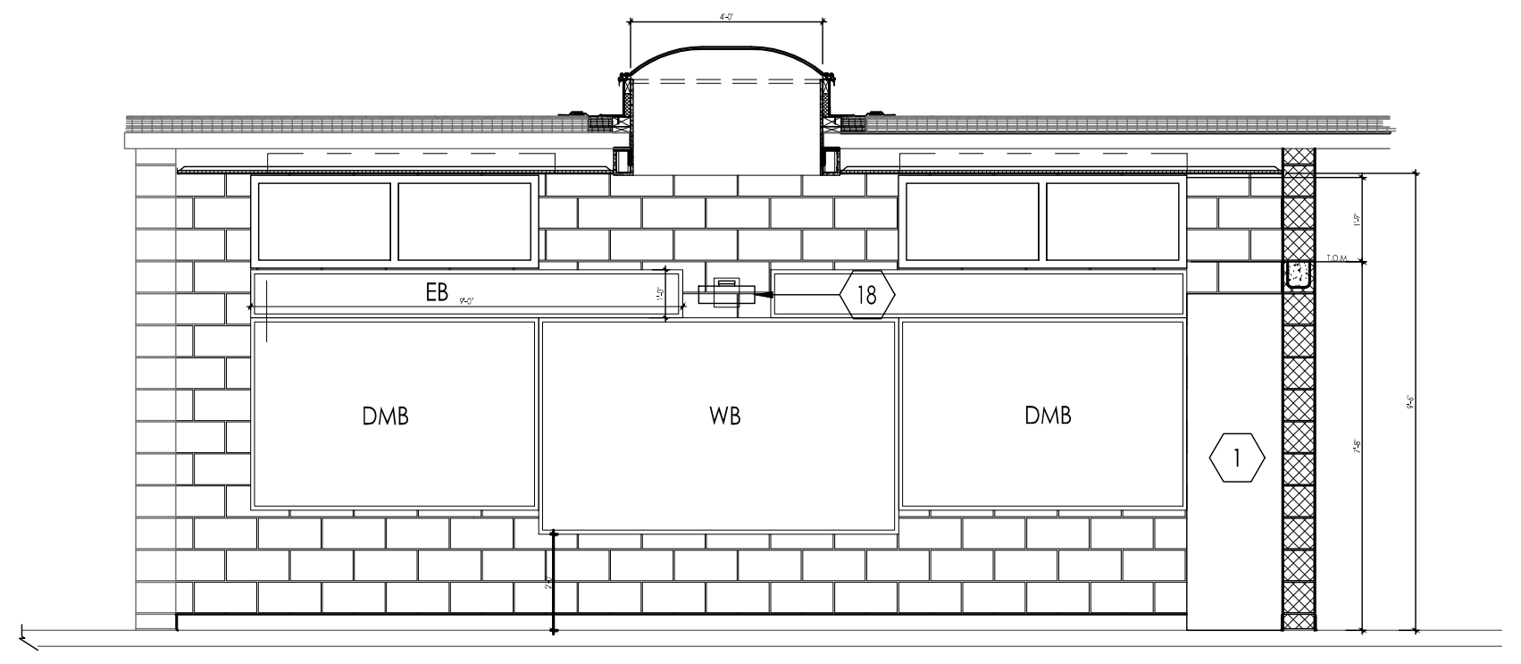
③ ROOM 17 ELEVATION
1/4" = 1'-0"



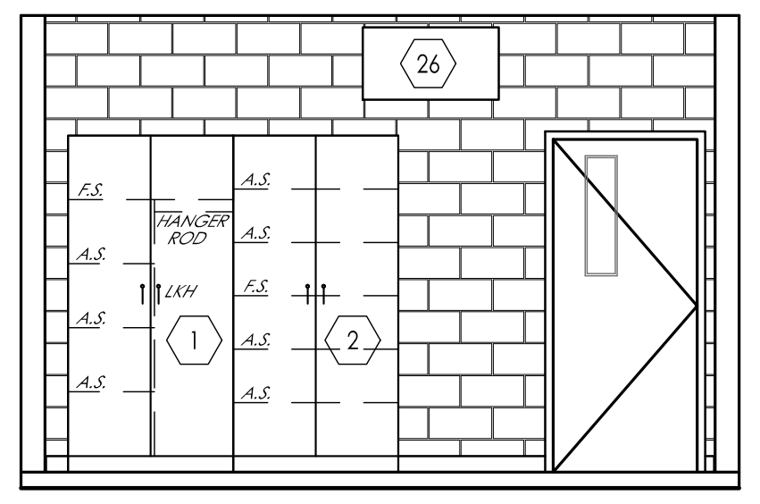
④ ROOM 17 ELEVATION
1/4" = 1'-0"



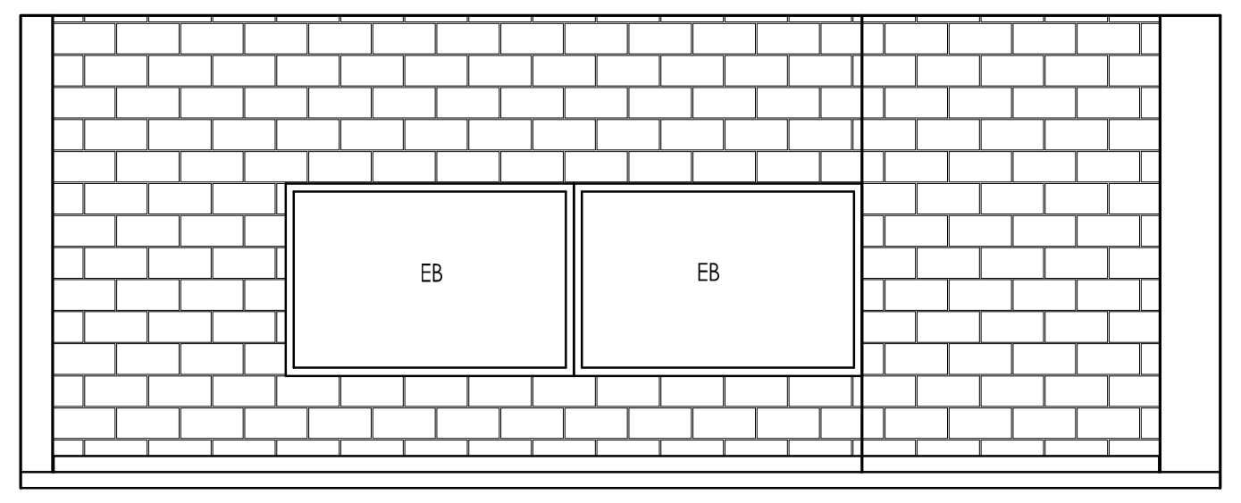
⑤ ROOM 17A ELEVATION
1/4" = 1'-0"



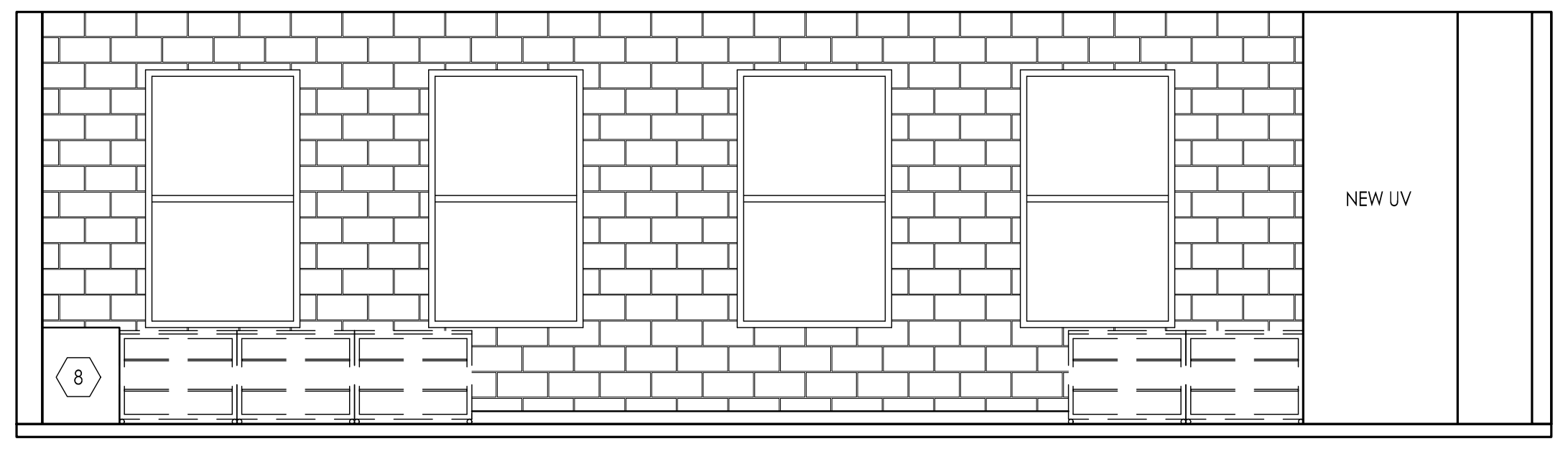
⑥ ROOM 17A ELEVATION
1/4" = 1'-0"



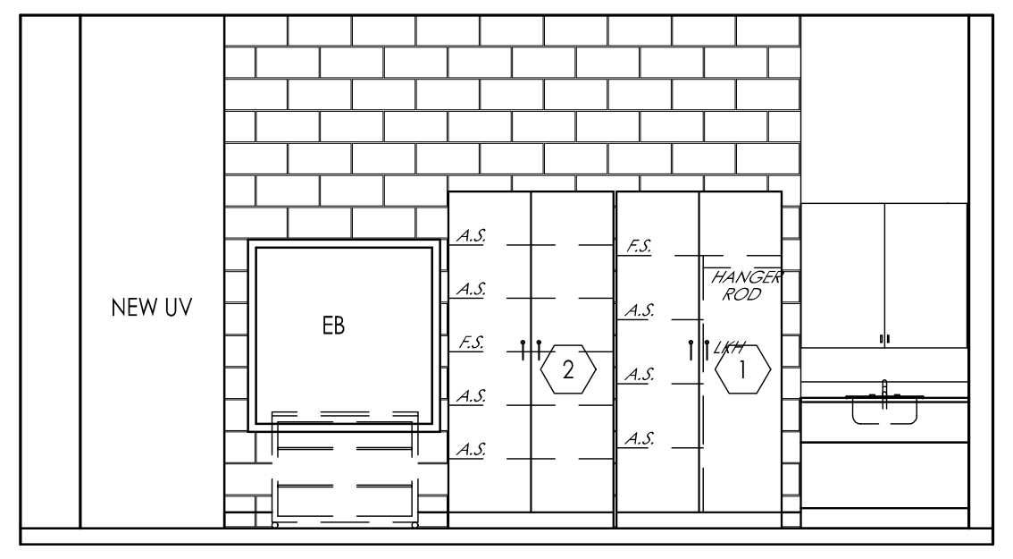
⑦ ROOM 17A ELEVATION
1/4" = 1'-0"



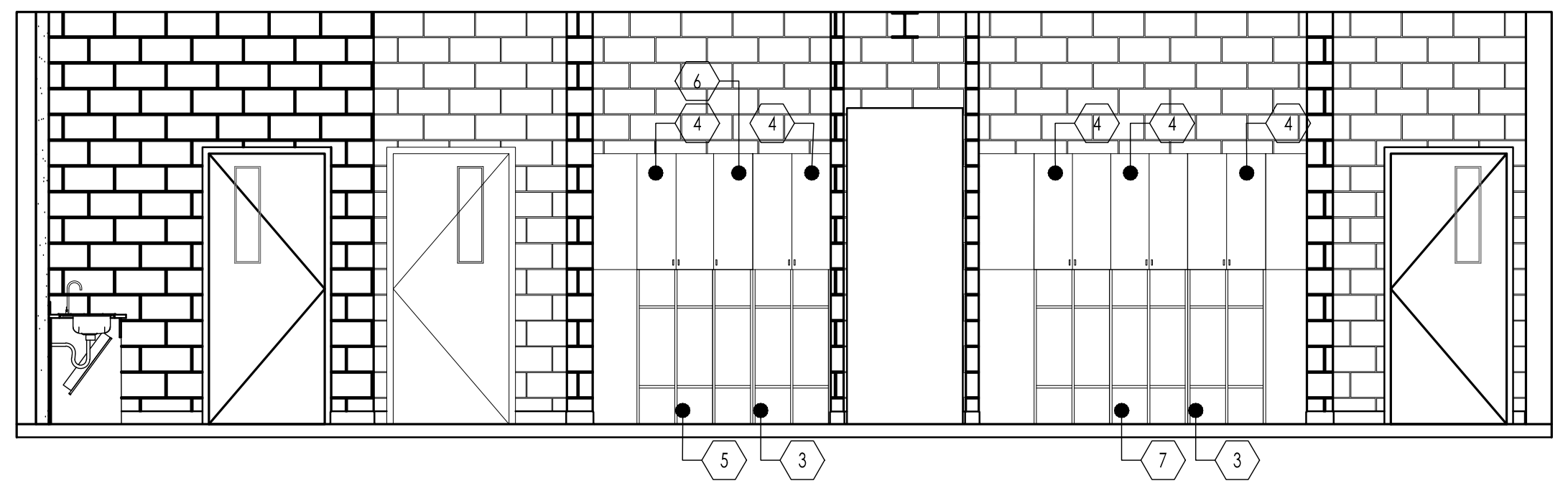
⑧ ROOM 17A ELEVATION
1/4" = 1'-0"



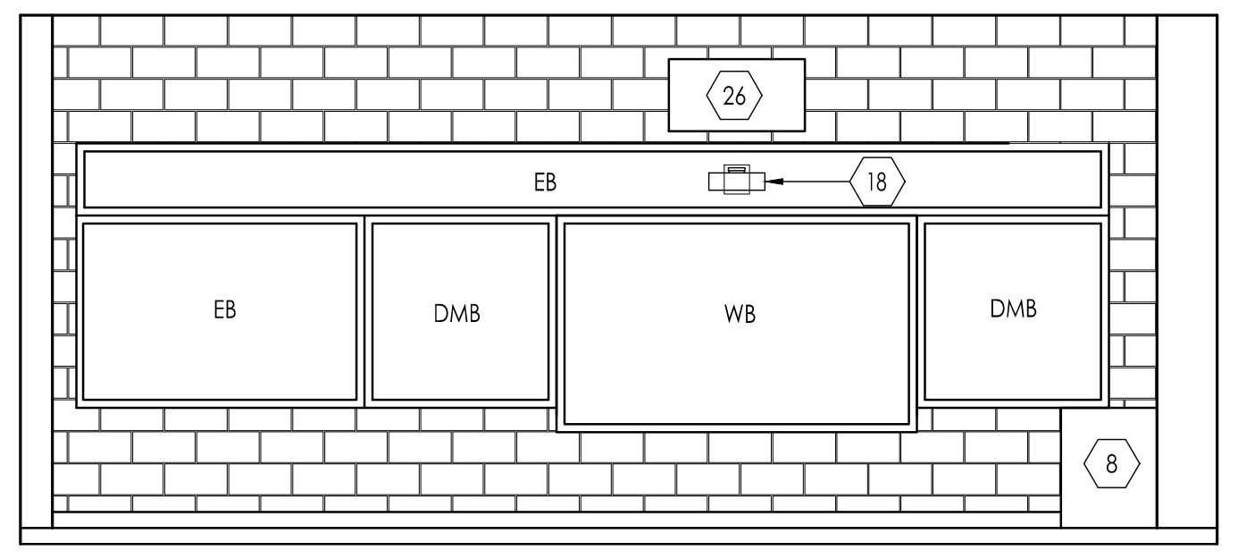
⑨ ROOM 66 ELEVATION
1/4" = 1'-0"



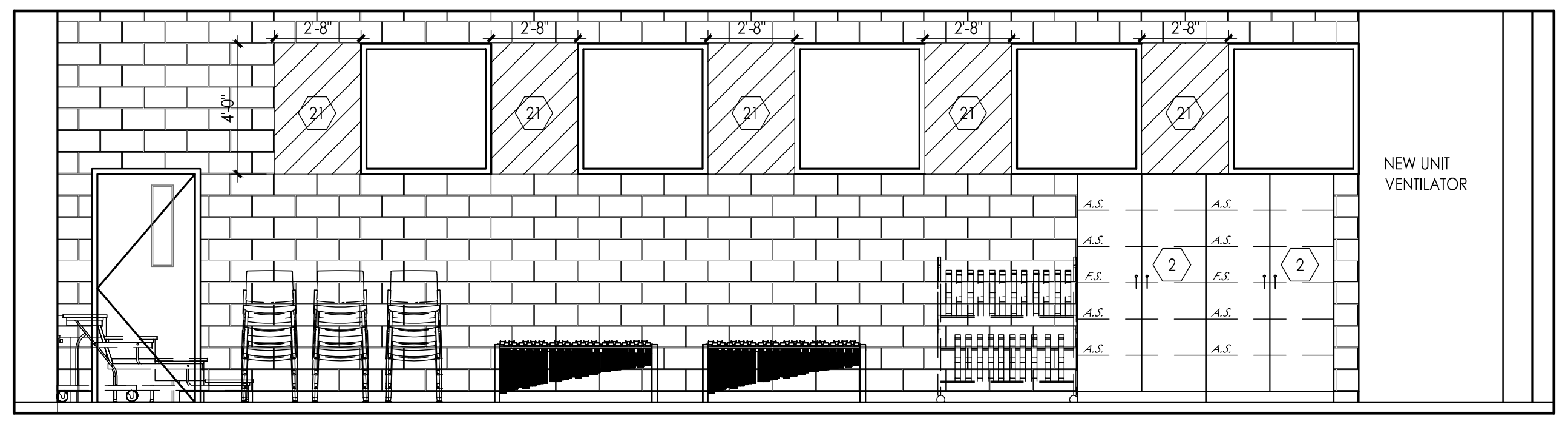
⑩ ROOM 66 ELEVATION
1/4" = 1'-0"



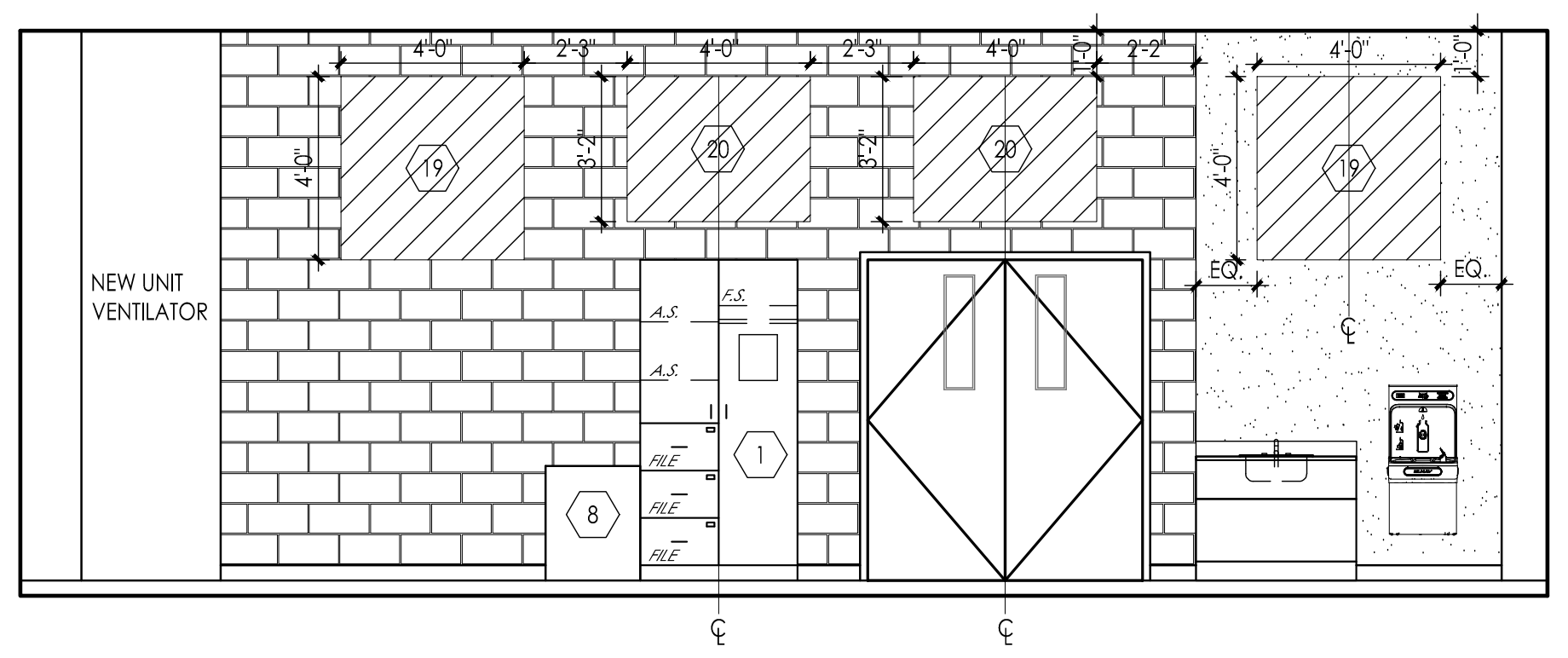
⑪ ROOM 66 ELEVATION
1/4" = 1'-0"



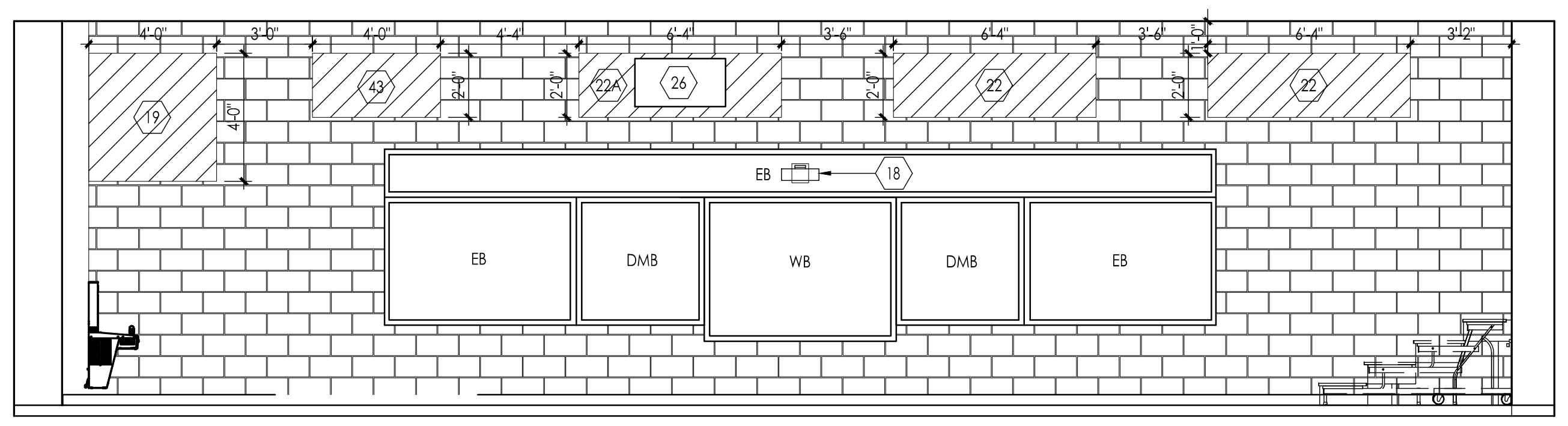
⑫ ROOM 66 ELEVATION
1/4" = 1'-0"



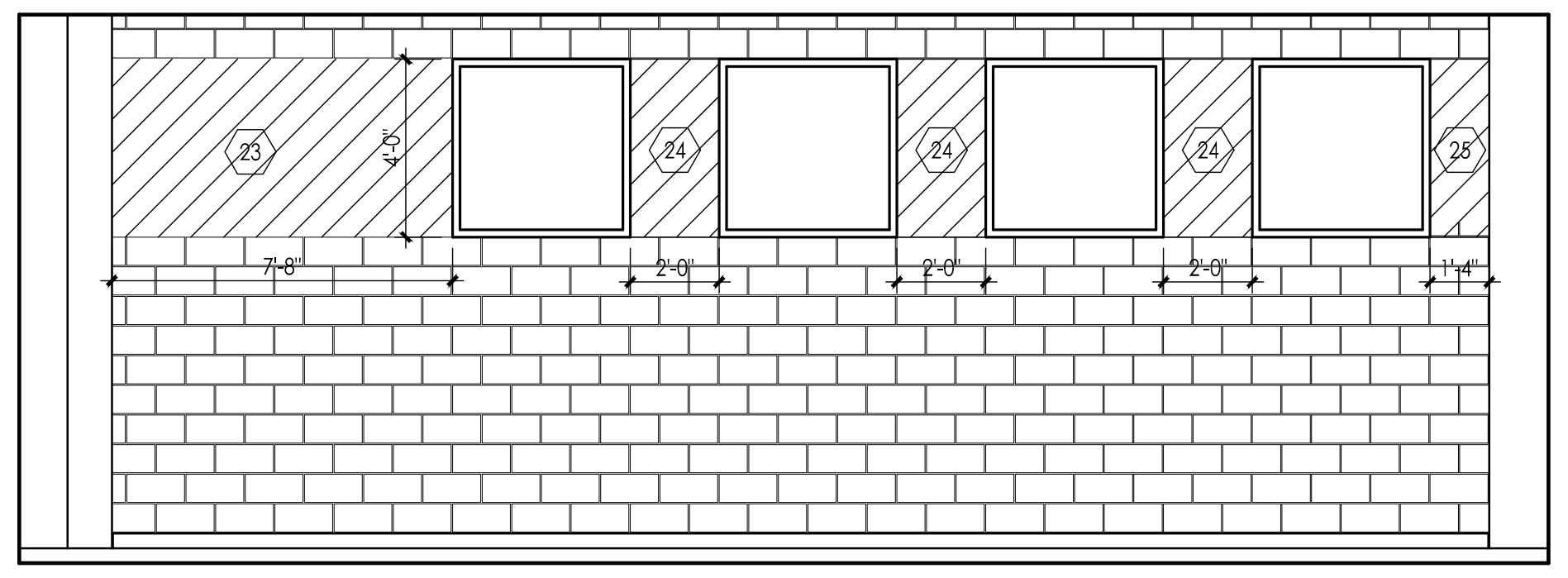
⑬ VOCAL ROOM 53 ELEVATION
1/4" = 1'-0"



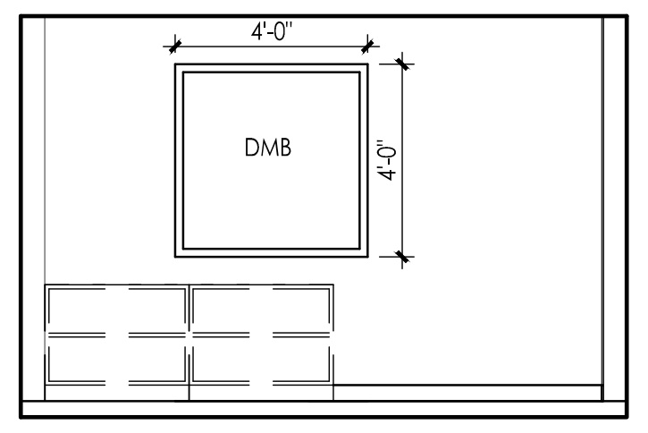
⑭ VOCAL ROOM 53 ELEVATION
1/4" = 1'-0"



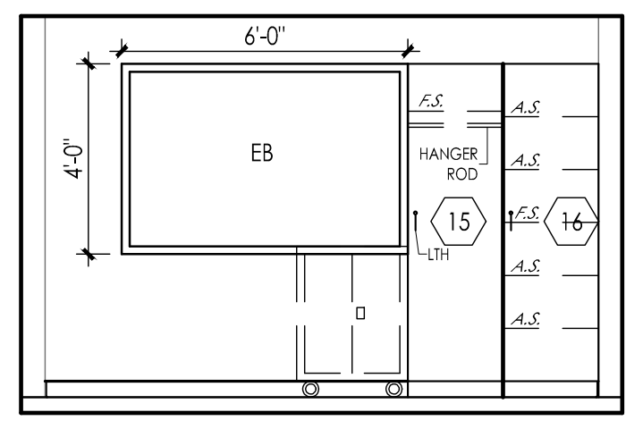
⑮ VOCAL ROOM 53 ELEVATION
1/4" = 1'-0"



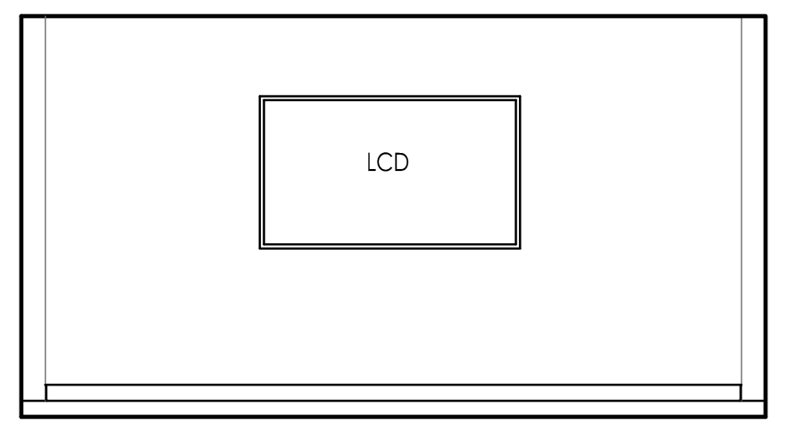
⑯ VOCAL ROOM 53 ELEVATION
1/4" = 1'-0"



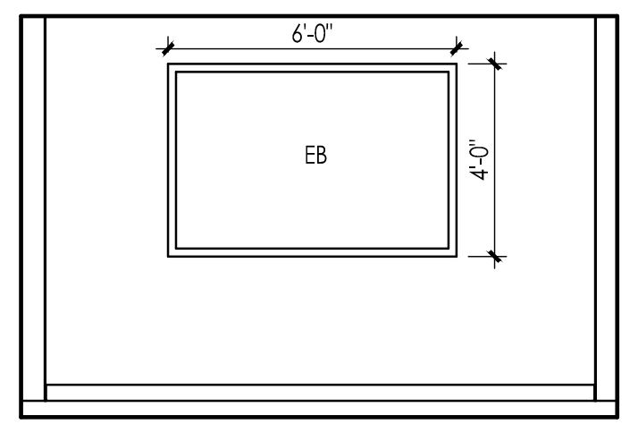
⑰ LIBRARY OFFICE 49
1/4" = 1'-0"



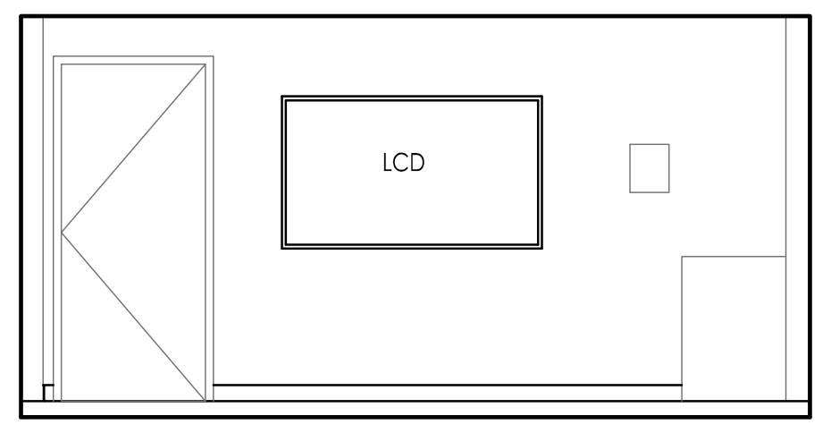
⑱ LIBRARY OFFICE 49
1/4" = 1'-0"



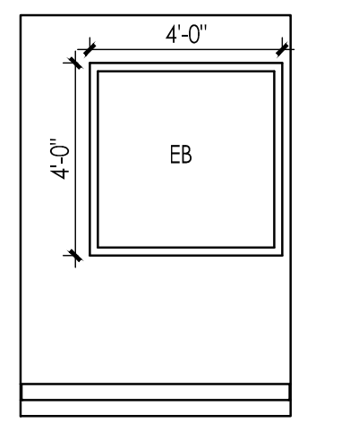
⑲ CONFERENCE ROOM 47
1/4" = 1'-0"



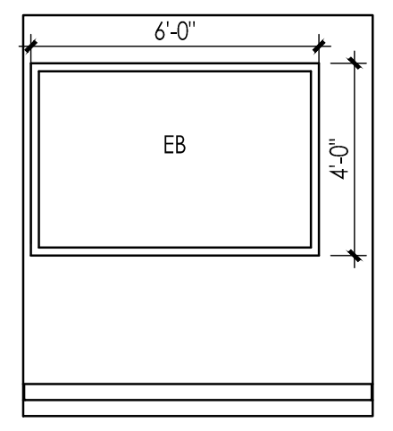
⑳ CONFERENCE ROOM 47
1/4" = 1'-0"



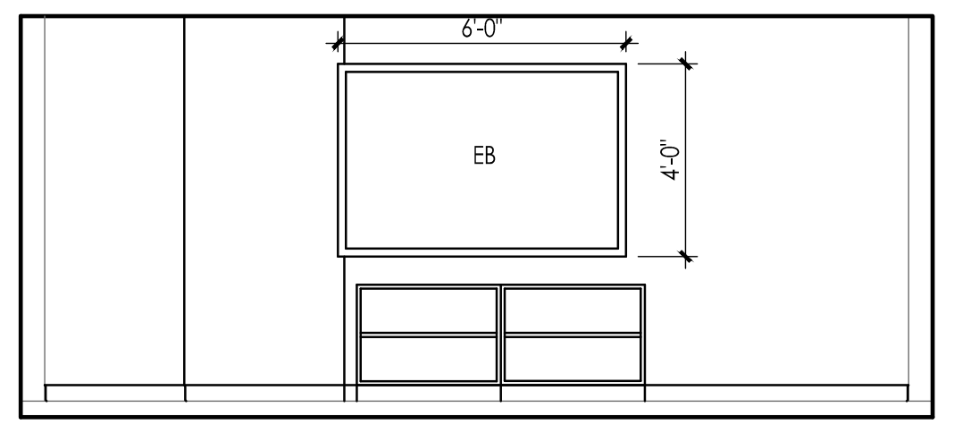
㉑ STAFF ROOM 45
1/4" = 1'-0"



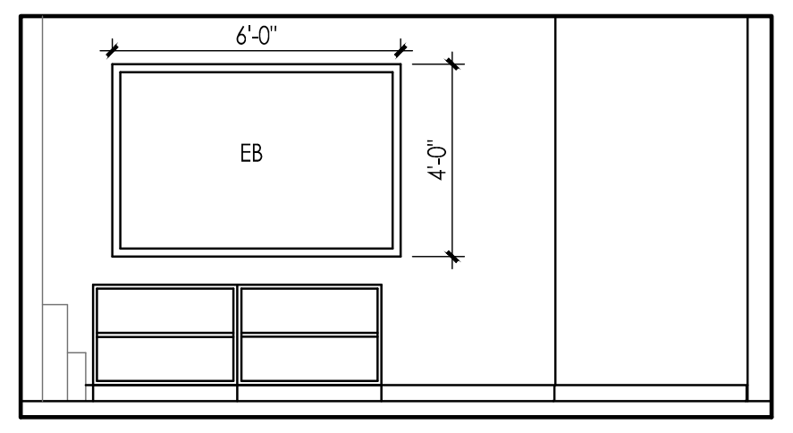
㉒ WAITING AREA
1/4" = 1'-0"



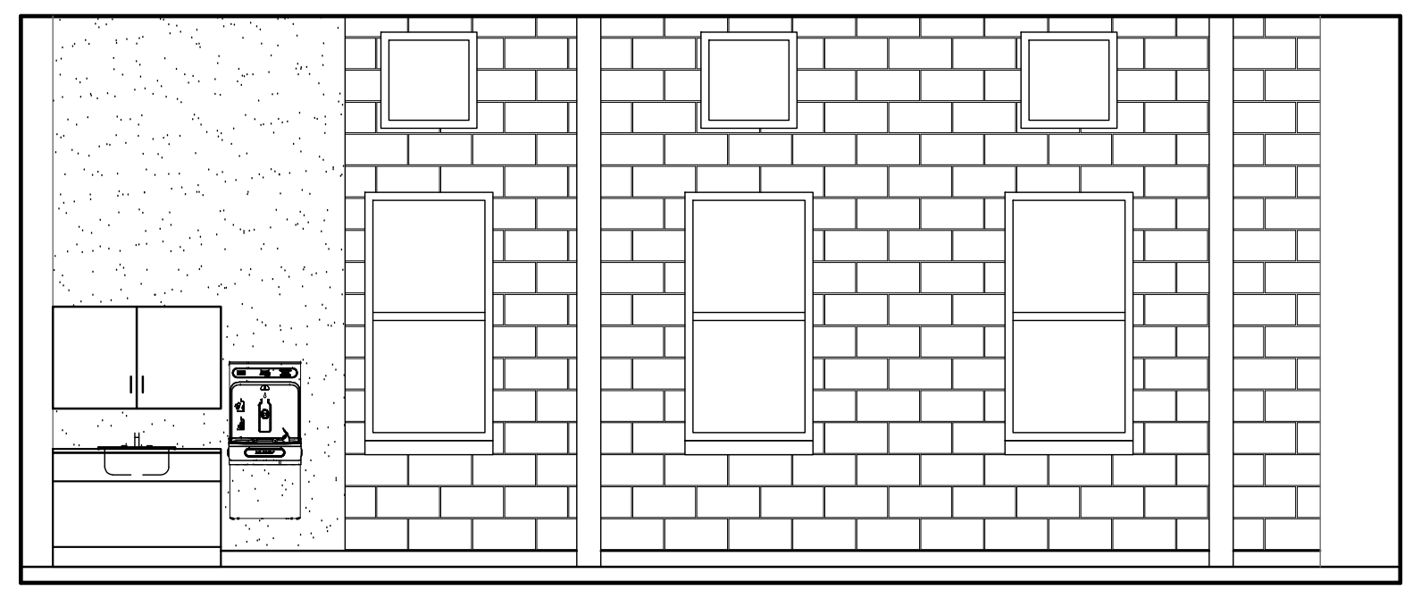
㉓ OFFICE 1
1/4" = 1'-0"



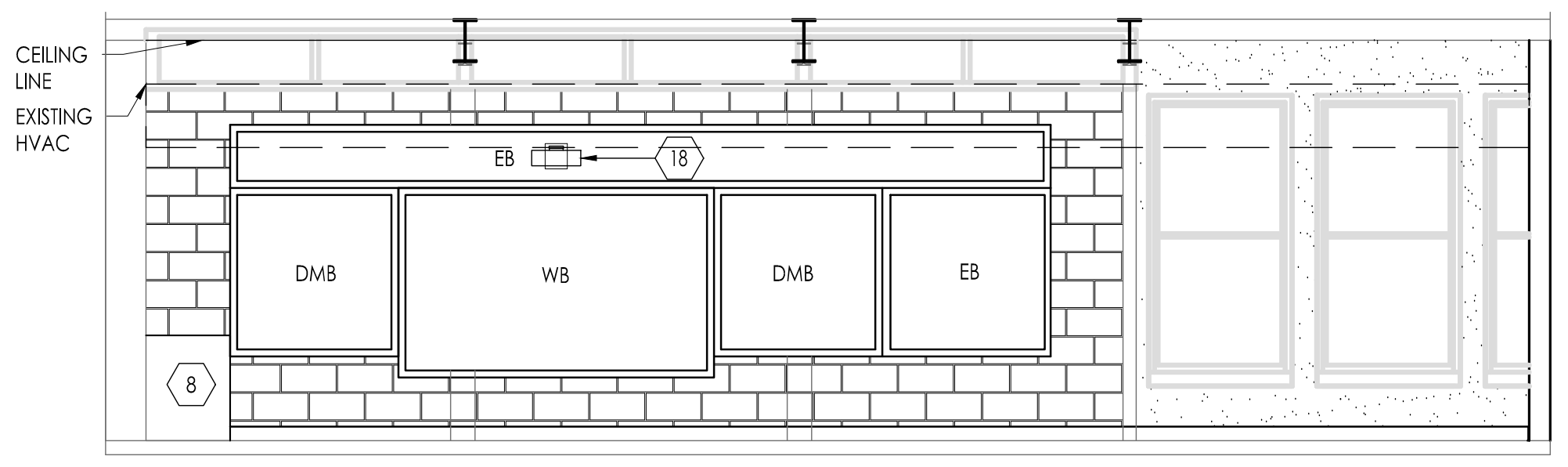
㉔ OFFICE 3
1/4" = 1'-0"



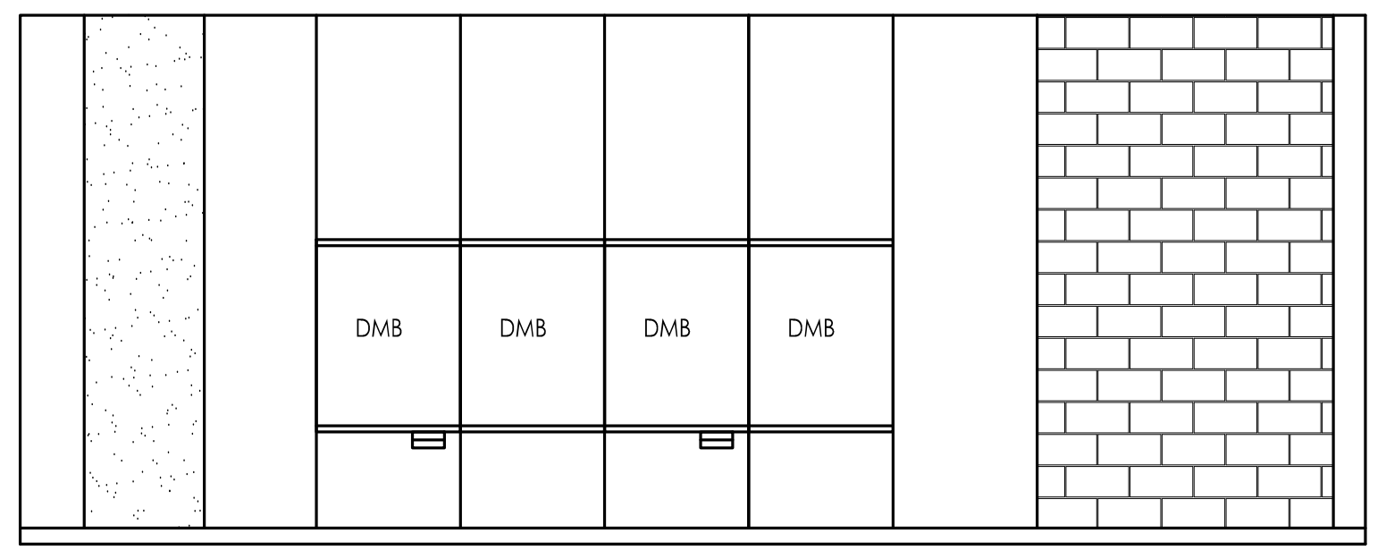
㉕ OFFICE 4
1/4" = 1'-0"



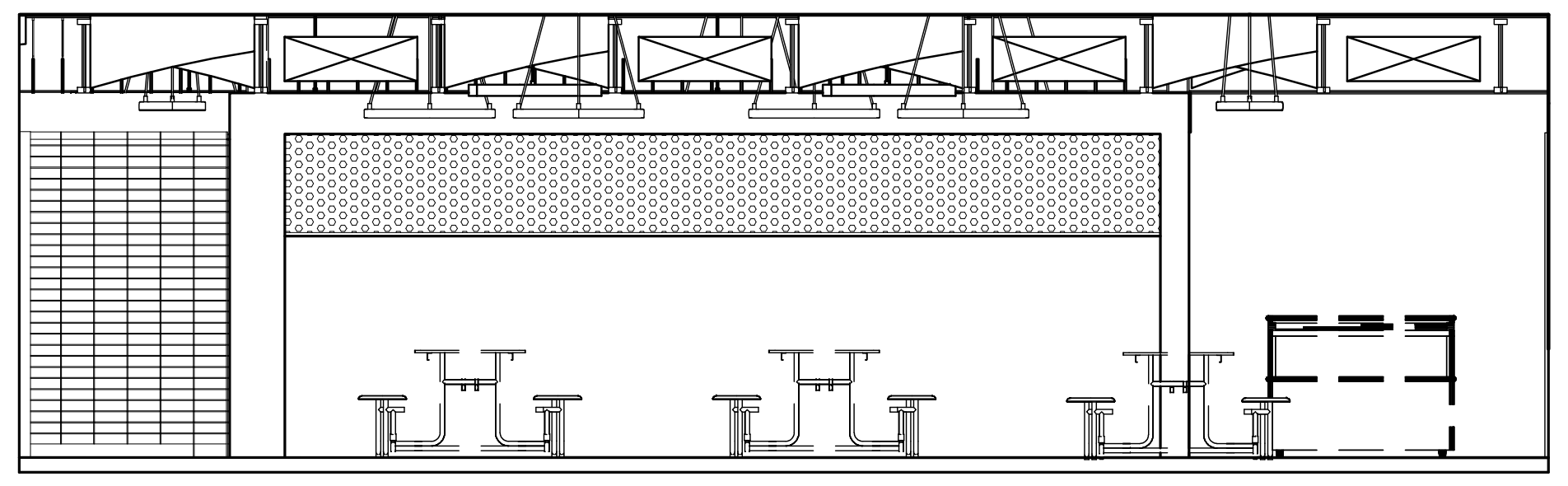
㉖ INSTRUMENTAL MUSIC 44
1/4" = 1'-0"



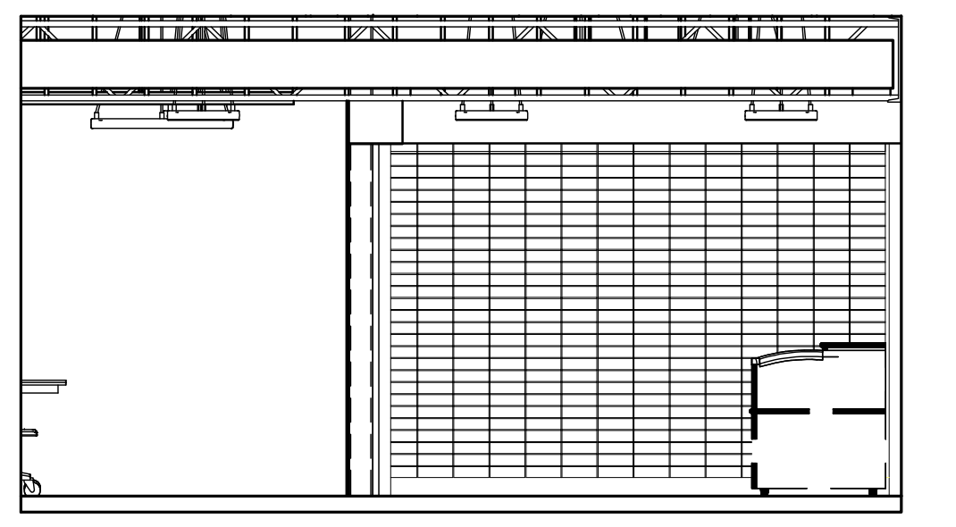
㉗ ROOM 16 ELEVATION
1/4" = 1'-0"



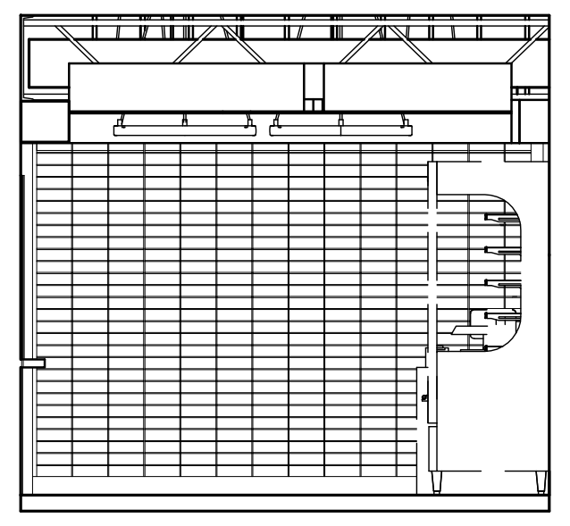
㉘ OPERABLE PARTITION WALL
1/4" = 1'-0"



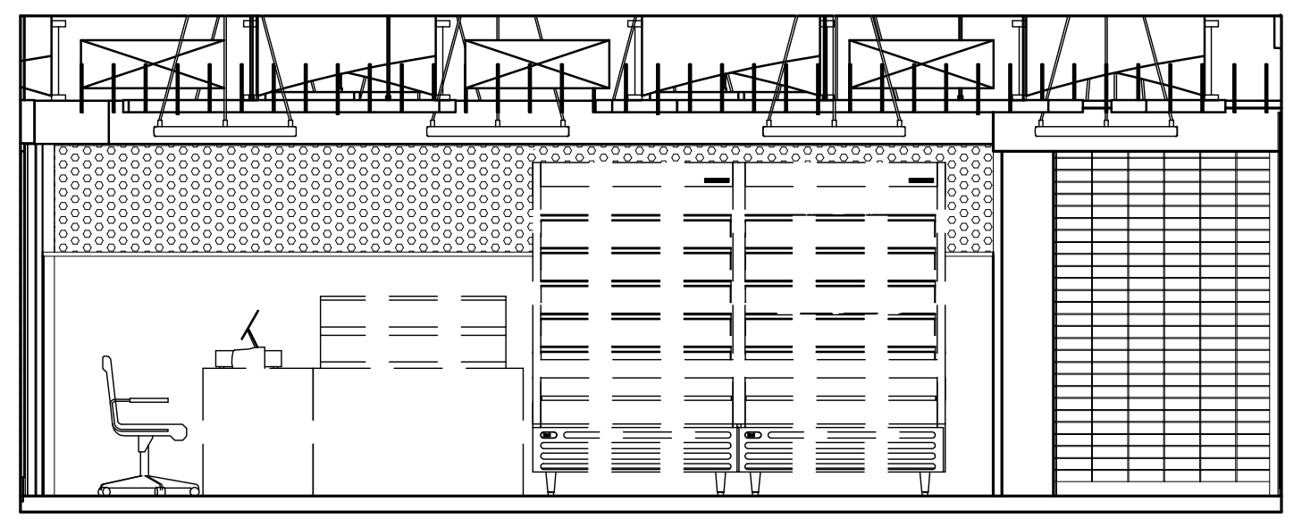
㉙ FRONT ELEVATION CAFE SERVICE AREA
1/4" = 1'-0"



㉚ SIDE ELEVATION
1/4" = 1'-0"



㉛ INSIDE CAFE SIDE
1/4" = 1'-0"



㉜ INSIDE CAFE FRONT
1/4" = 1'-0"

NJDCA Electronic Release Stamp

FVHD architects planners
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Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
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WILLIAM D. HOPKINS III, AIA, LEED AP
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NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

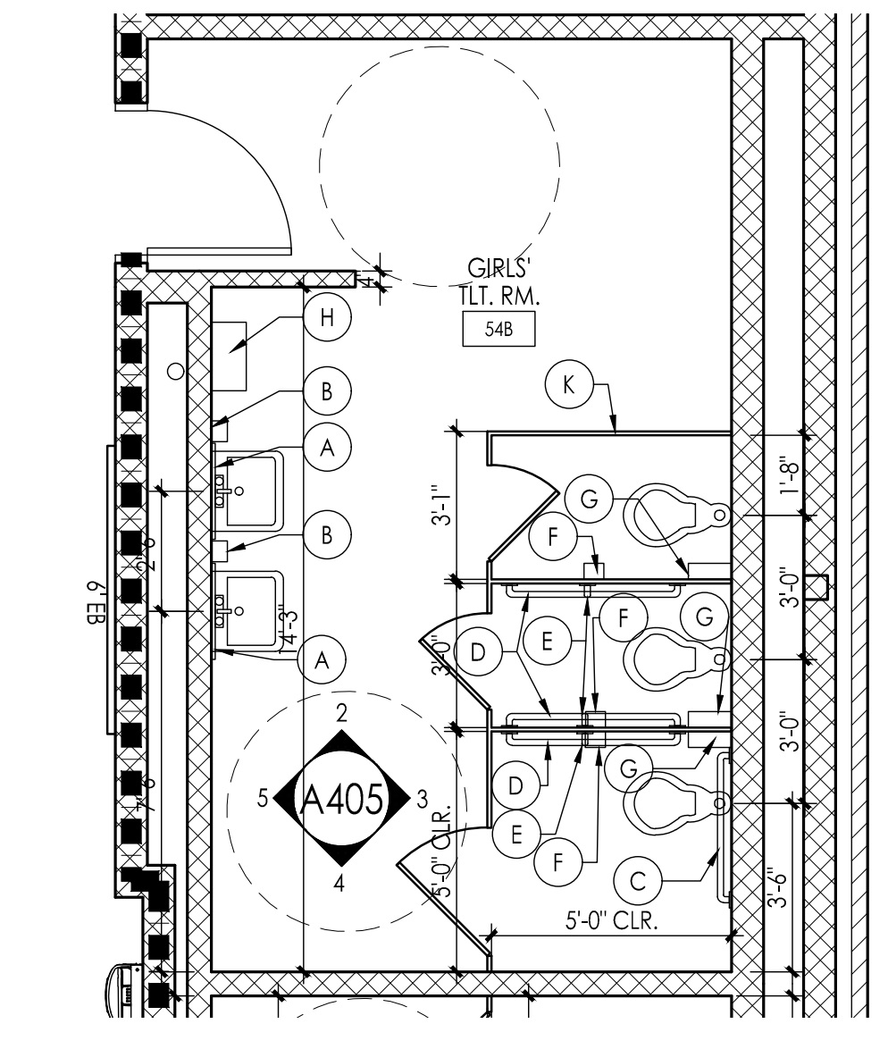
Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
MJS
Scale
AS NOTED

Drawing Name
INTERIOR ELEVATIONS

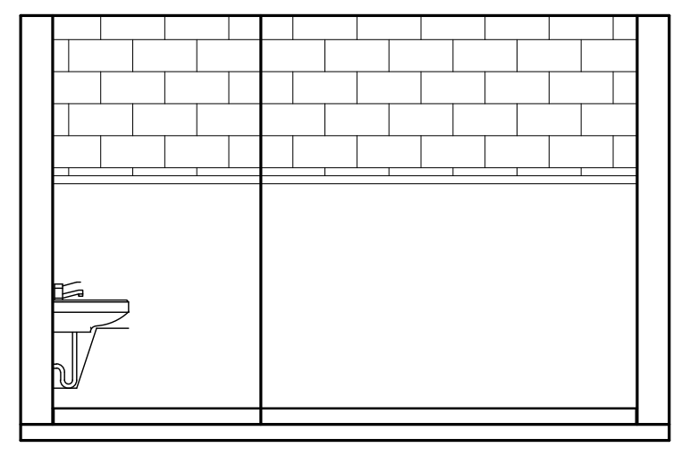
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

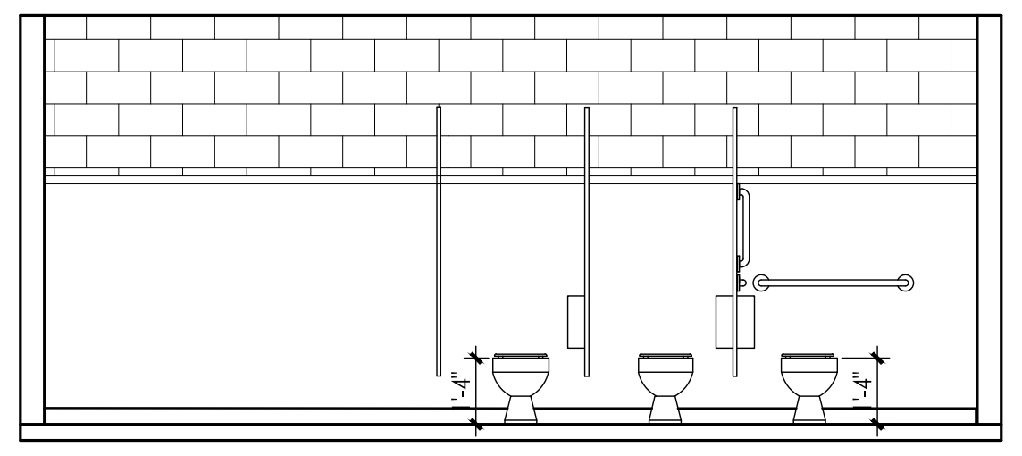
Drawing Number
A404



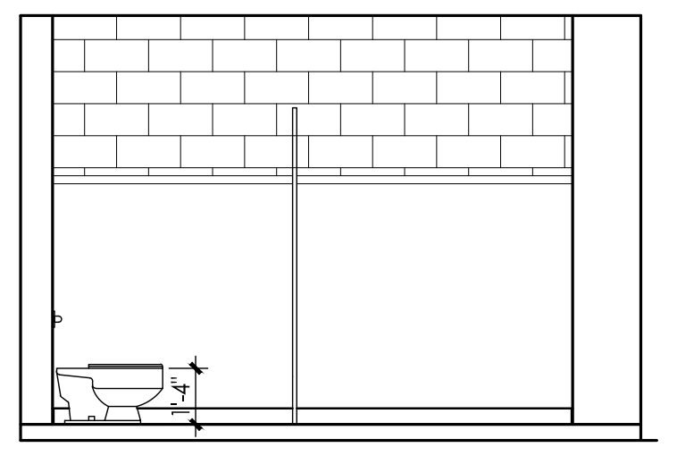
① GIRLS TLT. ROOM 54B PLAN
1/4" = 1'-0"



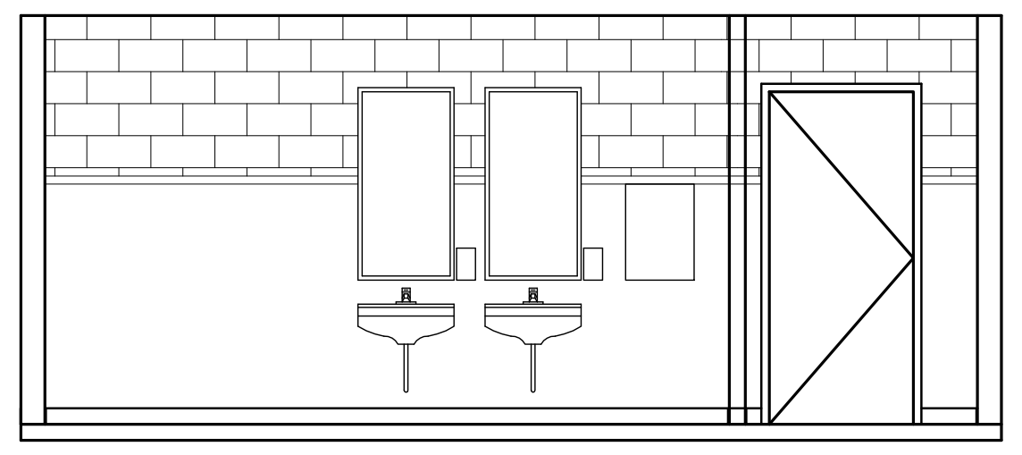
② GIRLS TLT. ROOM 54B ELEVATION
1/4" = 1'-0"



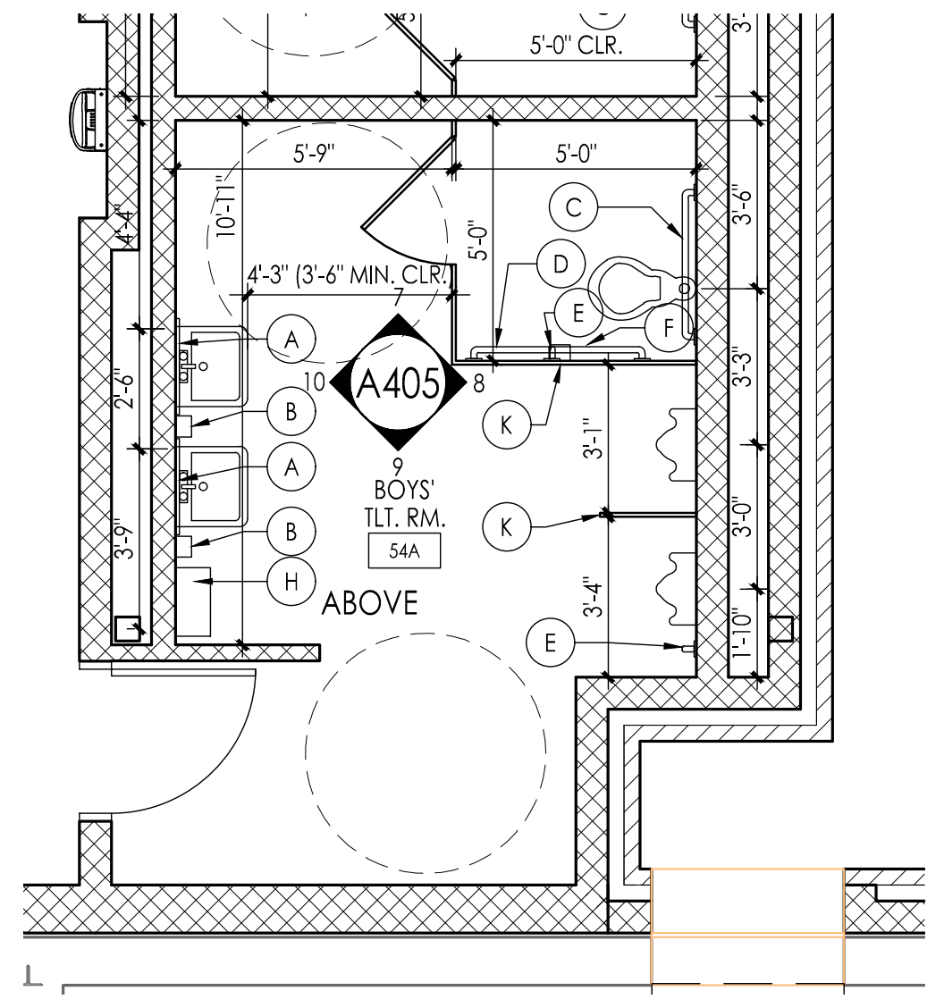
③ GIRLS TLT. ROOM 54B ELEVATION
1/4" = 1'-0"



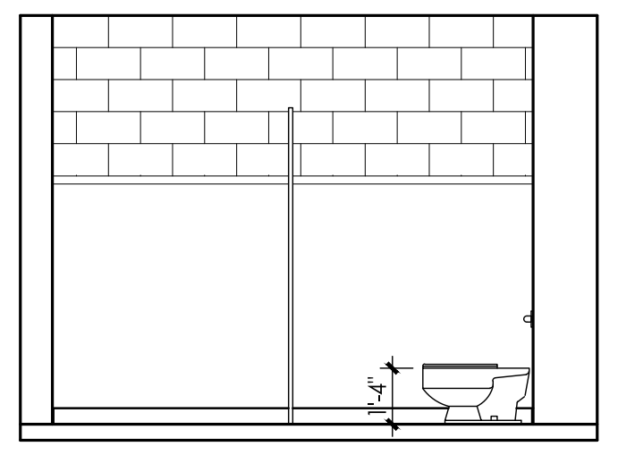
④ GIRLS TLT. ROOM 54B ELEVATION
1/4" = 1'-0"



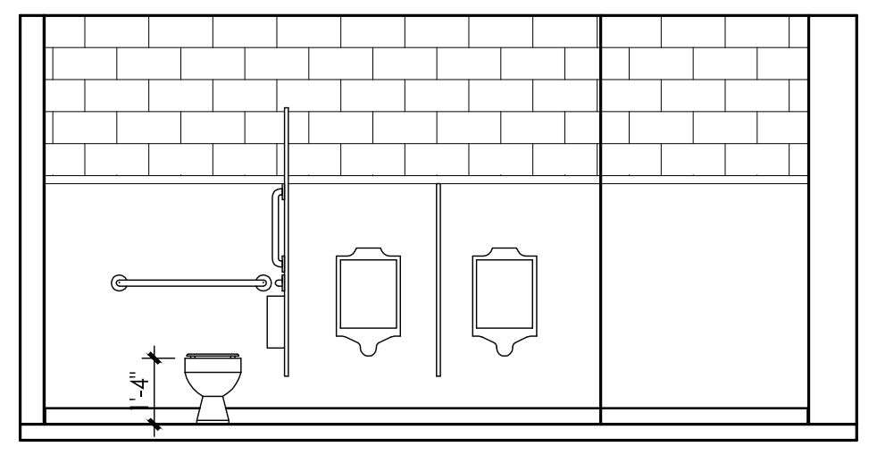
⑤ GIRLS TLT. ROOM 54B ELEVATION
1/4" = 1'-0"



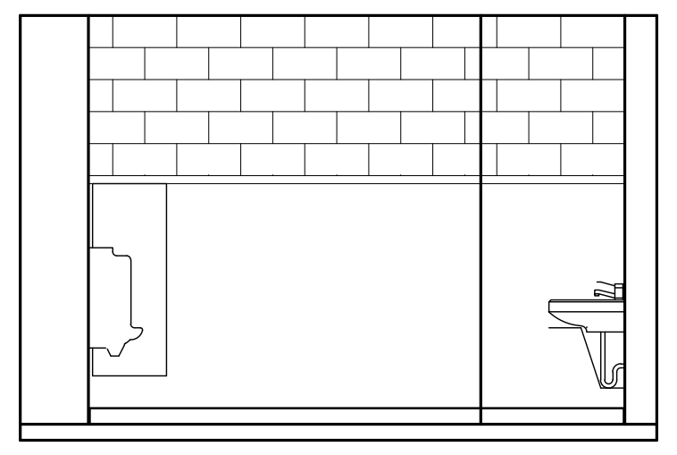
⑥ BOYS TLT. ROOM 54A PLAN
1/4" = 1'-0"



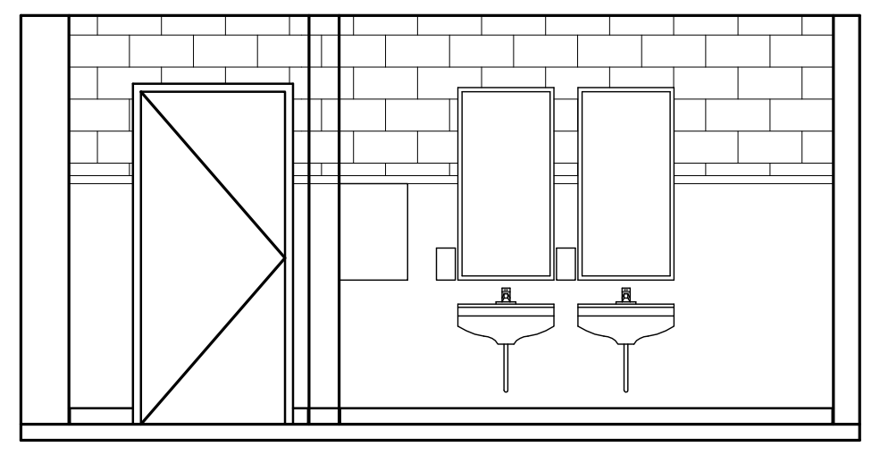
⑦ BOYS TLT. ROOM 54A ELEVATION
1/4" = 1'-0"



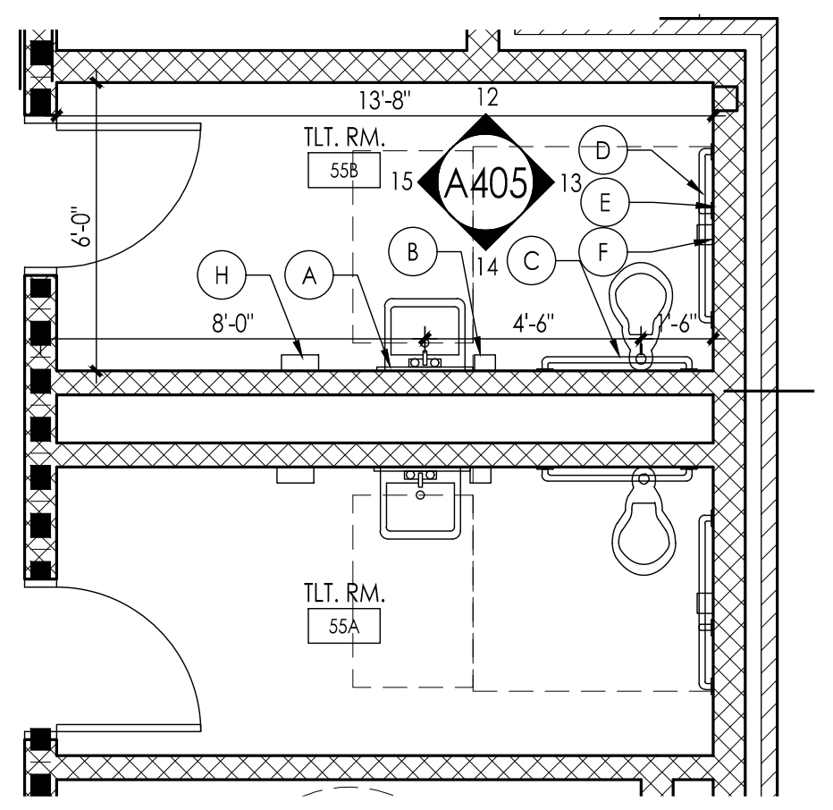
⑧ BOYS TLT. ROOM 54A ELEVATION
1/4" = 1'-0"



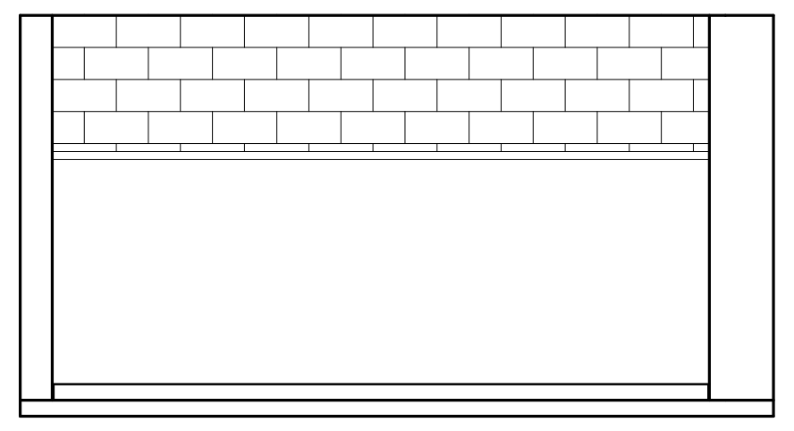
⑨ BOYS TLT. ROOM 54A ELEVATION
1/4" = 1'-0"



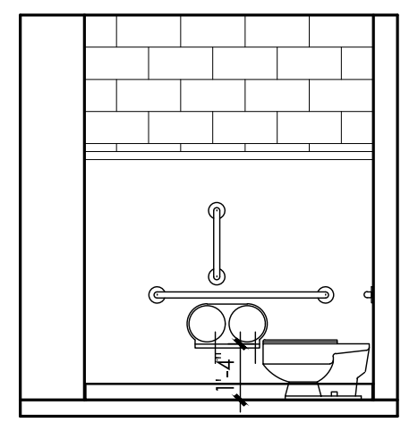
⑩ BOYS TLT. ROOM 54A ELEVATION
1/4" = 1'-0"



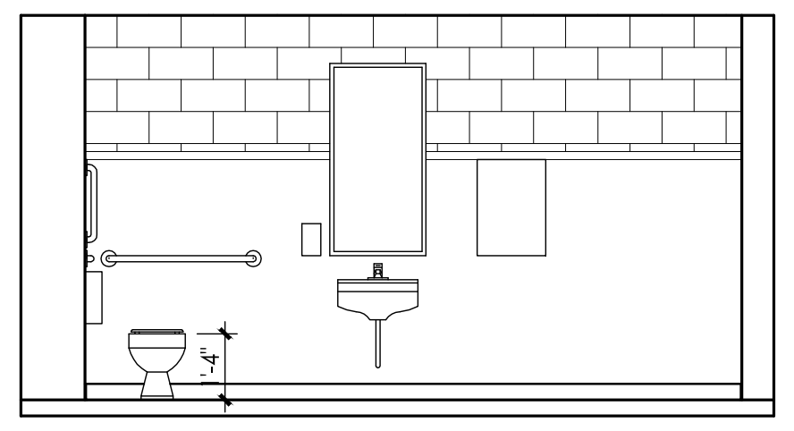
⑪ TLT. RM 55B (RM 55A MIRRORED)
1/4" = 1'-0"



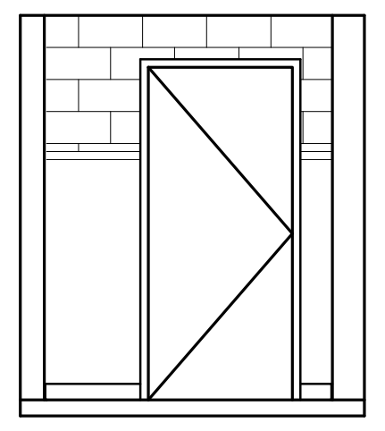
⑫ TLT. ROOM 55B ELEVATION
1/4" = 1'-0"



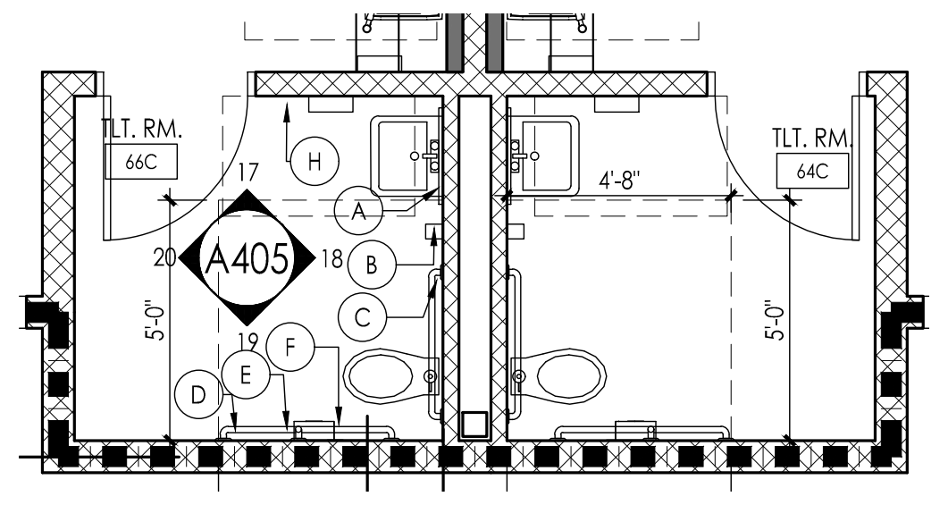
⑬ TLT. ROOM 55B ELEVATION
1/4" = 1'-0"



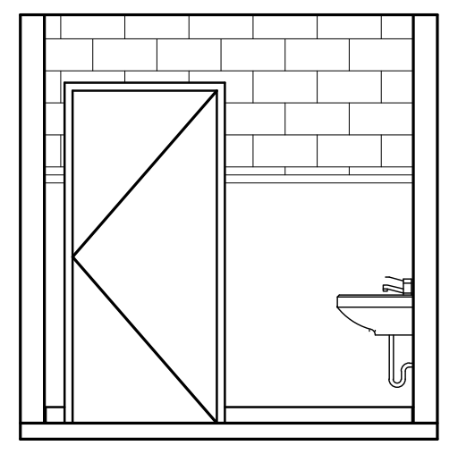
⑭ TLT. ROOM 55B ELEVATION
1/4" = 1'-0"



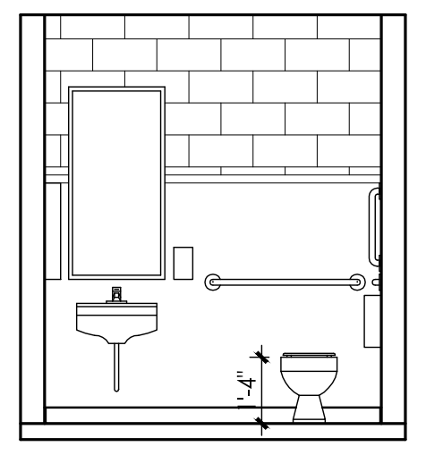
⑮ TLT. ROOM 55B ELEVATION
1/4" = 1'-0"



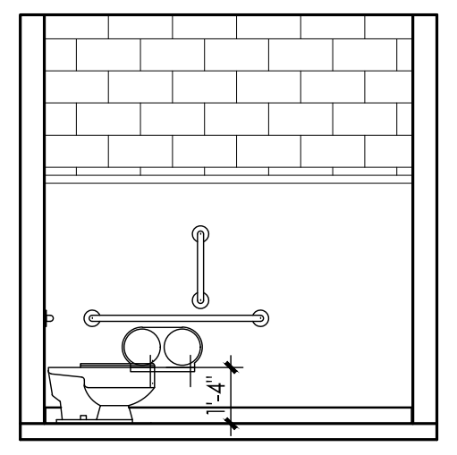
⑯ TLT. ROOM 66C PLAN (RM 64C MIRRORED)
1/4" = 1'-0"



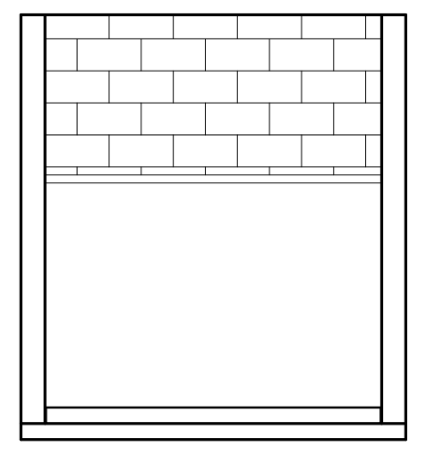
⑰ TLT. ROOM 66C ELEVATION
1/4" = 1'-0"



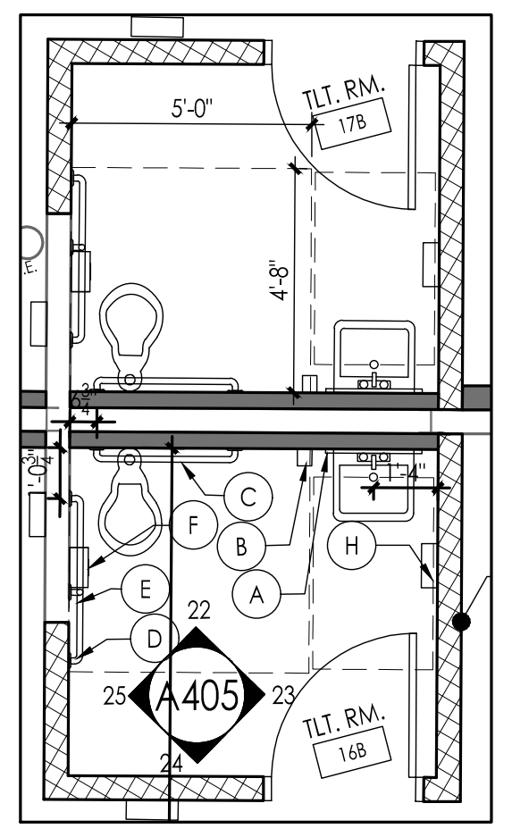
⑱ TLT. ROOM 66C ELEVATION
1/4" = 1'-0"



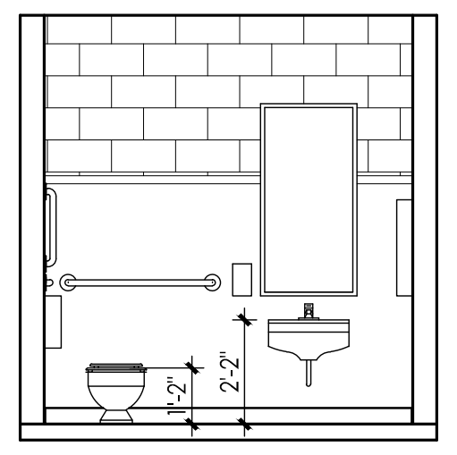
⑲ TLT. ROOM 66C ELEVATION
1/4" = 1'-0"



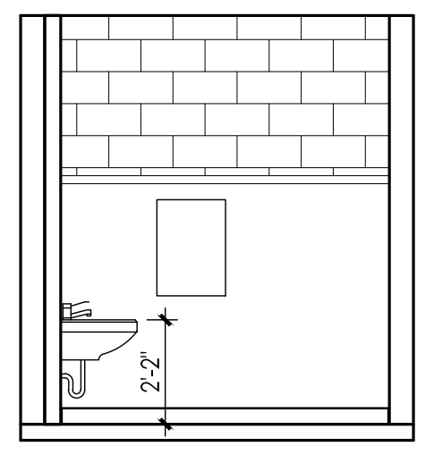
⑳ TLT. ROOM 66C ELEVATION
1/4" = 1'-0"



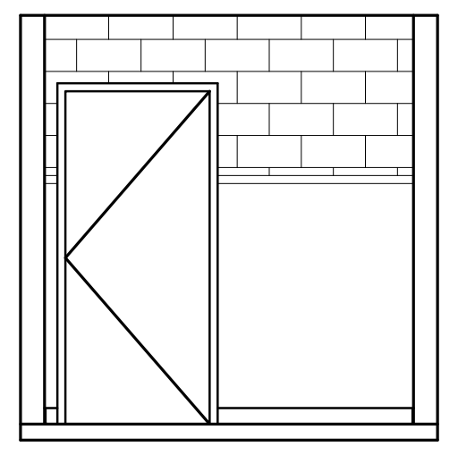
㉑ TLT. ROOM 16B PLAN (17B MIRRORED)
1/4" = 1'-0"



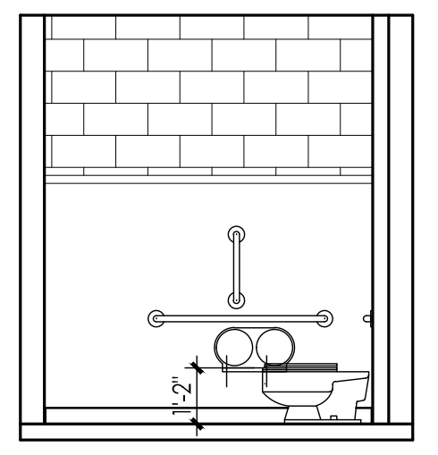
㉒ TLT. ROOM 16B ELEVATION
1/4" = 1'-0"



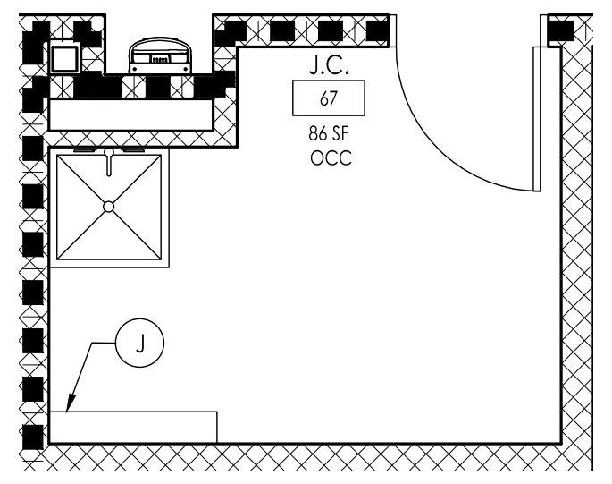
㉓ TLT. ROOM 16B ELEVATION
1/4" = 1'-0"



㉔ TLT. ROOM 16B ELEVATION
1/4" = 1'-0"



㉕ TLT. ROOM 16B ELEVATION
1/4" = 1'-0"



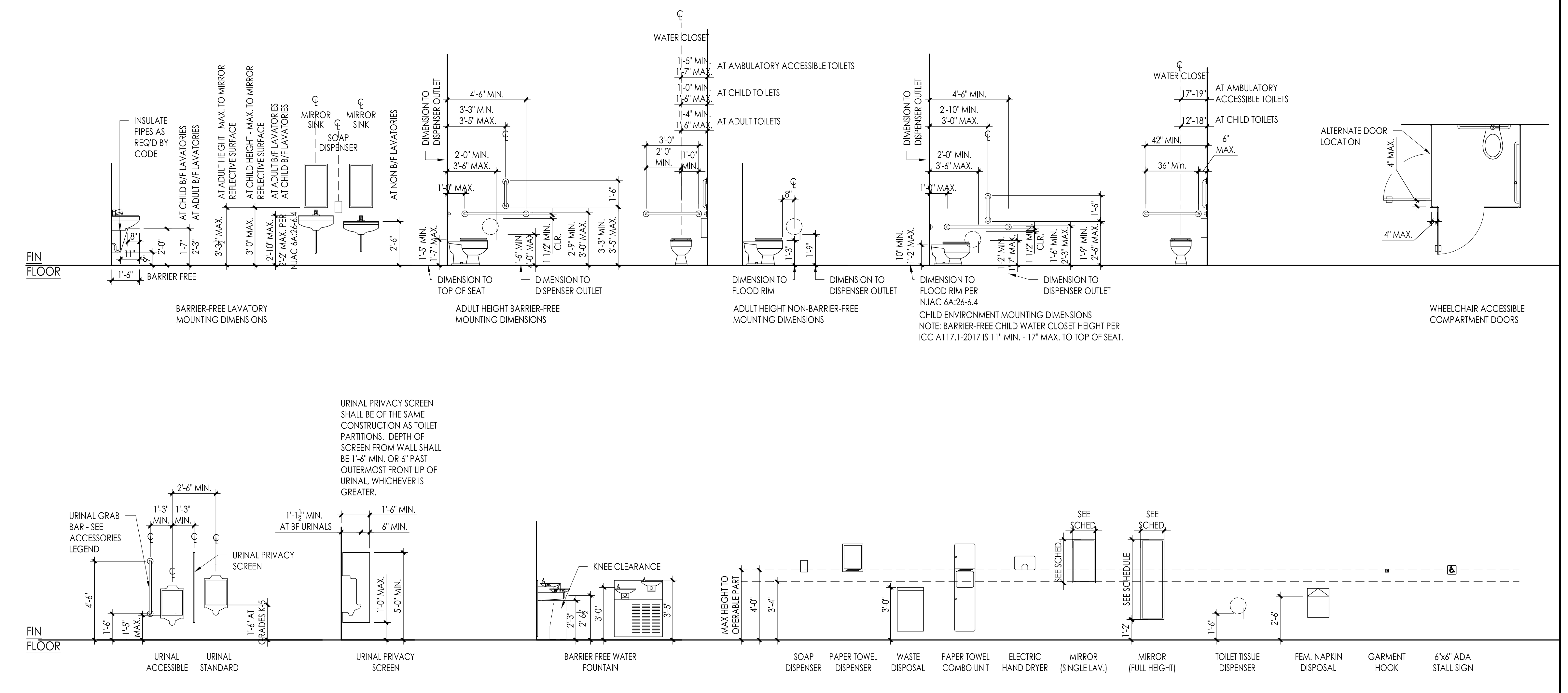
㉖ J.C. 67 PLAN
1/4" = 1'-0"

TOILET ROOM ACCESSORIES

NO.	CAT. NO.	DESCRIPTION	SIZE			REMARKS
			W	H	D	
A	#781-1830-2	MIRROR	18"	30"		1/4" TEMPERED GLASS MIRROR, MITERED FRAME
B	--	SOAP DISPENSER	--	--	--	SEE NOTE 3
C	#812-2	GRAB BAR	36"	--	1-1/2" OD	PEENED FINISH
D	#812-2	GRAB BAR	42"	--	1-1/2" OD	PEENED FINISH
E	#812-2	GRAB BAR	--	18"	1-1/2" OD	PEENED FINISH, MOUNT VERTICAL
F	--	TOILET TISSUE DISPENSER	--	--	--	SEE NOTE 3
G	#4722-15	SANITARY NAPKIN DISPOSAL	10 3/4"	15 1/8"	4"	SURFACE MOUNTED
H	--	PAPER TOWEL DISPENSER	--	--	--	SEE NOTE 3
J	9983	UTILITY SHELF W/ DRYING ROD, 2 HOOKS, 3 HOLDERS	30"	-	8"	FROM BRADLEY CATALOG
K	--	FLOOR MOUNTED OVERHEAD BRACED PARTITIONS	--	55"	1"	CLASS A FIRED RATED; CONT. HINGE

NOTES:
1. ALL CATALOG NUMBERS REFER TO BRADLEY WASHROOM ACCESSORIES UNLESS NOTED OTHERWISE. ALL SCHEDULED EQUIPMENT MANUFACTURERS ARE "BASIS OF DESIGN," OR APPROVED EQUAL.
2. INSTALL HANDICAP SIGNAGE ON FRONT OF ALL ADA TOILET STALLS. SEE SIGNAGE TYPE ON A603.
3. SUPPLIED BY OWNER, INSTALLED BY GENERAL CONTRACTOR.
4. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

STANDARD TOILET ACCESSORY MOUNTING HEIGHTS



NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect

2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

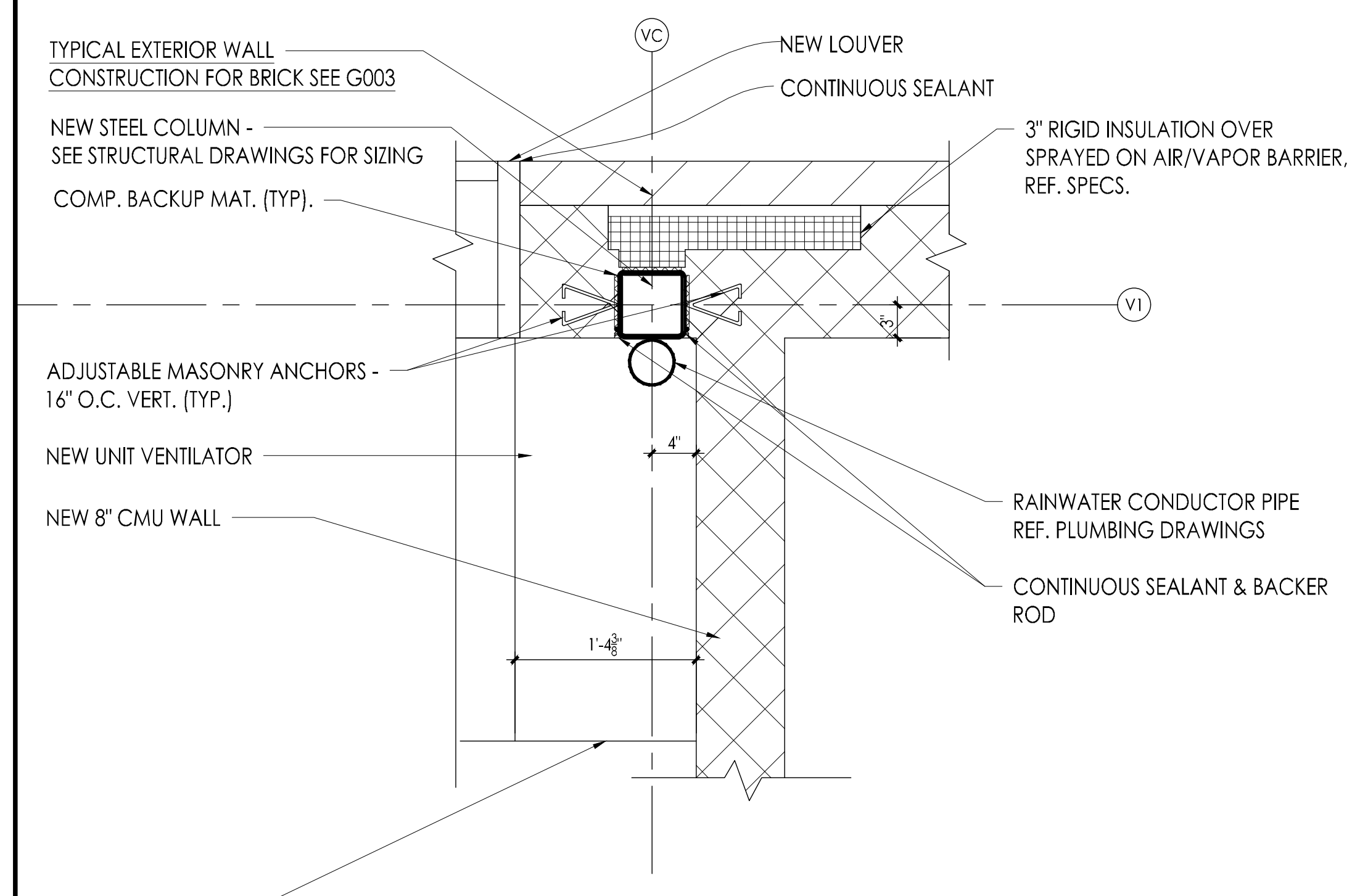
Scale
AS NOTED

Drawing Name
TOILET ROOM NOTES, DETAILS, PLANS & ELEVATIONS

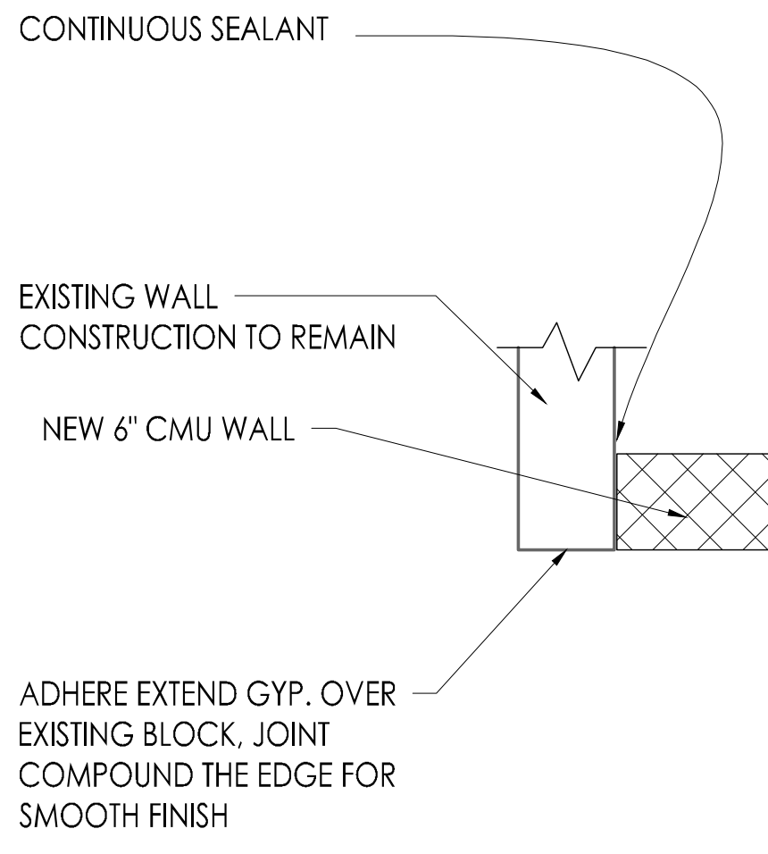
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

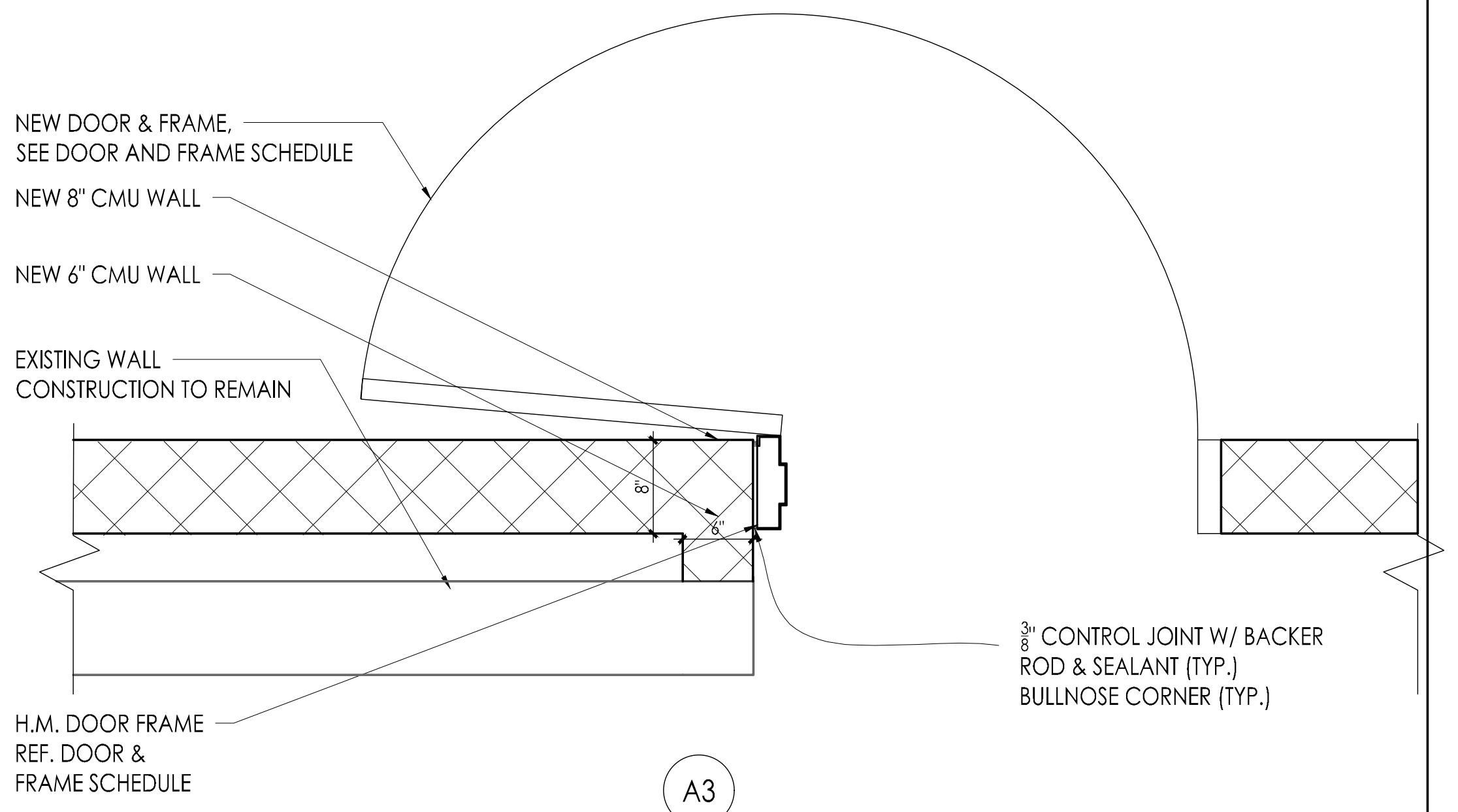
Drawing Number
A405


TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK SEE G003
NEW LOUVER
CONTINUOUS SEALANT
NEW STEEL COLUMN - SEE STRUCTURAL DRAWINGS FOR SIZING
3" RIGID INSULATION OVER SPRAYED ON AIR/VAPOR BARRIER, REF. SPECS.
COMP. BACKUP MAT. (TYP).
VC
V1
3"
ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
NEW UNIT VENTILATOR
4"
RAINWATER CONDUCTOR PIPE REF. PLUMBING DRAWINGS
NEW 8" CMU WALL
CONTINUOUS SEALANT & BACKER ROD
1'-4 3/8"
METAL SHROUD

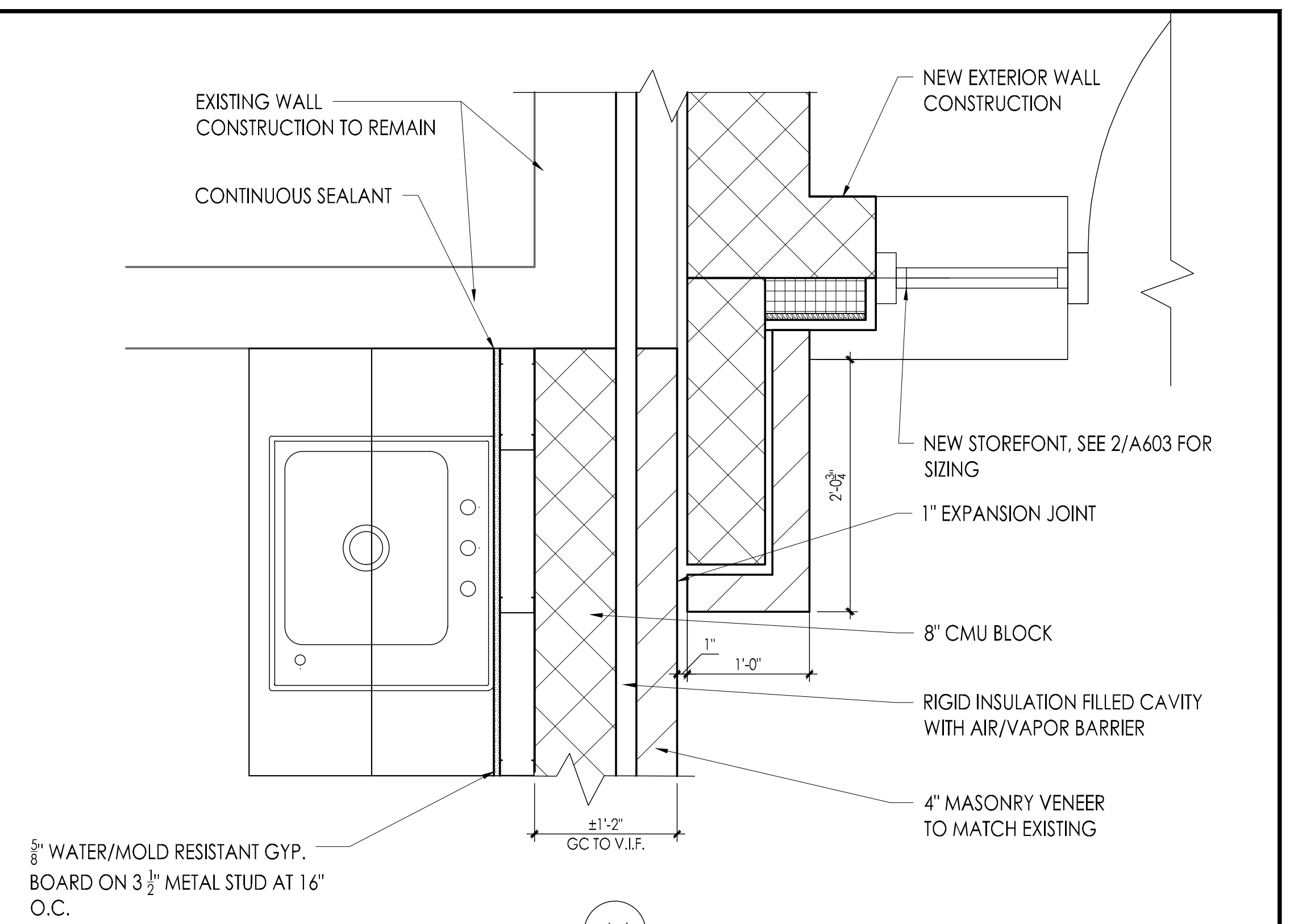
A1


CONTINUOUS SEALANT
EXISTING WALL CONSTRUCTION TO REMAIN
NEW 6" CMU WALL
ADHERE EXTEND GYP. OVER EXISTING BLOCK. JOINT COMPOUND THE EDGE FOR SMOOTH FINISH

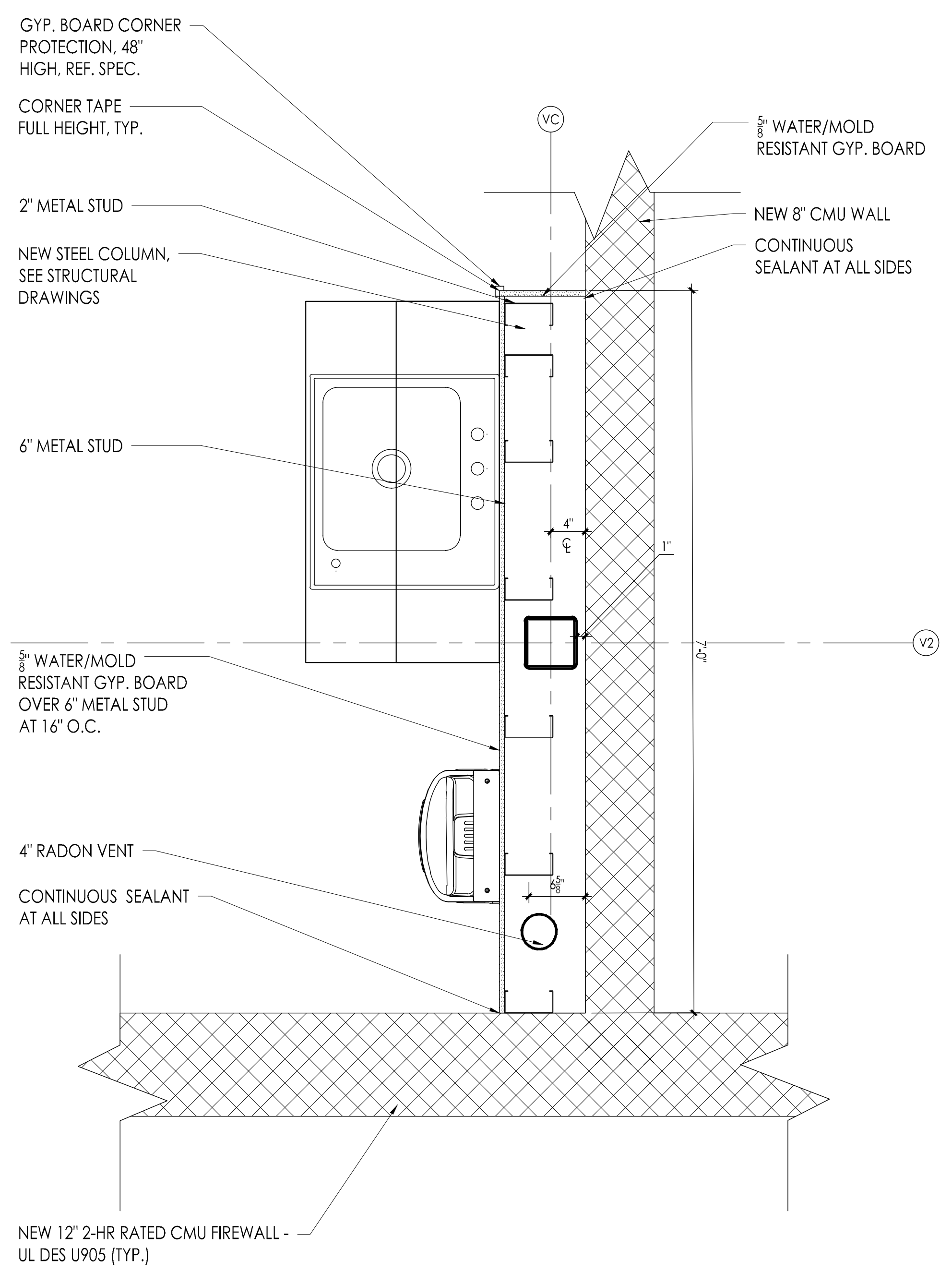
A2


NEW DOOR & FRAME, SEE DOOR AND FRAME SCHEDULE
NEW 8" CMU WALL
NEW 6" CMU WALL
EXISTING WALL CONSTRUCTION TO REMAIN
8"
6"
3/8" CONTROL JOINT W/ BACKER ROD & SEALANT (TYP.) BULLNOSE CORNER (TYP.)
H.M. DOOR FRAME REF. DOOR & FRAME SCHEDULE

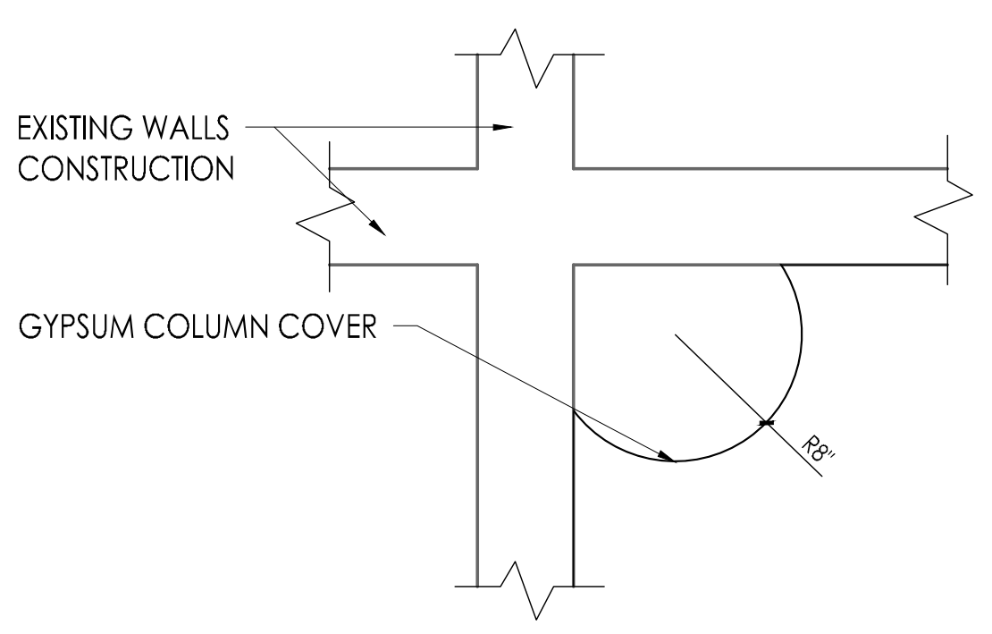
A3


EXISTING WALL CONSTRUCTION TO REMAIN
NEW EXTERIOR WALL CONSTRUCTION
CONTINUOUS SEALANT
NEW STOREFONT, SEE 2/A603 FOR SIZING
2'-0 3/4"
1" EXPANSION JOINT
8" CMU BLOCK
1"
1'-0"
RIGID INSULATION FILLED CAVITY WITH AIR/VAPOR BARRIER
4" MASONRY VENEER TO MATCH EXISTING
±1'-2" GC TO V.I.F.
5/8" WATER/MOLD RESISTANT GYP. BOARD ON 3 1/2" METAL STUD AT 16" O.C.

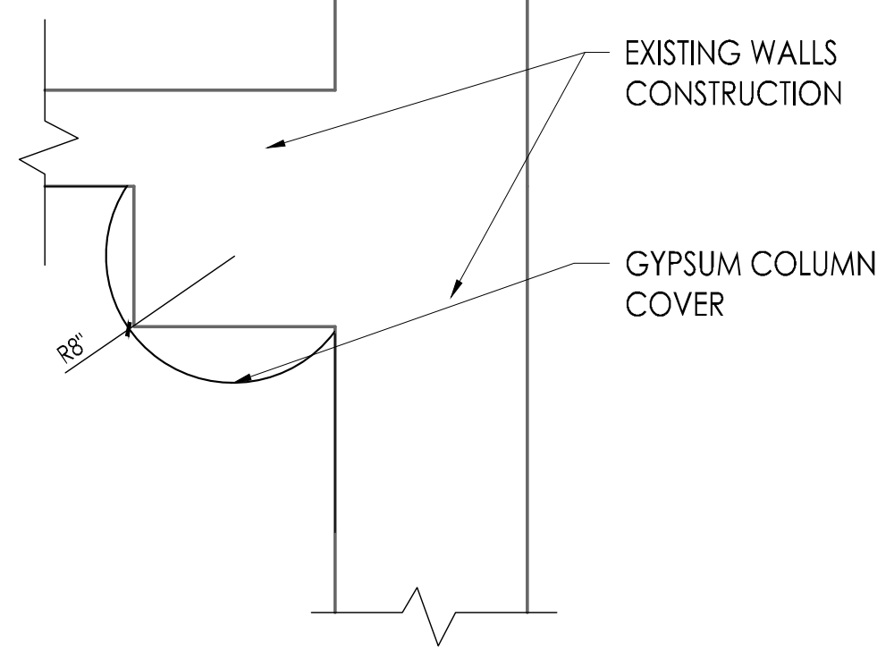
A4


GYP. BOARD CORNER PROTECTION, 48" HIGH, REF. SPEC.
CORNER TAPE FULL HEIGHT, TYP.
VC
5/8" WATER/MOLD RESISTANT GYP. BOARD
2" METAL STUD
NEW 8" CMU WALL
NEW STEEL COLUMN, SEE STRUCTURAL DRAWINGS
CONTINUOUS SEALANT AT ALL SIDES
6" METAL STUD
4"
1"
7'-0"
V2
5/8" WATER/MOLD RESISTANT GYP. BOARD OVER 6" METAL STUD AT 16" O.C.
4" RADON VENT
CONTINUOUS SEALANT AT ALL SIDES
6 5/8"
NEW 12" 2-HR RATED CMU FIREWALL - UL DES U905 (TYP.)

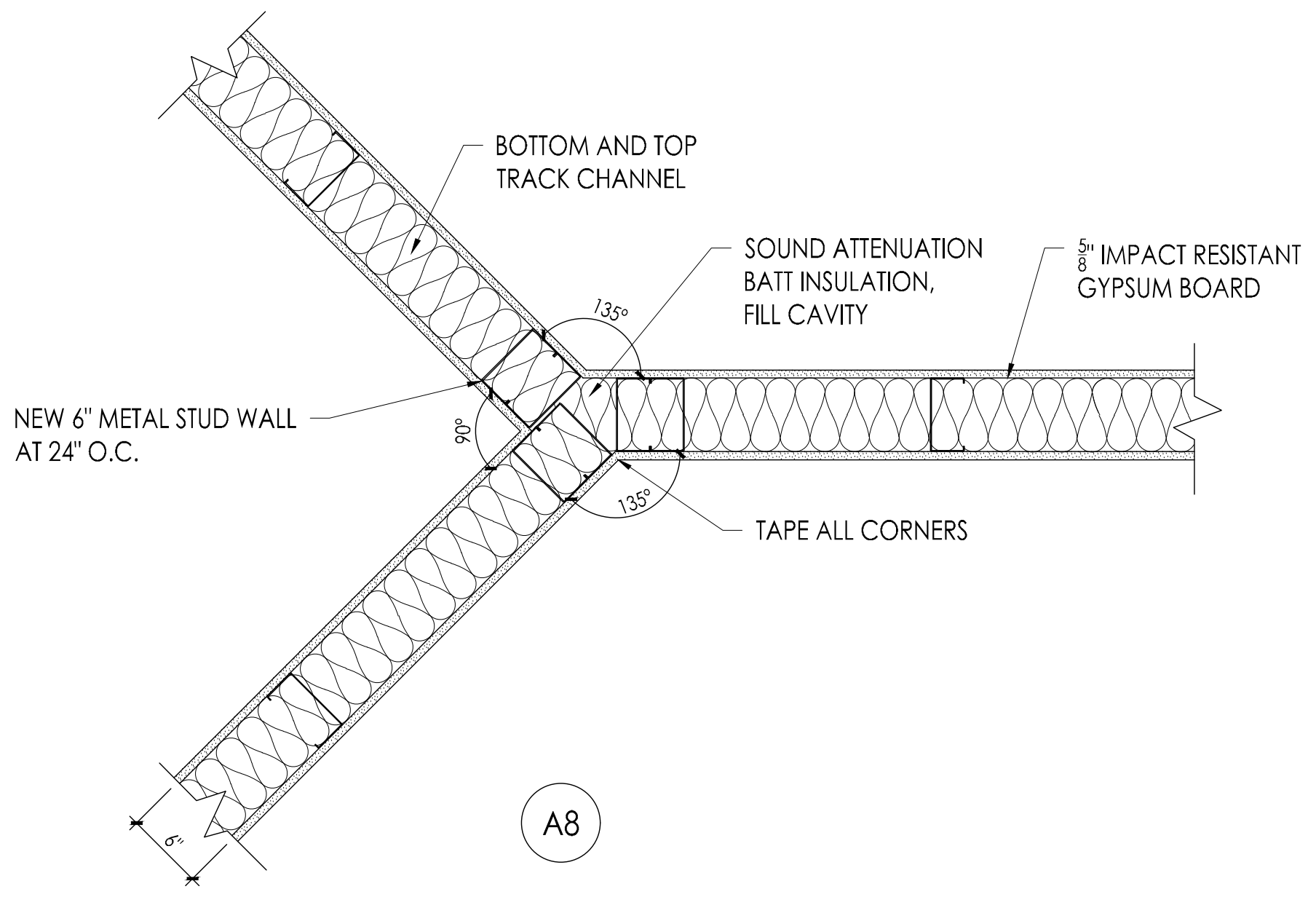
A5



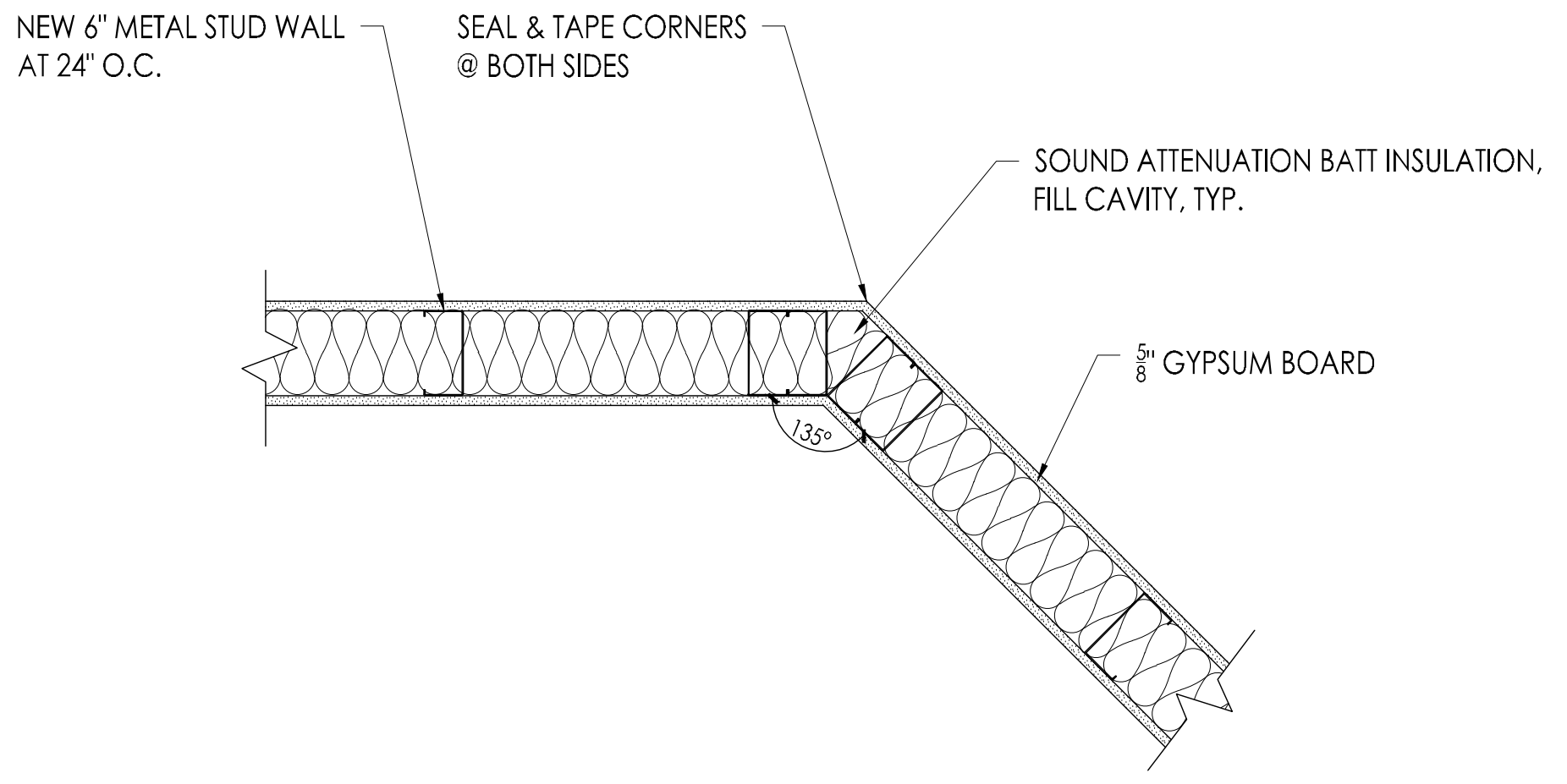
A6



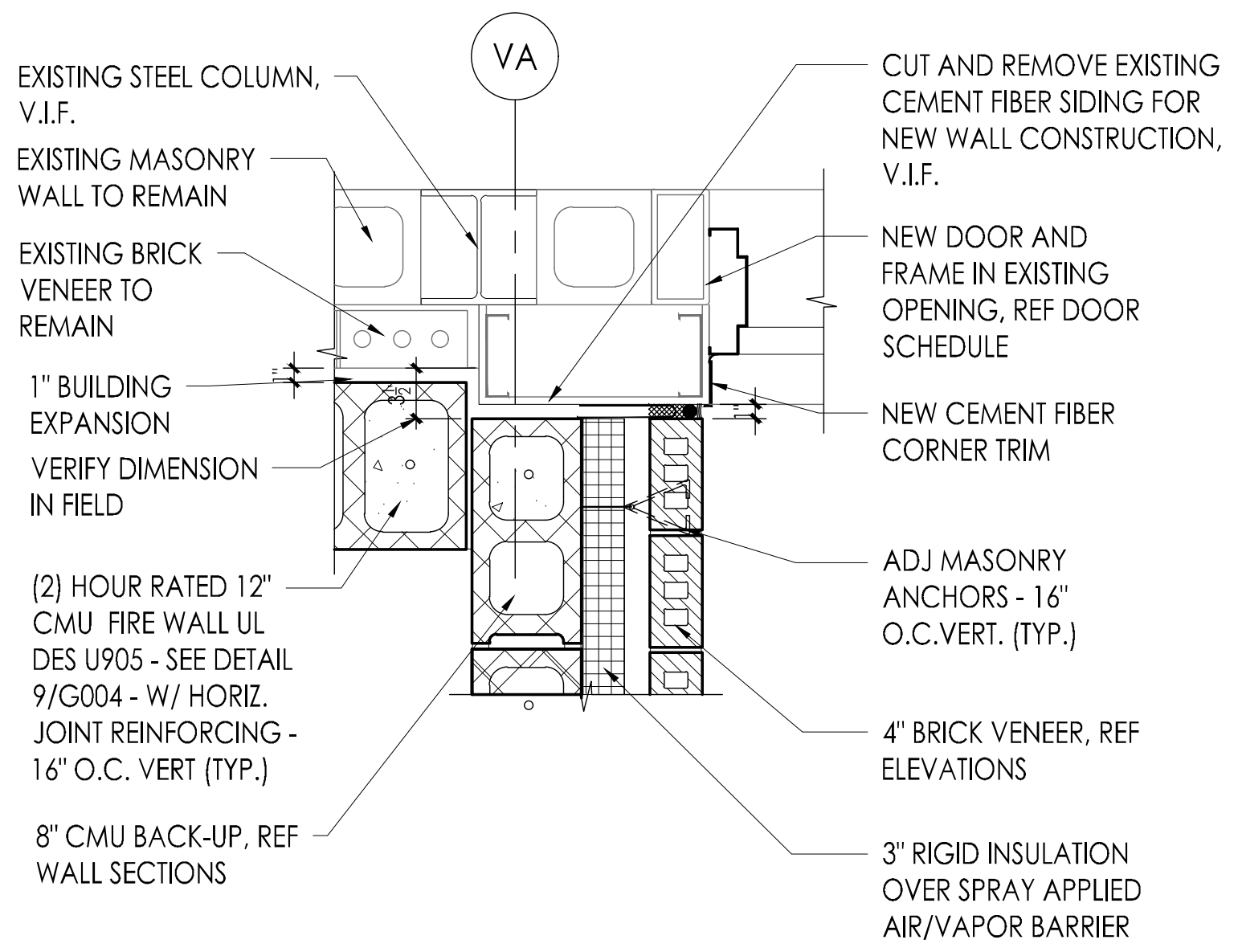
A7


BOTTOM AND TOP TRACK CHANNEL
SOUND ATTENUATION BATT INSULATION, FILL CAVITY
5/8" IMPACT RESISTANT GYPSUM BOARD
135°
90°
135°
NEW 6" METAL STUD WALL AT 24" O.C.
TAPE ALL CORNERS
6"

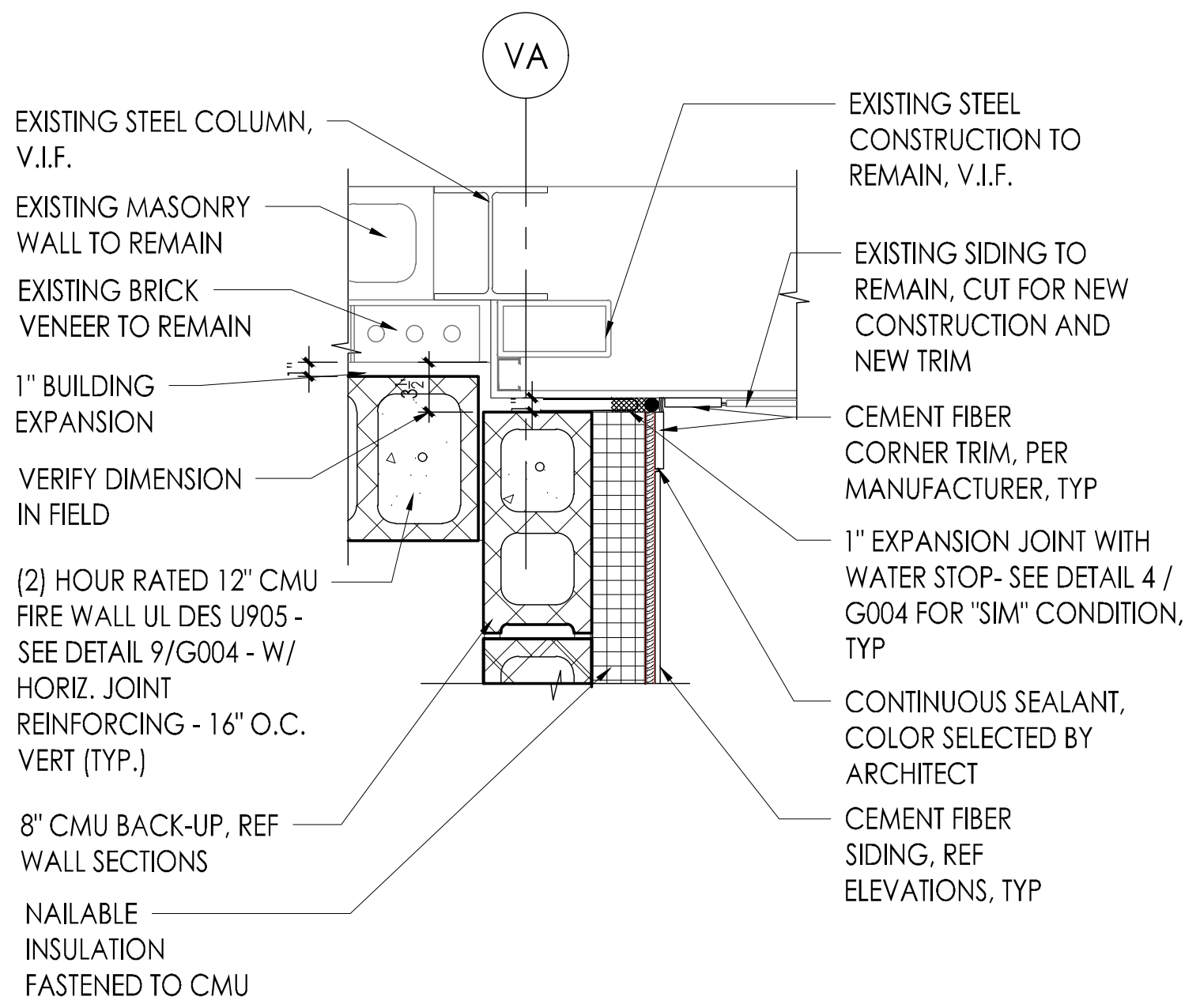
A8


NEW 6" METAL STUD WALL AT 24" O.C.
SEAL & TAPE CORNERS @ BOTH SIDES
SOUND ATTENUATION BATT INSULATION, FILL CAVITY, TYP.
5/8" GYPSUM BOARD
135°

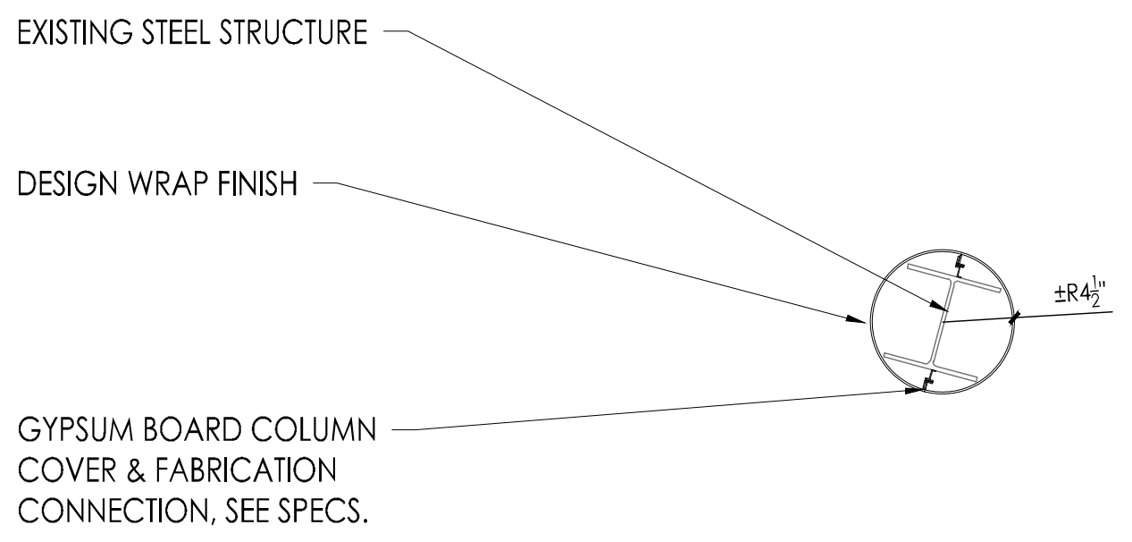
A9


VA
EXISTING STEEL COLUMN, V.I.F.
EXISTING MASONRY WALL TO REMAIN
EXISTING BRICK VENEER TO REMAIN
1" BUILDING EXPANSION
VERIFY DIMENSION IN FIELD
(2) HOUR RATED 12" CMU FIRE WALL UL DES U905 - SEE DETAIL 9/G004 - W/ HORIZ. JOINT REINFORCING - 16" O.C. VERT (TYP.)
8" CMU BACK-UP, REF WALL SECTIONS
CUT AND REMOVE EXISTING CEMENT FIBER SIDING FOR NEW WALL CONSTRUCTION, V.I.F.
NEW DOOR AND FRAME IN EXISTING OPENING, REF DOOR SCHEDULE
NEW CEMENT FIBER CORNER TRIM
ADJ MASONRY ANCHORS - 16" O.C.VERT. (TYP.)
4" BRICK VENEER, REF ELEVATIONS
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER

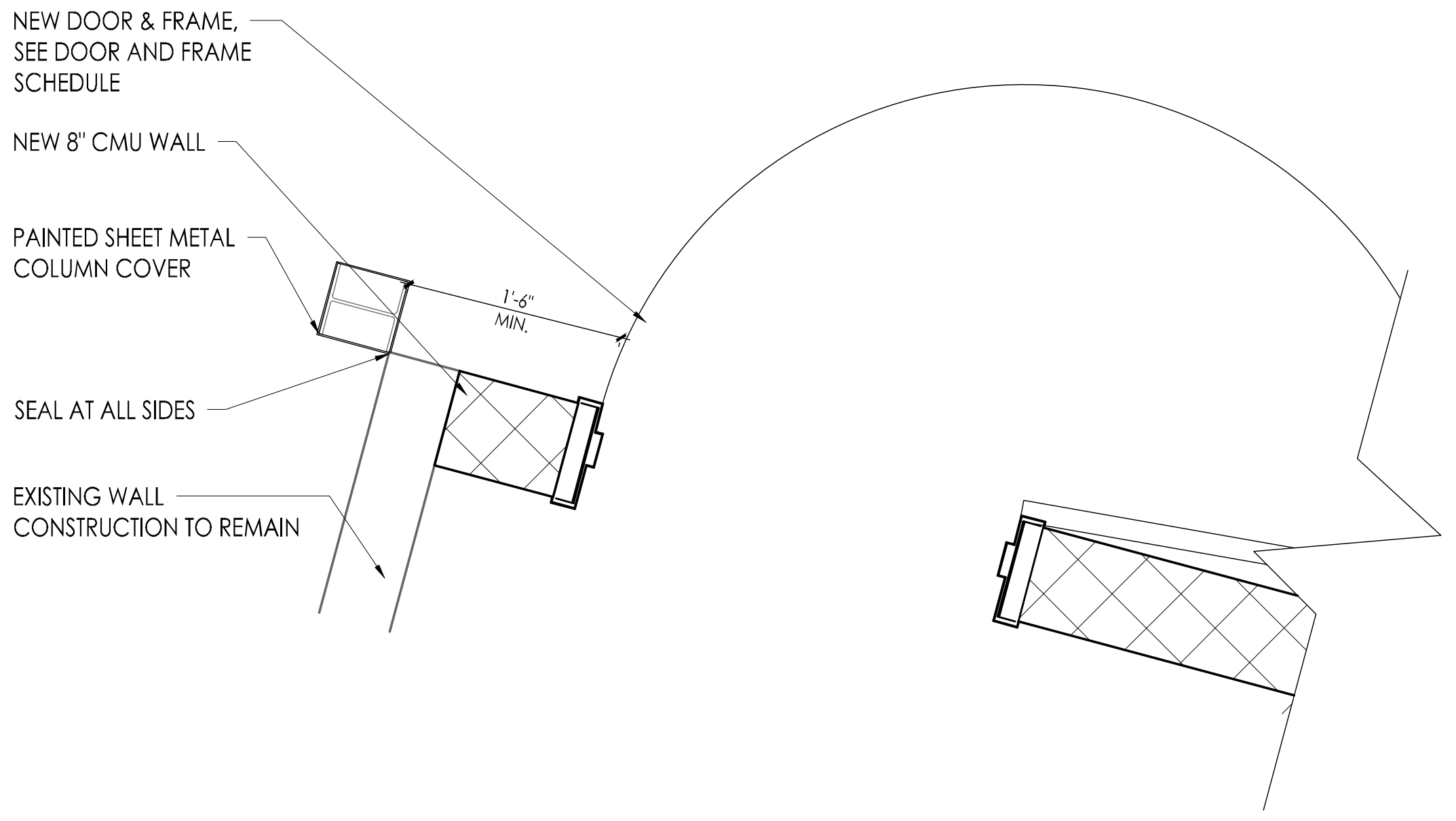
A10


VA
EXISTING STEEL COLUMN, V.I.F.
EXISTING MASONRY WALL TO REMAIN
EXISTING BRICK VENEER TO REMAIN
1" BUILDING EXPANSION
VERIFY DIMENSION IN FIELD
(2) HOUR RATED 12" CMU FIRE WALL UL DES U905 - SEE DETAIL 9/G004 - W/ HORIZ. JOINT REINFORCING - 16" O.C. VERT (TYP.)
8" CMU BACK-UP, REF WALL SECTIONS
NAILABLE INSULATION FASTENED TO CMU
EXISTING STEEL CONSTRUCTION TO REMAIN, V.I.F.
EXISTING SIDING TO REMAIN, CUT FOR NEW CONSTRUCTION AND NEW TRIM
CEMENT FIBER CORNER TRIM, PER MANUFACTURER, TYP
1" EXPANSION JOINT WITH WATER STOP- SEE DETAIL 4 / G004 FOR "SIM" CONDITION, TYP
CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
CEMENT FIBER SIDING, REF ELEVATIONS, TYP

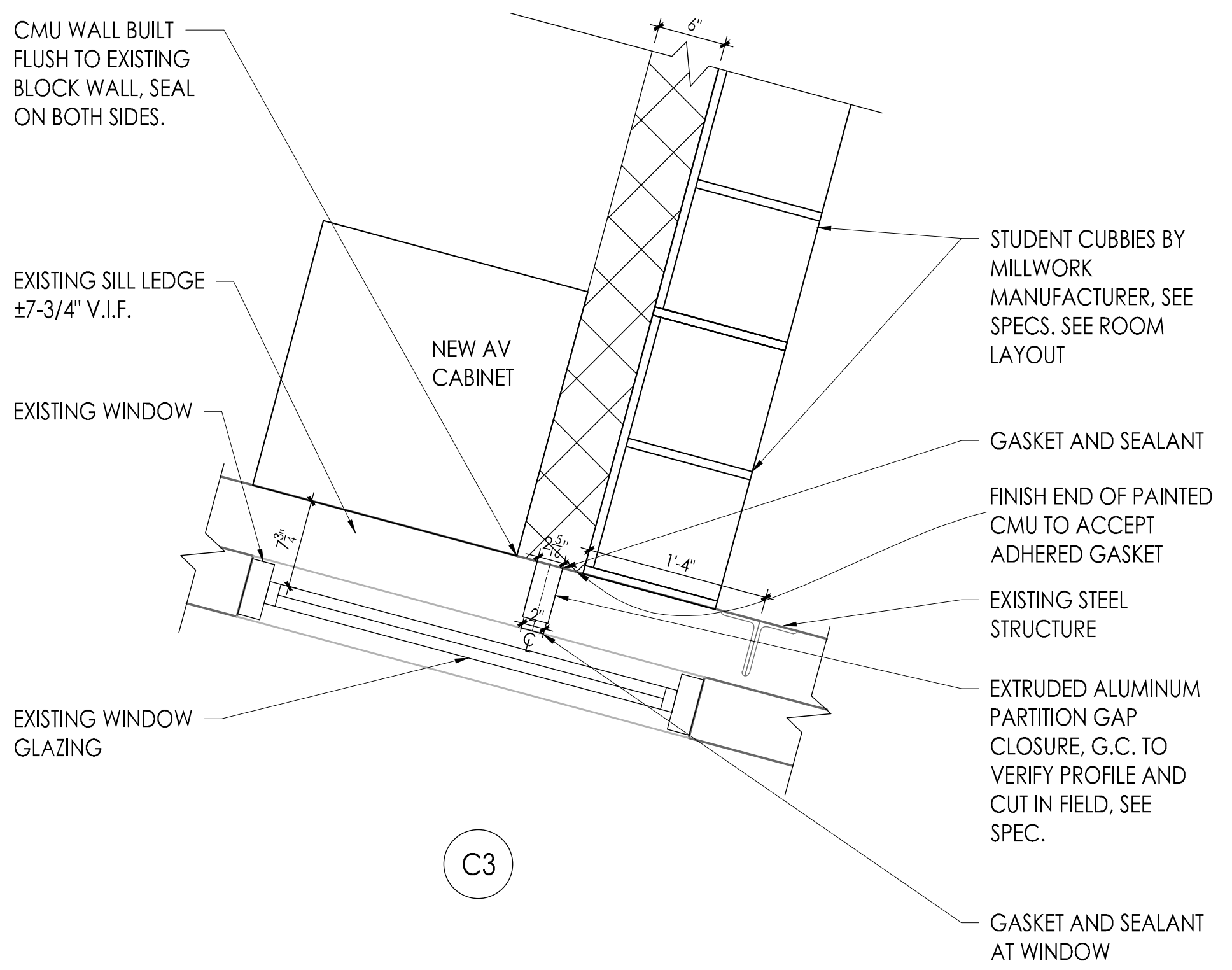
A11


EXISTING STEEL STRUCTURE
DESIGN WRAP FINISH
GYPSUM BOARD COLUMN COVER & FABRICATION CONNECTION, SEE SPECS.

C1

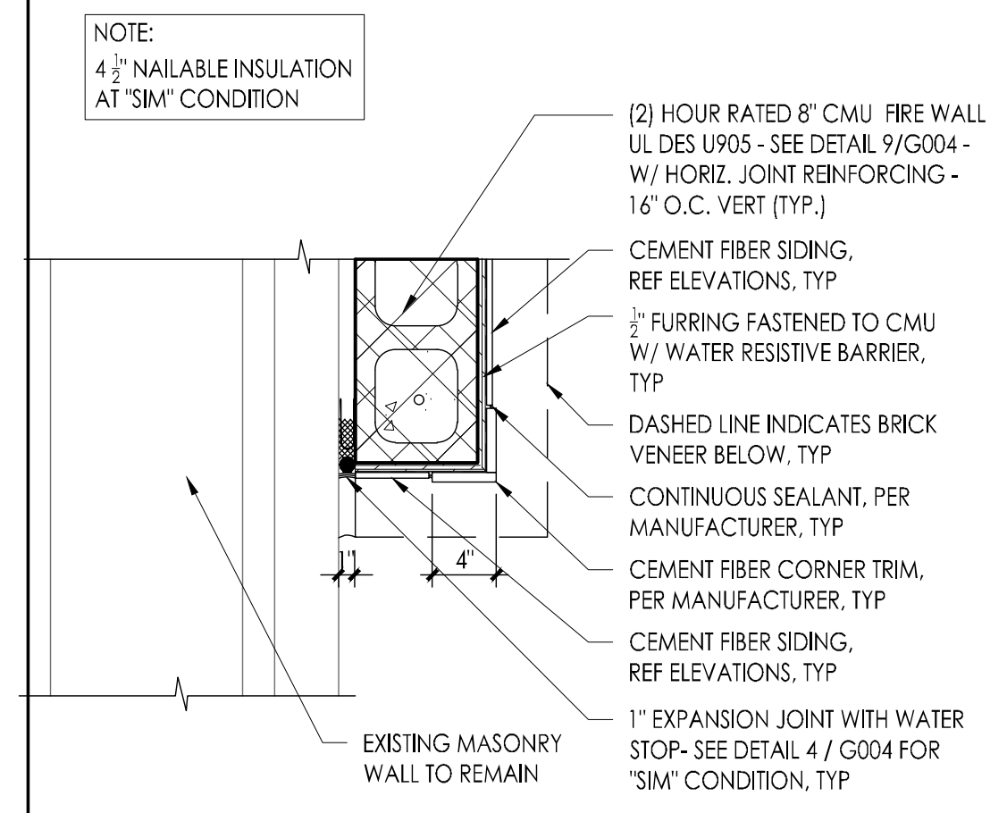

NEW DOOR & FRAME, SEE DOOR AND FRAME SCHEDULE
NEW 8" CMU WALL
PAINTED SHEET METAL COLUMN COVER
SEAL AT ALL SIDES
EXISTING WALL CONSTRUCTION TO REMAIN

C2

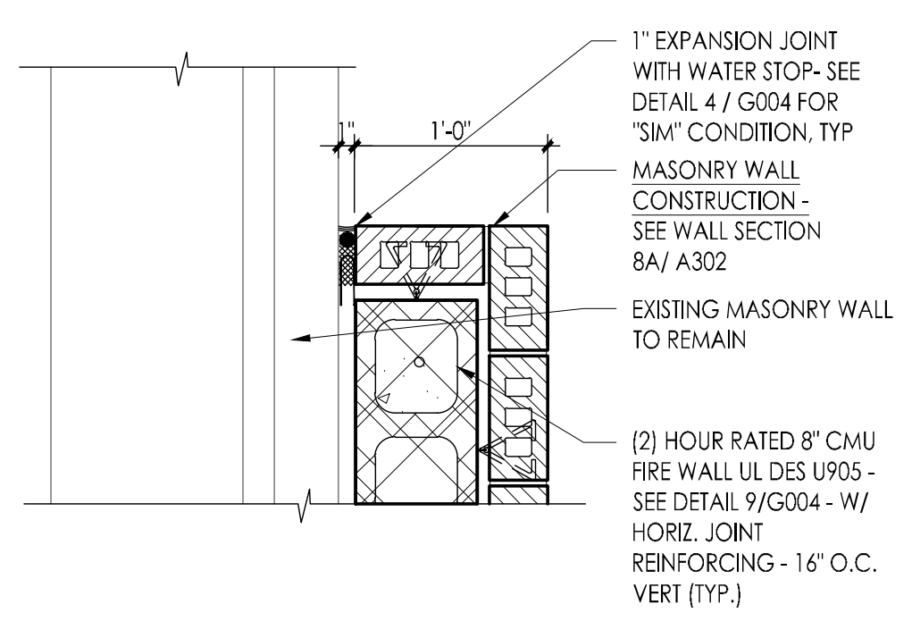

CMU WALL BUILT FLUSH TO EXISTING BLOCK WALL, SEAL ON BOTH SIDES.
6"
EXISTING SILL LEDGE ±7-3/4" V.I.F.
NEW AV CABINET
EXISTING WINDOW
7 3/4"
1'-4"
2"
EXISTING WINDOW GLAZING
STUDENT CUBBIES BY MILLWORK MANUFACTURER, SEE SPECS. SEE ROOM LAYOUT
GASKET AND SEALANT
FINISH END OF PAINTED CMU TO ACCEPT ADHERED GASKET
EXISTING STEEL STRUCTURE
EXTRUDED ALUMINUM PARTITION GAP CLOSURE, G.C. TO VERIFY PROFILE AND CUT IN FIELD, SEE SPEC.
GASKET AND SEALANT AT WINDOW

C3

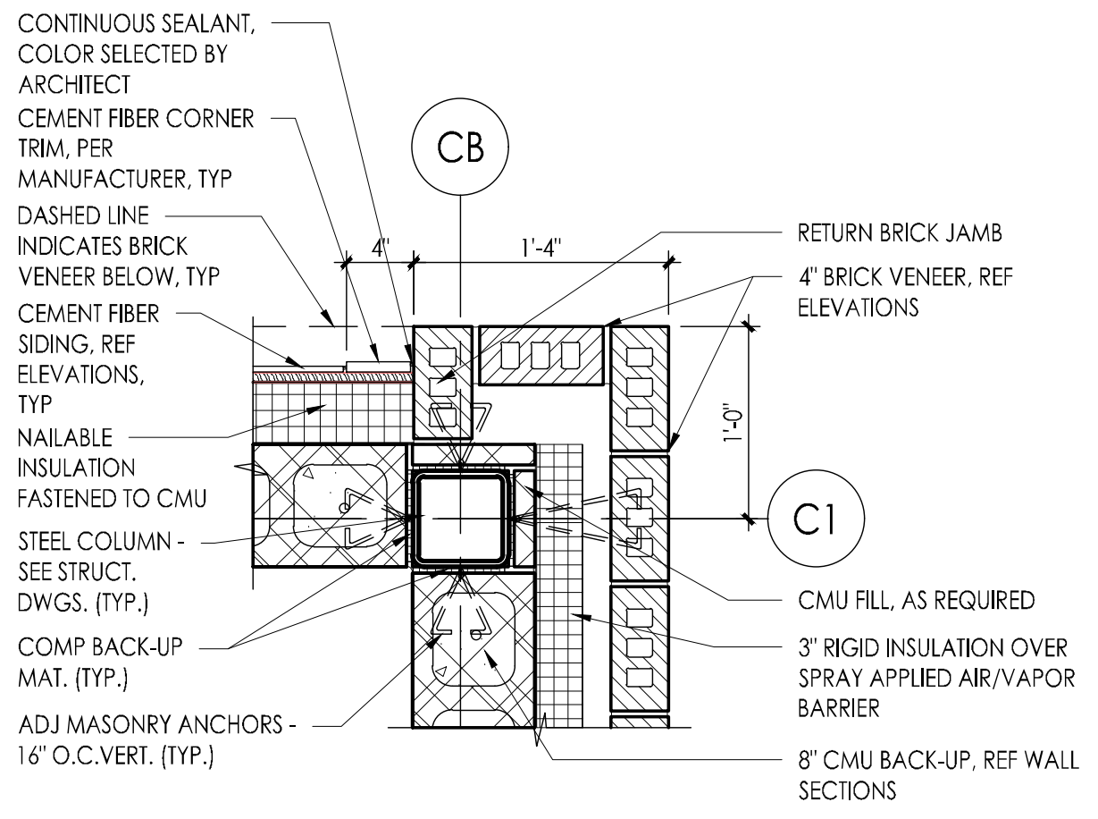
NOTE:
4 1/2" NAILABLE INSULATION AT "SIM" CONDITION


(2) HOUR RATED 8" CMU FIRE WALL UL DES U905 - SEE DETAIL 9/G004 - W/ HORIZ. JOINT REINFORCING - 16" O.C. VERT (TYP.)
CEMENT FIBER SIDING, REF ELEVATIONS, TYP
1/2" FURRING FASTENED TO CMU W/ WATER RESISTIVE BARRIER, TYP
DASHED LINE INDICATES BRICK VENEER BELOW, TYP
CONTINUOUS SEALANT, PER MANUFACTURER, TYP
CEMENT FIBER CORNER TRIM, PER MANUFACTURER, TYP
CEMENT FIBER SIDING, REF ELEVATIONS, TYP
1"
4"
EXISTING MASONRY WALL TO REMAIN
1" EXPANSION JOINT WITH WATER STOP- SEE DETAIL 4 / G004 FOR "SIM" CONDITION, TYP

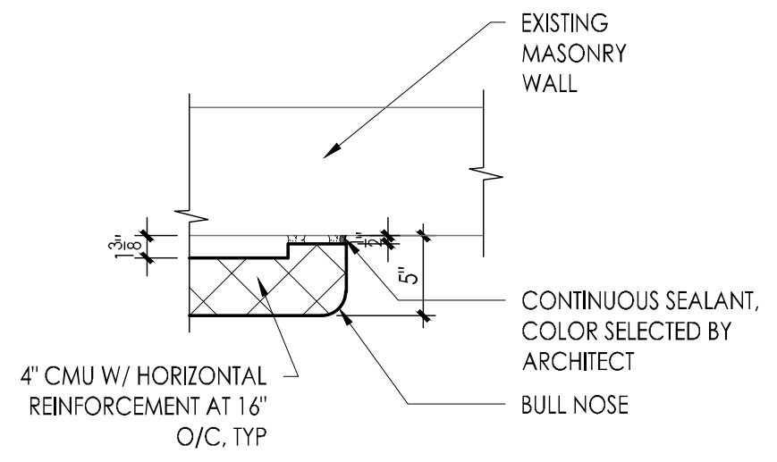
C4


1"
1'-0"
1" EXPANSION JOINT WITH WATER STOP- SEE DETAIL 4 / G004 FOR "SIM" CONDITION, TYP
MASONRY WALL CONSTRUCTION - SEE WALL SECTION 8A/ A302
EXISTING MASONRY WALL TO REMAIN
(2) HOUR RATED 8" CMU FIRE WALL UL DES U905 - SEE DETAIL 9/G004 - W/ HORIZ. JOINT REINFORCING - 16" O.C. VERT (TYP.)

C5


CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
CEMENT FIBER CORNER TRIM, PER MANUFACTURER, TYP
DASHED LINE INDICATES BRICK VENEER BELOW, TYP
CEMENT FIBER SIDING, REF ELEVATIONS, TYP
NAILABLE INSULATION FASTENED TO CMU
STEEL COLUMN - SEE STRUCT. DWGS. (TYP.)
COMP BACK-UP MAT. (TYP.)
ADJ MASONRY ANCHORS - 16" O.C.VERT. (TYP.)
CB
4"
1'-4"
1'-0"
C1
RETURN BRICK JAMB
4" BRICK VENEER, REF ELEVATIONS
CMU FILL, AS REQUIRED
3" RIGID INSULATION OVER SPRAY APPLIED AIR/VAPOR BARRIER
8" CMU BACK-UP, REF WALL SECTIONS

C6


EXISTING MASONRY WALL
1 3/8"
5"
CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
4" CMU W/ HORIZONTAL REINFORCEMENT AT 16" O/C, TYP
BULL NOSE

C7

NJDCA Electronic Release Stamp

Fraytak Veisz Hopkins Duthie P C
architects planners

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

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STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

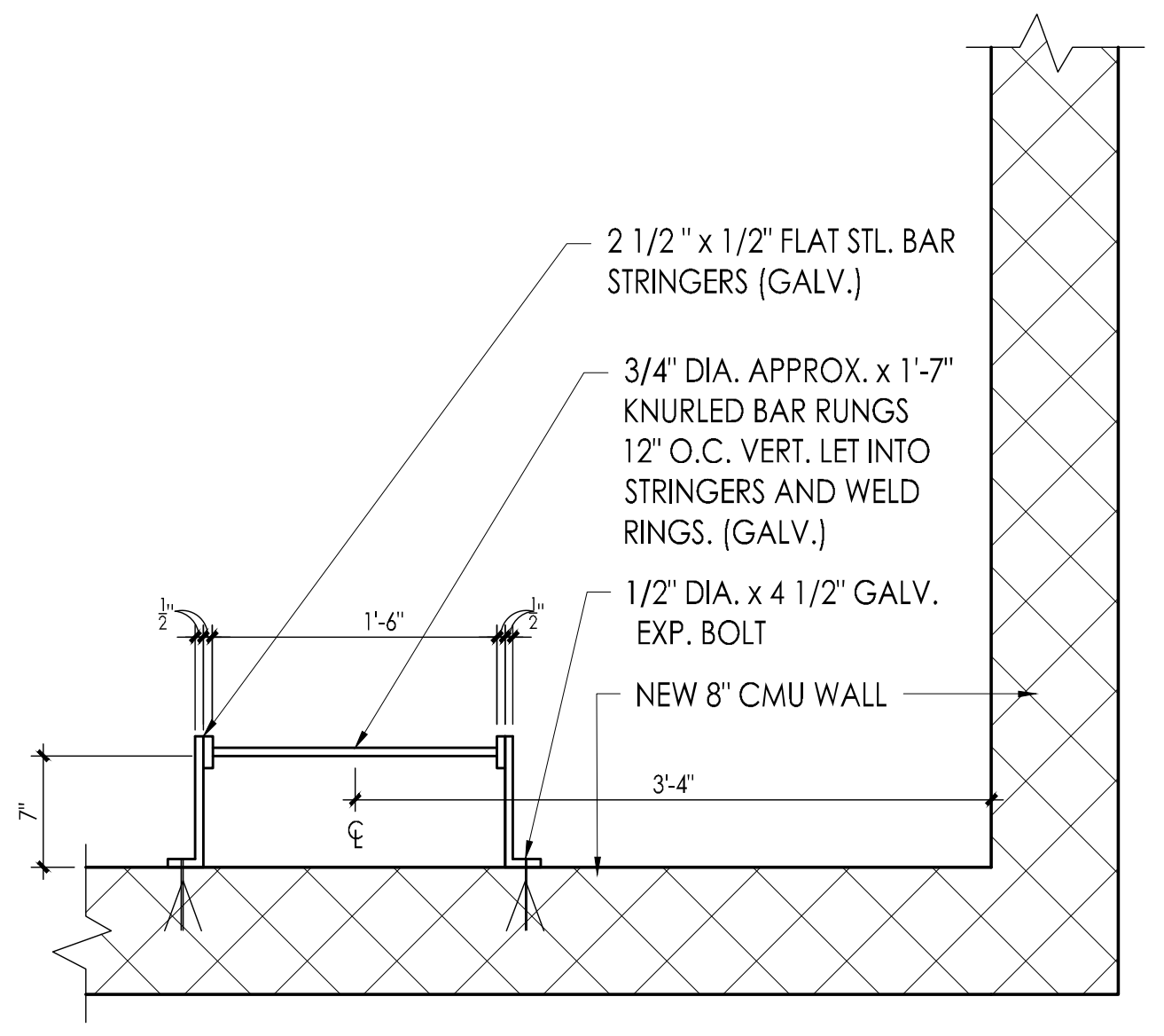
Project Number
5516D
Project Date
10.10.2025
Checked By
WDH
Drawn By
MJS
Scale
1"=1'-0"

Drawing Name
PLAN DETAILS

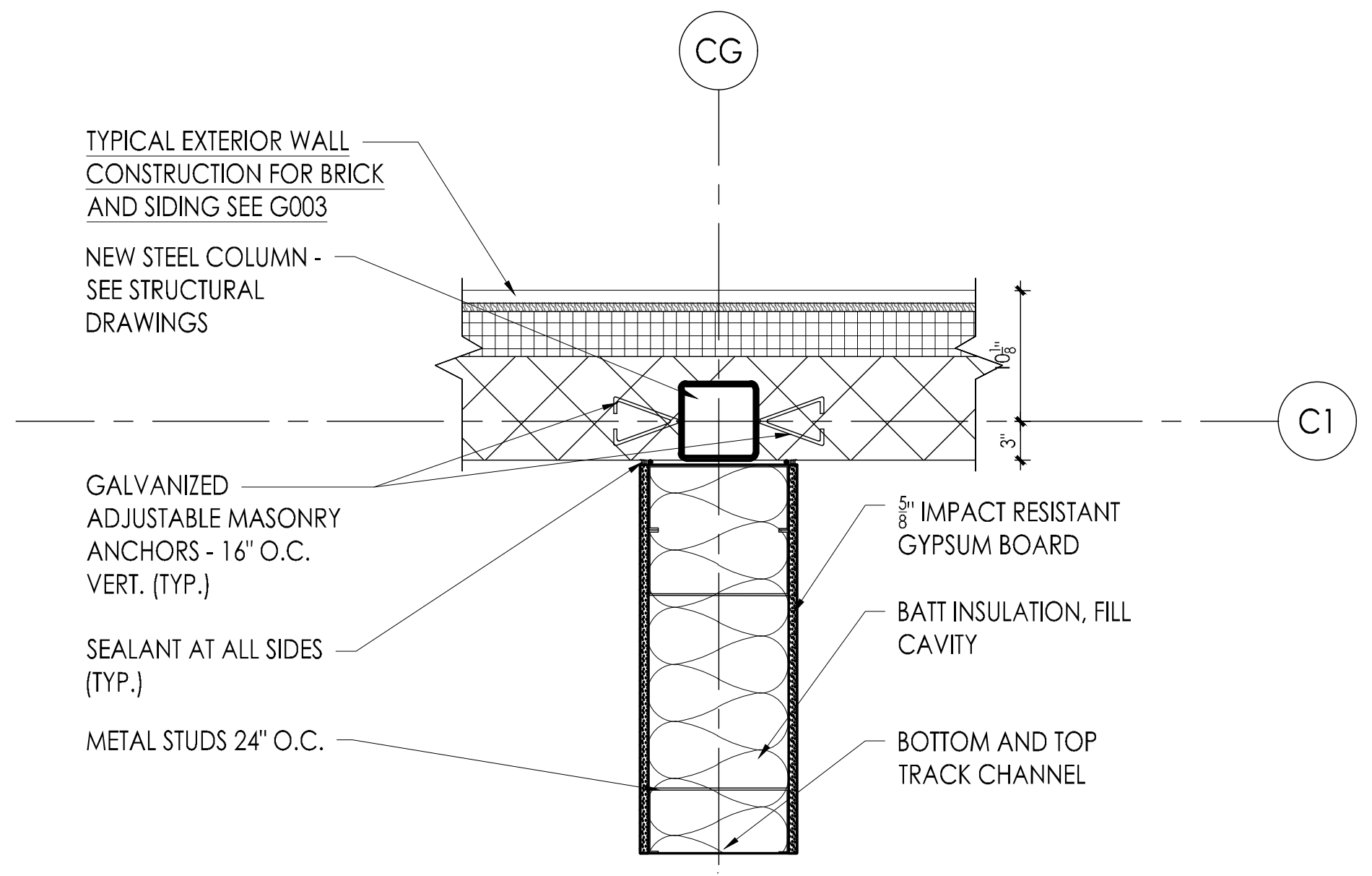
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

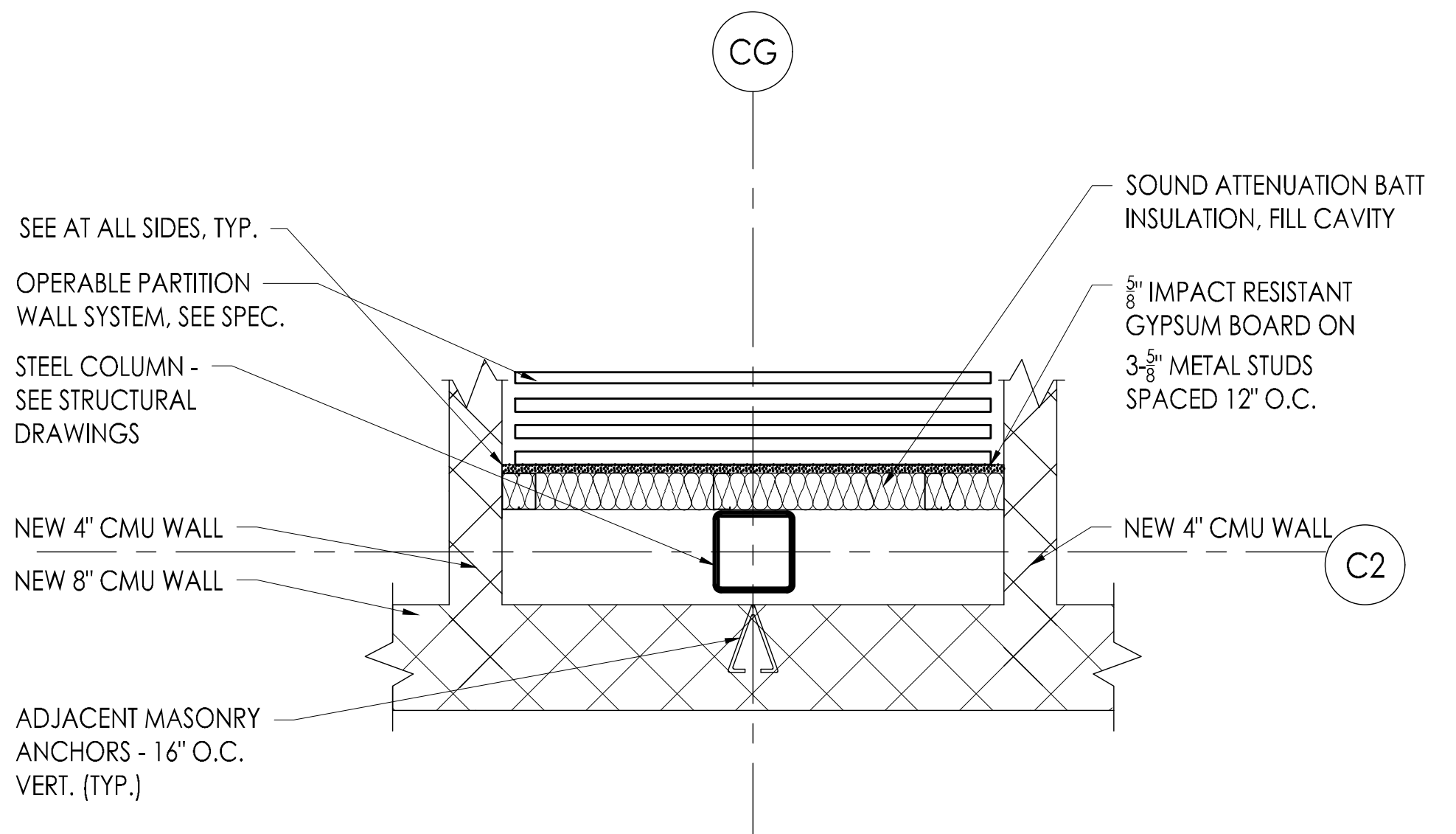
Drawing Number
A501


2 1/2 " x 1/2" FLAT STL. BAR STRINGERS (GALV.)
3/4" DIA. APPROX. x 1'-7" KNURLED BAR RUNGS 12" O.C. VERT. LET INTO STRINGERS AND WELD RINGS. (GALV.)
1/2" DIA. x 4 1/2" GALV. EXP. BOLT
NEW 8" CMU WALL
1/2"
1'-6"
1/2"
7"
3'-4"
CL

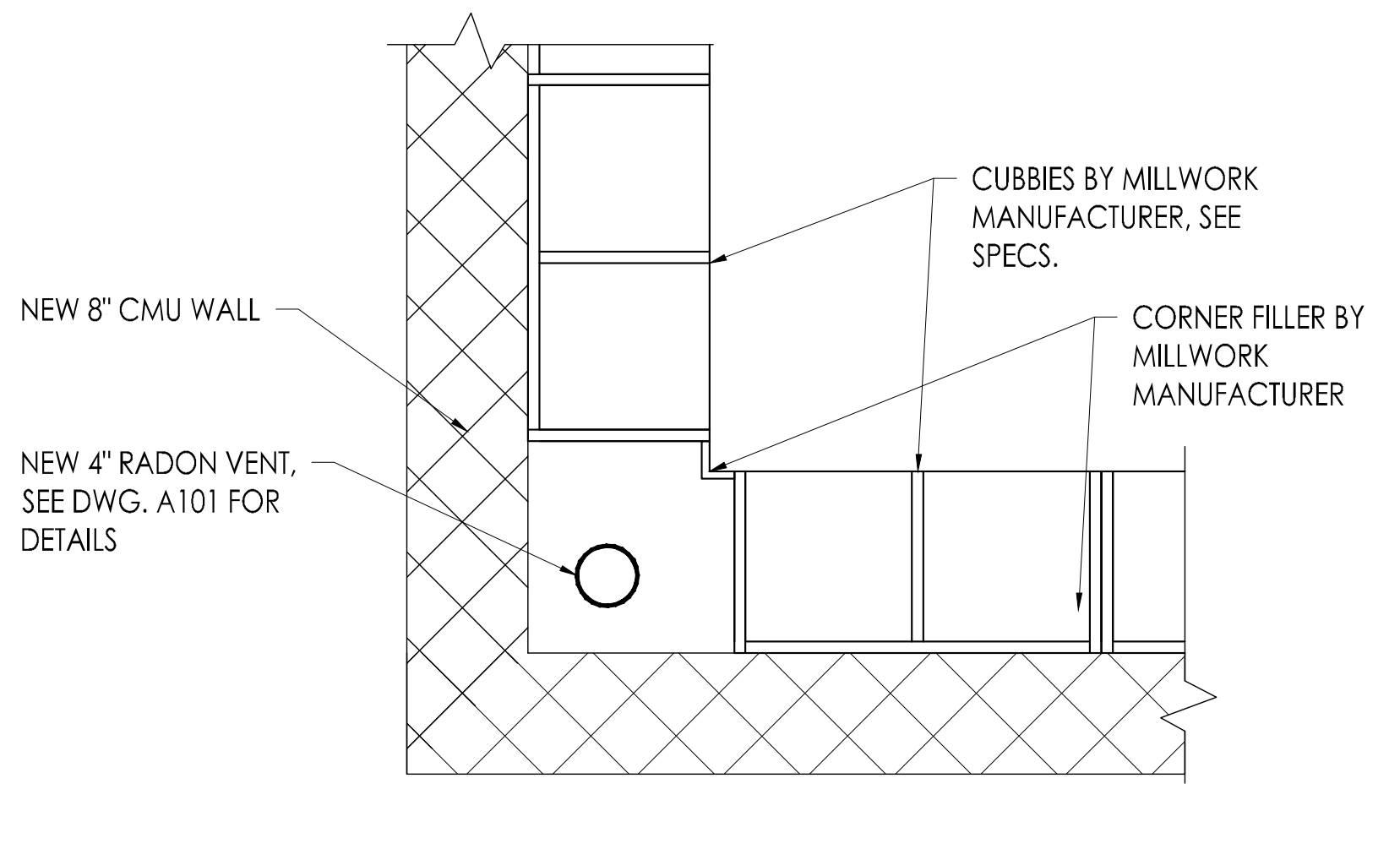
B1


CG
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK AND SIDING SEE G003
NEW STEEL COLUMN - SEE STRUCTURAL DRAWINGS
10 1/8"
3"
C1
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
SEALANT AT ALL SIDES (TYP.)
METAL STUDS 24" O.C.
5/8" IMPACT RESISTANT GYPSUM BOARD
BATT INSULATION, FILL CAVITY
BOTTOM AND TOP TRACK CHANNEL

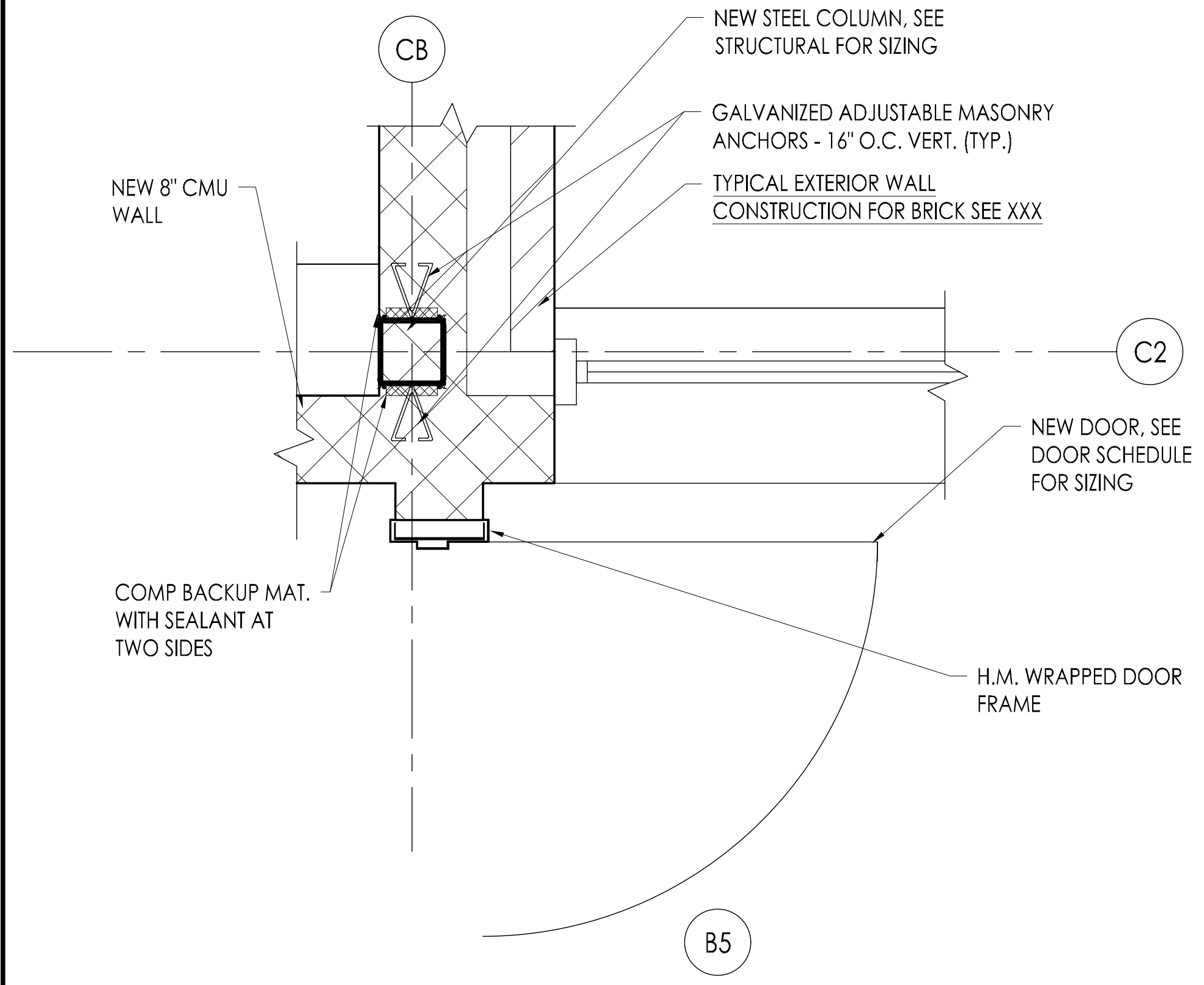
B2


CG
SEE AT ALL SIDES, TYP.
OPERABLE PARTITION WALL SYSTEM, SEE SPEC.
STEEL COLUMN - SEE STRUCTURAL DRAWINGS
NEW 4" CMU WALL
NEW 8" CMU WALL
ADJACENT MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
SOUND ATTENUATION BATT INSULATION, FILL CAVITY
5/8" IMPACT RESISTANT GYPSUM BOARD ON 3-5/8" METAL STUDS SPACED 12" O.C.
NEW 4" CMU WALL
C2

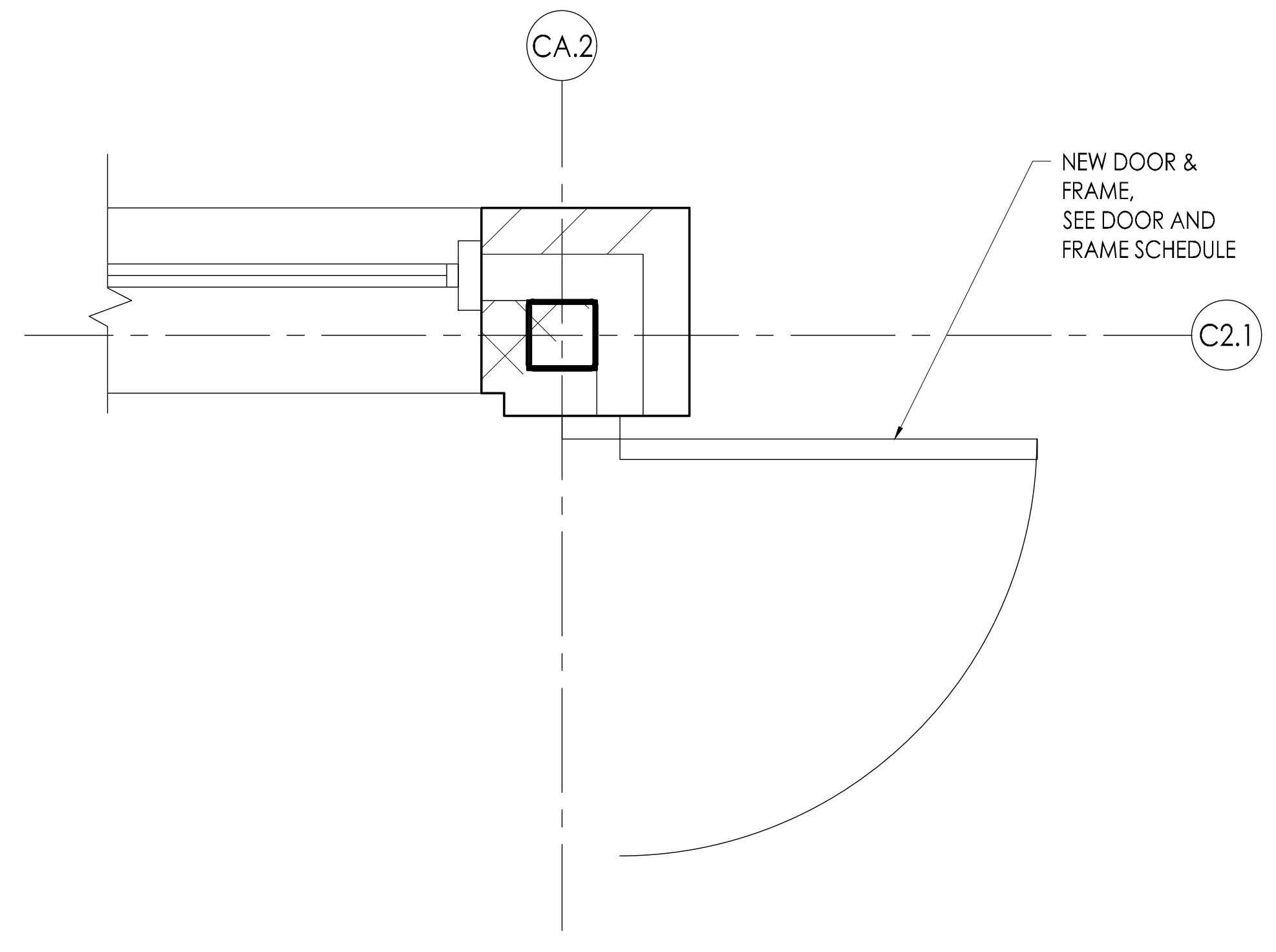
B3


NEW 8" CMU WALL
NEW 4" RADON VENT, SEE DWG. A101 FOR DETAILS
CUBBIES BY MILLWORK MANUFACTURER, SEE SPECS.
CORNER FILLER BY MILLWORK MANUFACTURER

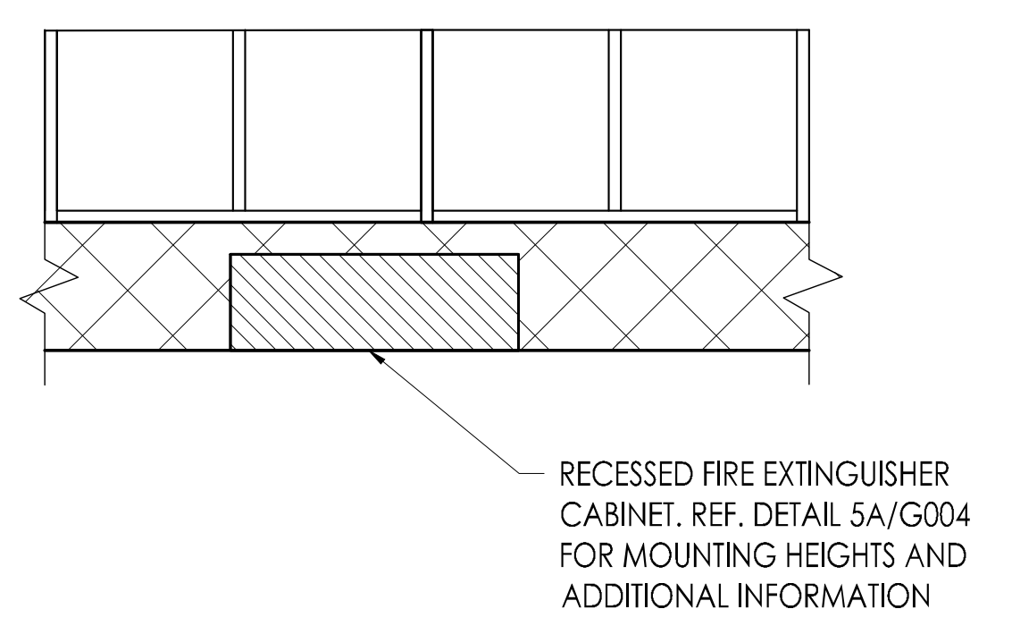
B4


CB
NEW 8" CMU WALL
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK SEE XXX
C2
NEW DOOR, SEE DOOR SCHEDULE FOR SIZING
COMP BACKUP MAT. WITH SEALANT AT TWO SIDES
H.M. WRAPPED DOOR FRAME

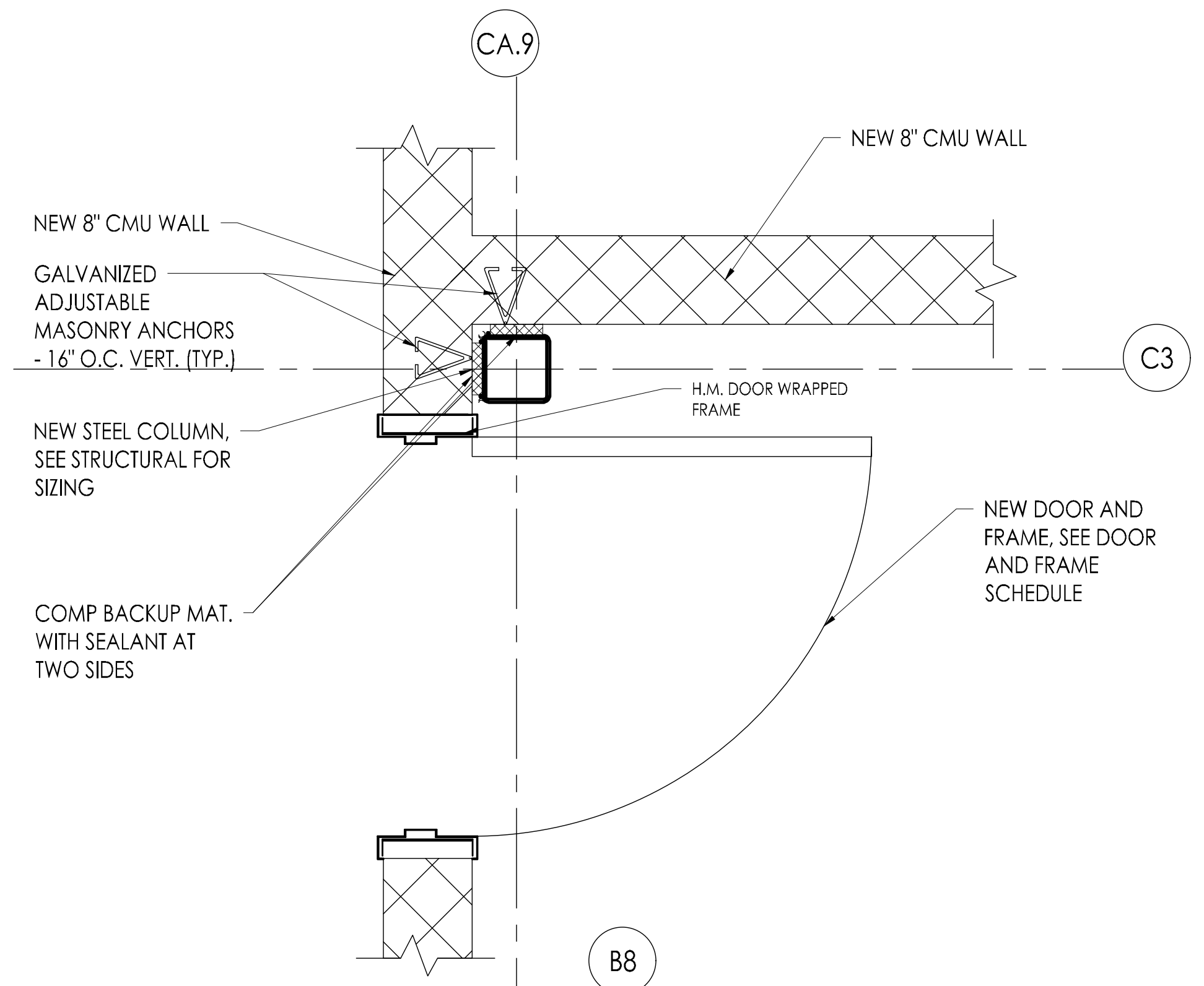
B5



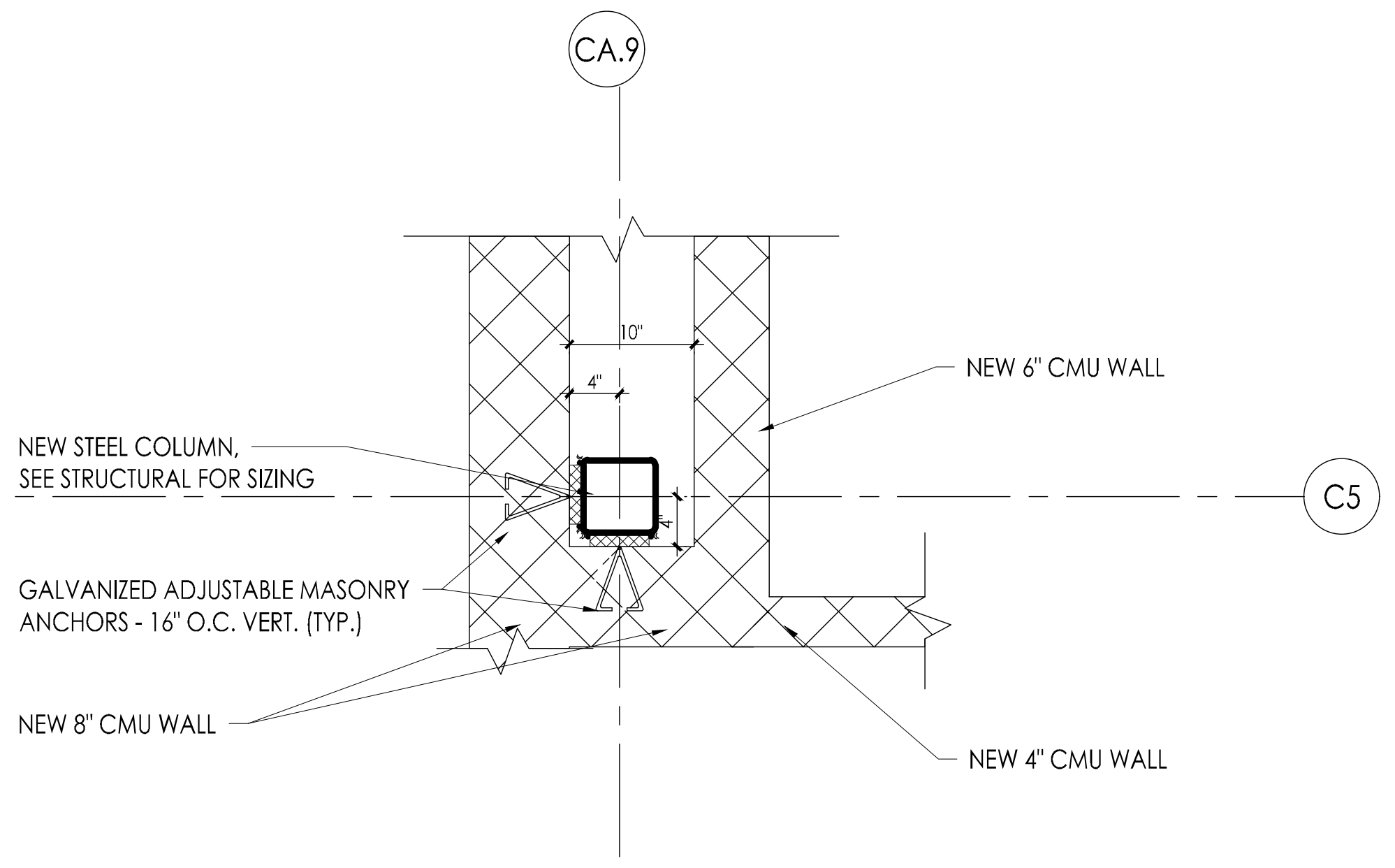
B6


RECESSED FIRE EXTINGUISHER CABINET, REF. DETAIL 5A/G004 FOR MOUNTING HEIGHTS AND ADDITIONAL INFORMATION

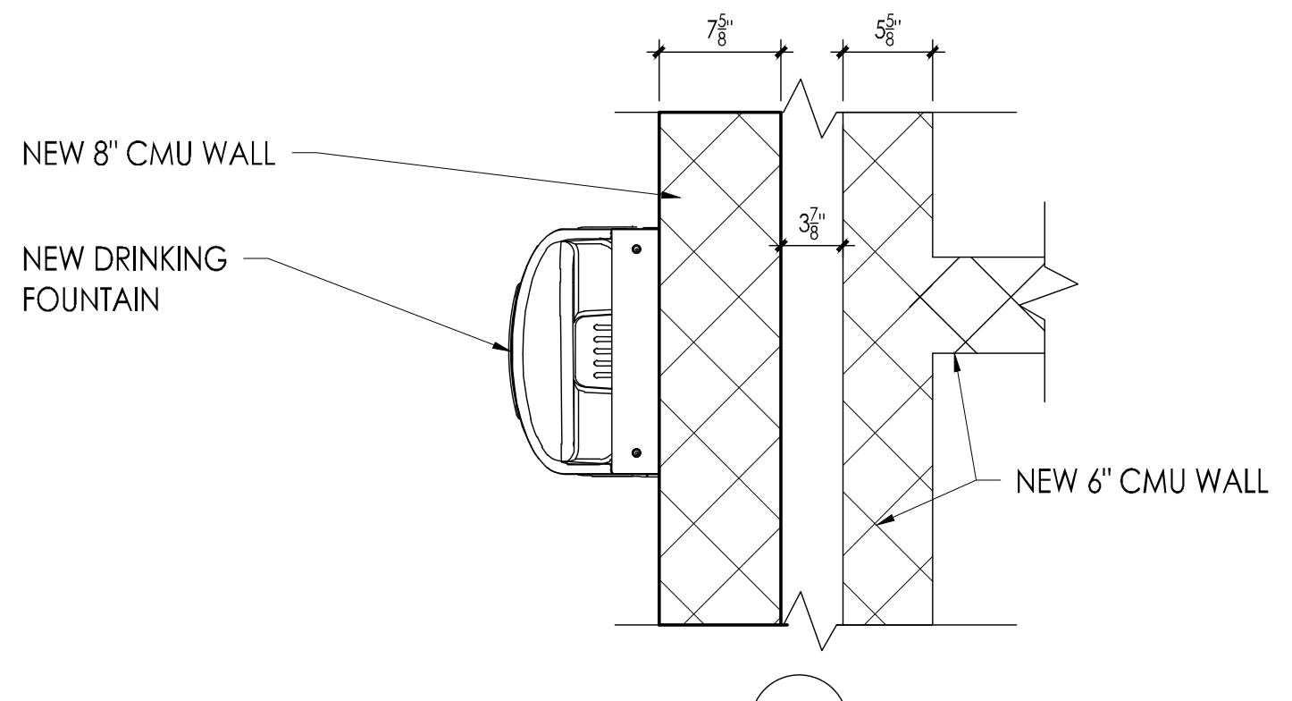
B7


CA.9
NEW 8" CMU WALL
NEW 8" CMU WALL
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
C3
H.M. DOOR WRAPPED FRAME
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
NEW DOOR AND FRAME, SEE DOOR AND FRAME SCHEDULE
COMP BACKUP MAT. WITH SEALANT AT TWO SIDES

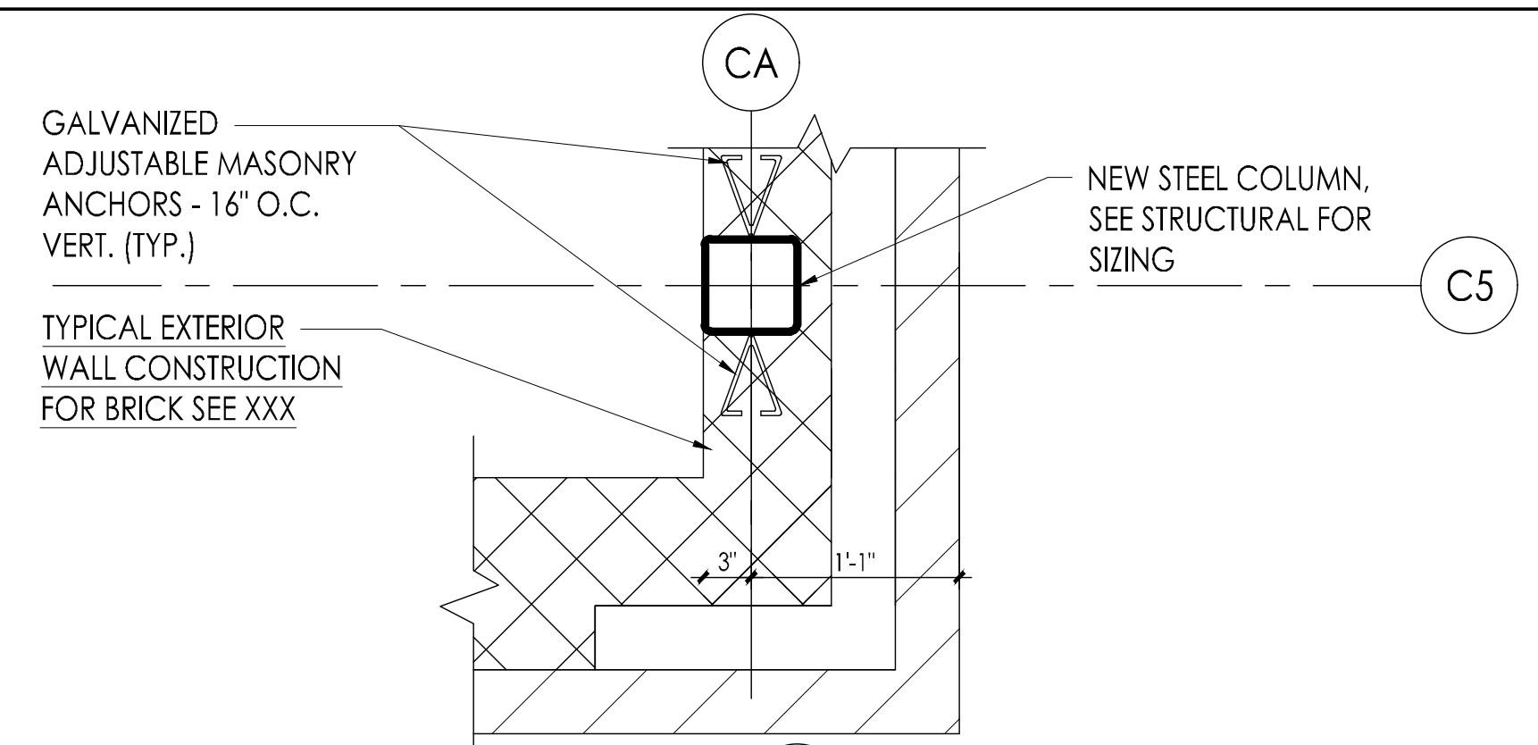
B8


CA.9
10"
4"
4"
NEW 6" CMU WALL
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
C5
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
NEW 8" CMU WALL
NEW 4" CMU WALL

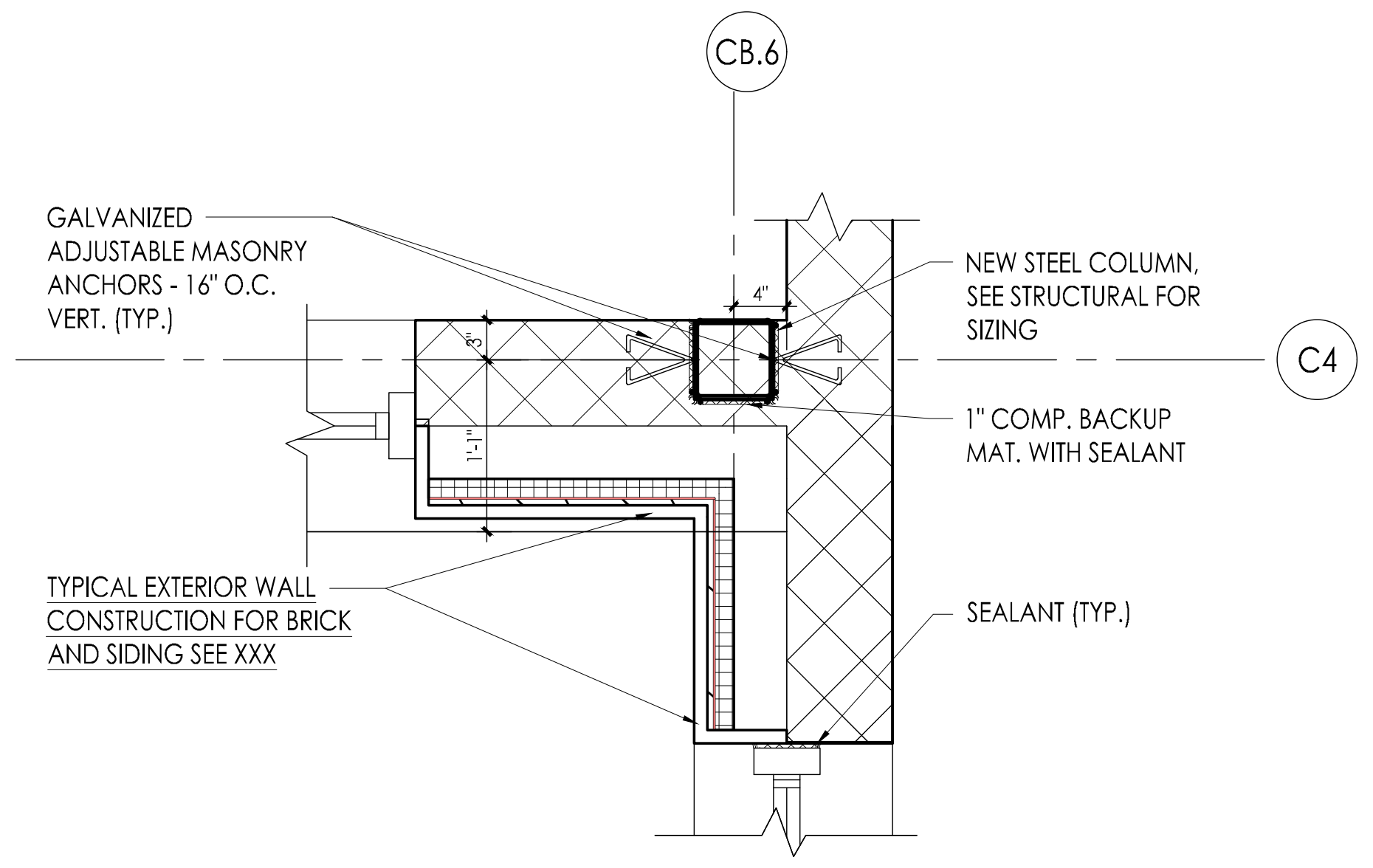
B9



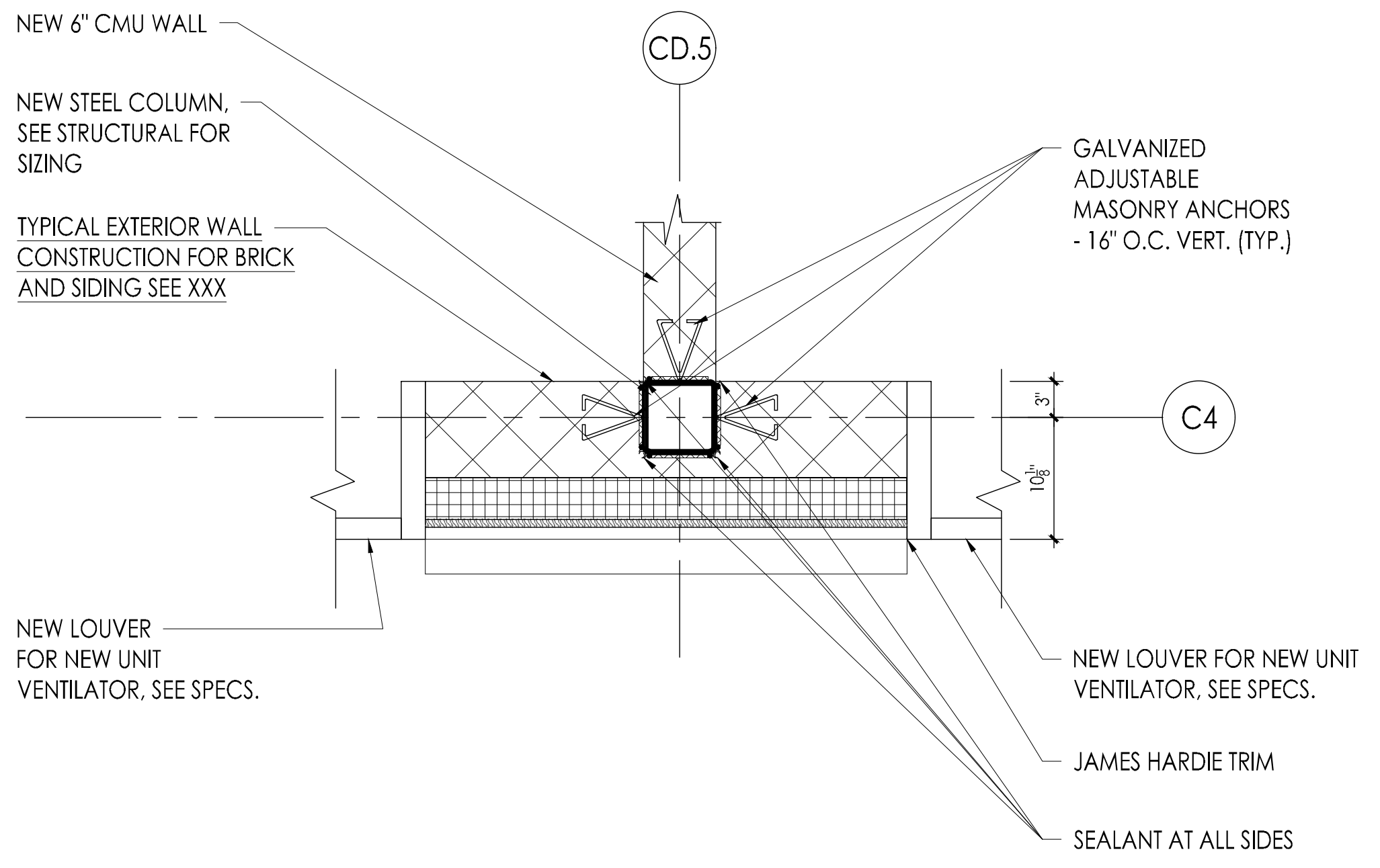
B10


CA
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK SEE XXX
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
C5
3"
1'-1"

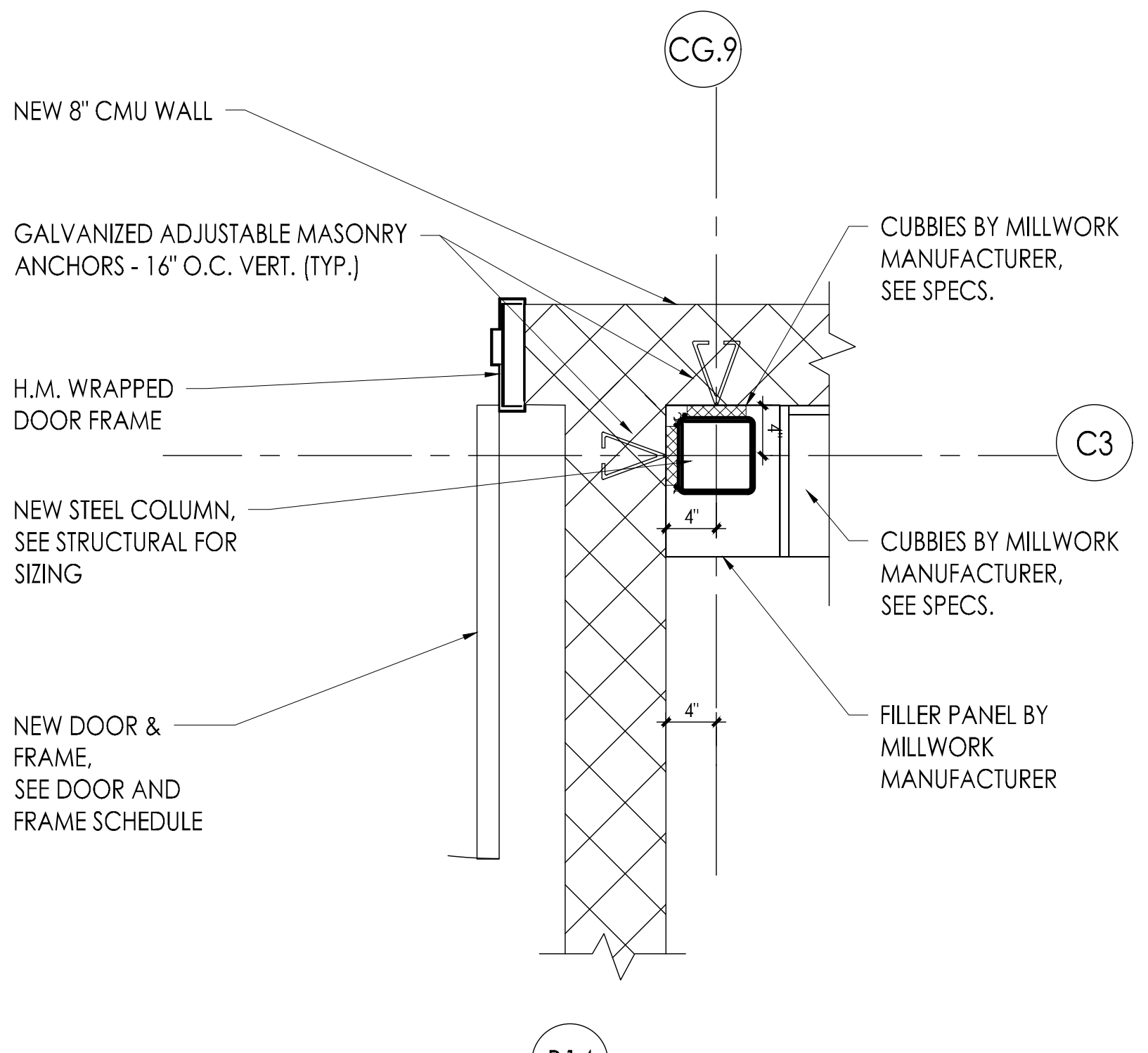
B11


CB.6
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
4"
3"
1'-1"
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
C4
1" COMP. BACKUP MAT. WITH SEALANT
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK AND SIDING SEE XXX
SEALANT (TYP.)

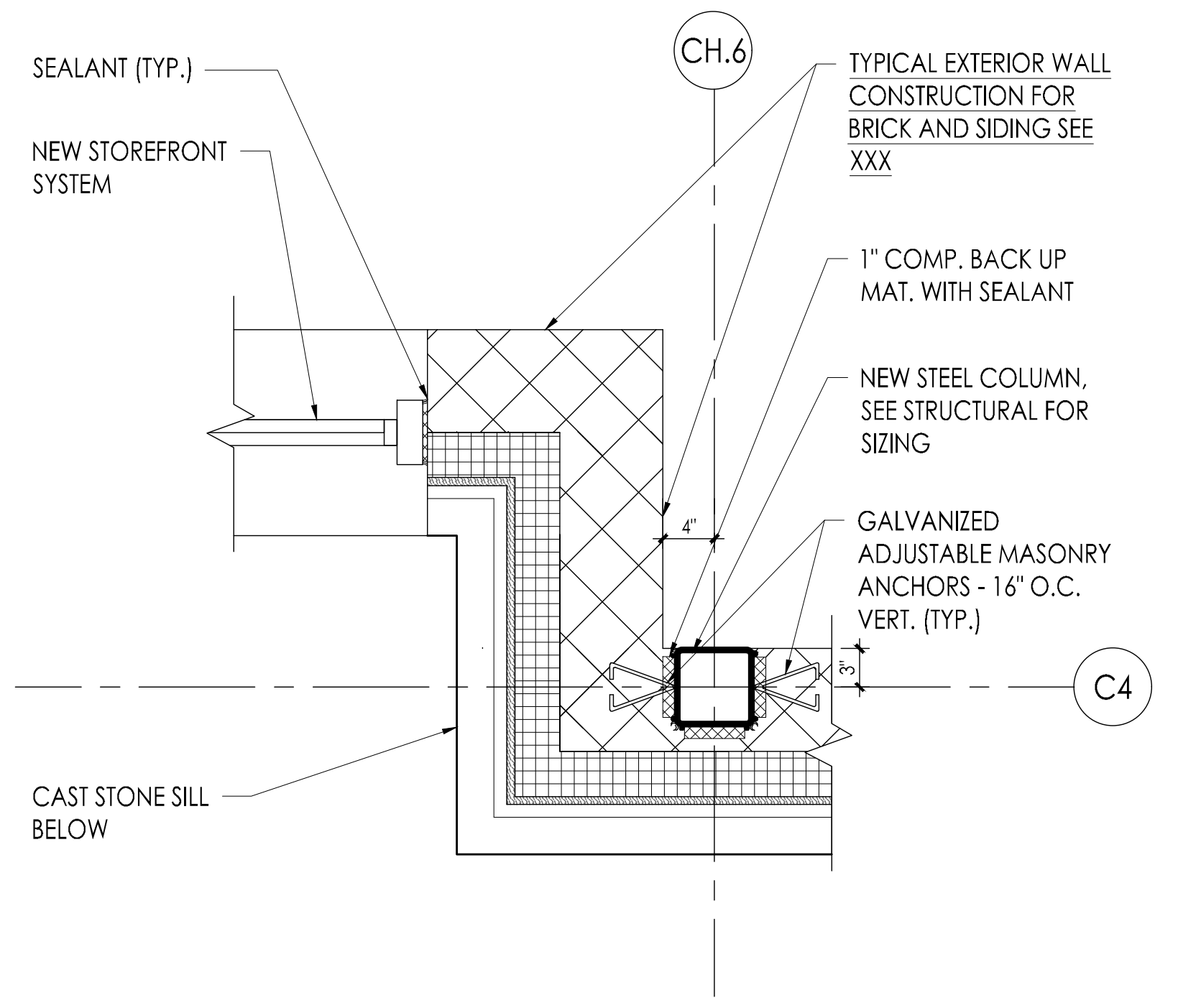
B12


NEW 6" CMU WALL
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK AND SIDING SEE XXX
CD.5
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
3"
10 1/8"
C4
NEW LOUVER FOR NEW UNIT VENTILATOR, SEE SPECS.
NEW LOUVER FOR NEW UNIT VENTILATOR, SEE SPECS.
JAMES HARDIE TRIM
SEALANT AT ALL SIDES

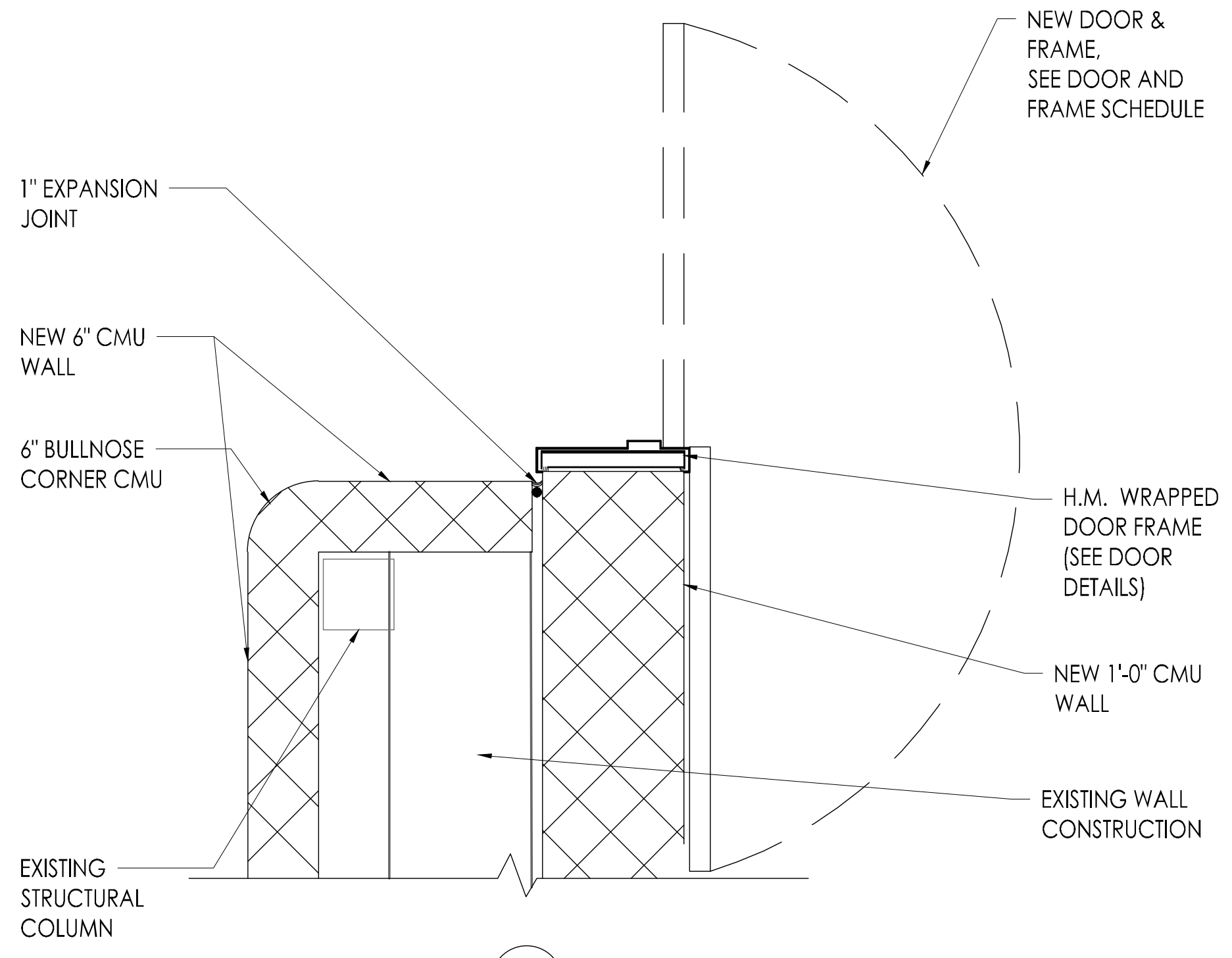
B13


CG.9
NEW 8" CMU WALL
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
H.M. WRAPPED DOOR FRAME
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
NEW DOOR & FRAME, SEE DOOR AND FRAME SCHEDULE
CUBBIES BY MILLWORK MANUFACTURER, SEE SPECS.
C3
4"
4"
CUBBIES BY MILLWORK MANUFACTURER, SEE SPECS.
FILLER PANEL BY MILLWORK MANUFACTURER

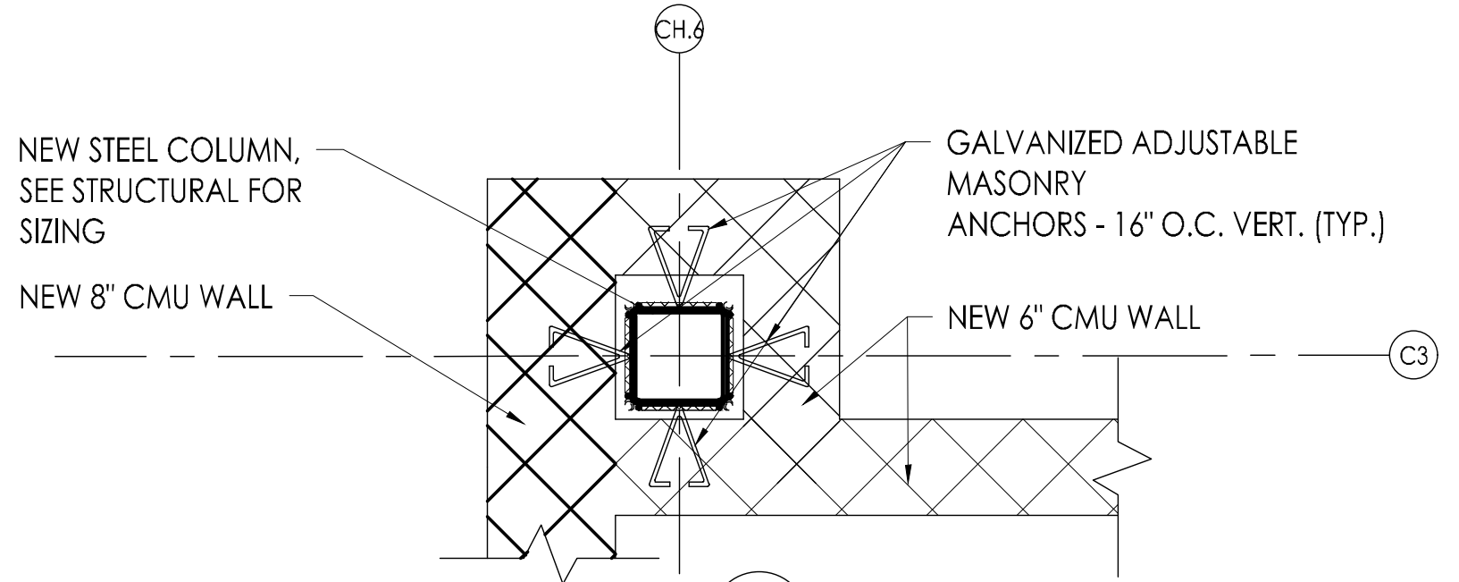
B14


SEALANT (TYP.)
NEW STOREFRONT SYSTEM
CH.6
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK AND SIDING SEE XXX
1" COMP. BACK UP MAT. WITH SEALANT
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
4"
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
3"
C4
CAST STONE SILL BELOW

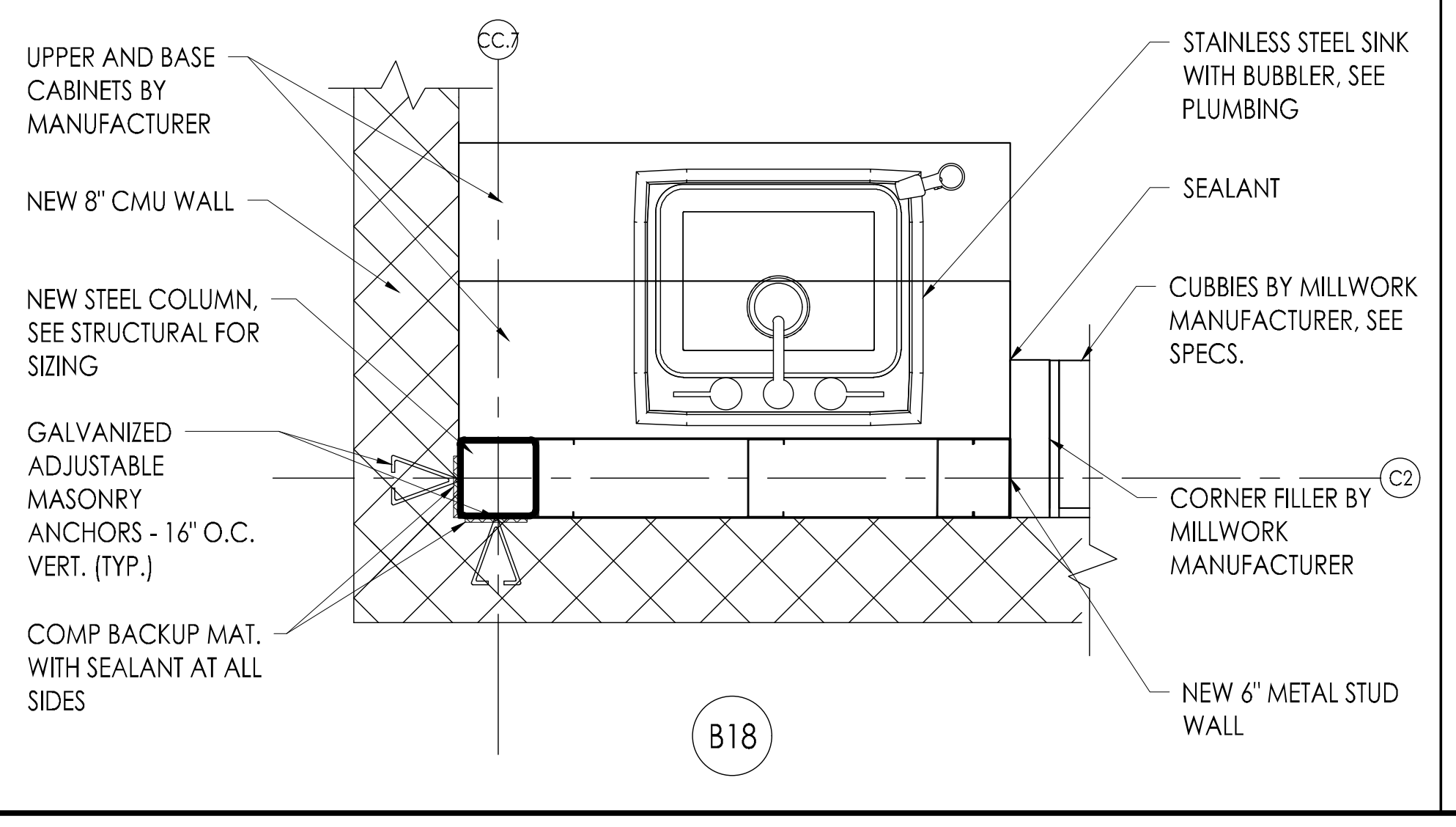
B15


NEW DOOR & FRAME, SEE DOOR AND FRAME SCHEDULE
1" EXPANSION JOINT
NEW 6" CMU WALL
6" BULLNOSE CORNER CMU
H.M. WRAPPED DOOR FRAME (SEE DOOR DETAILS)
NEW 1'-0" CMU WALL
EXISTING WALL CONSTRUCTION
EXISTING STRUCTURAL COLUMN

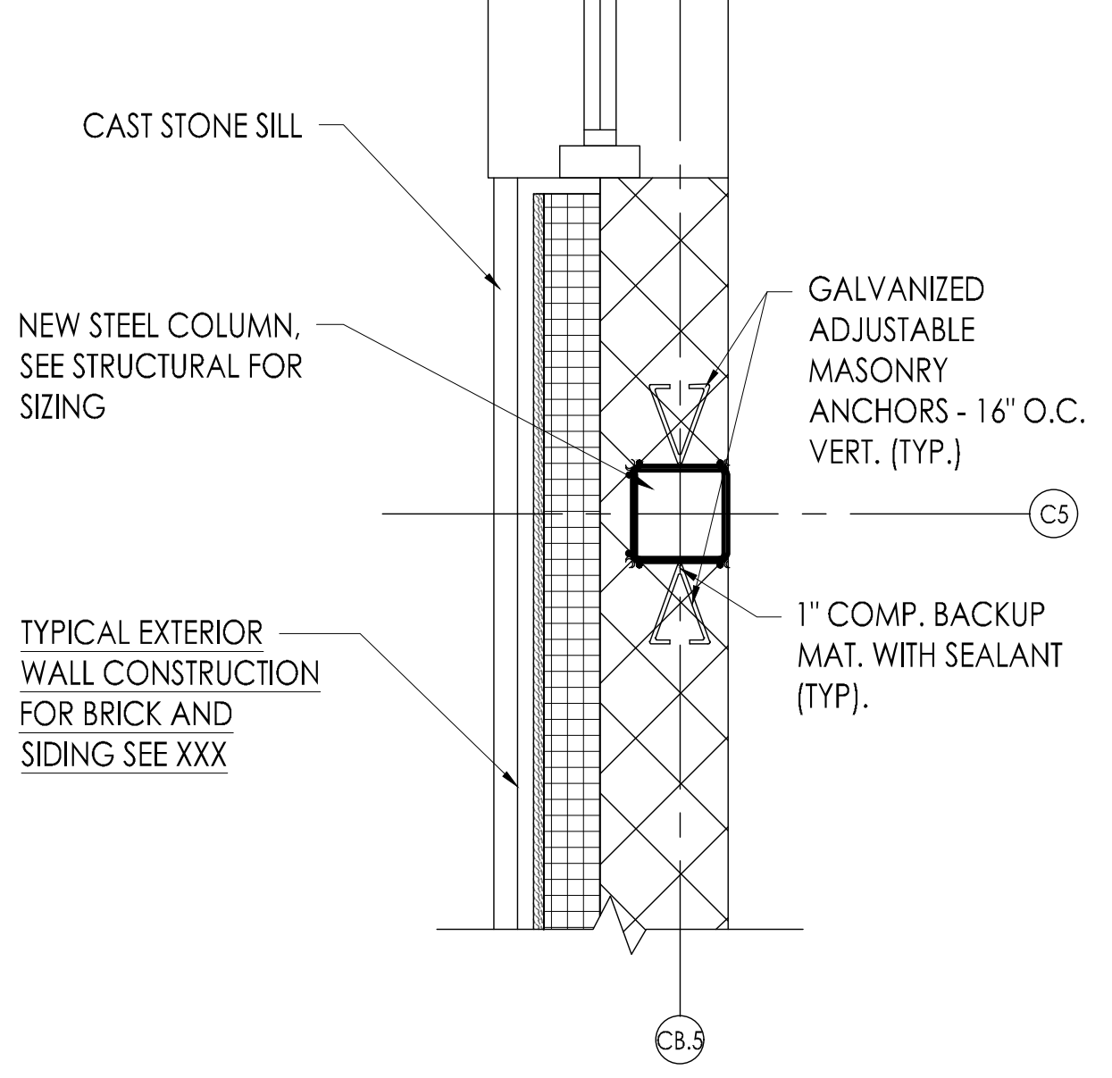
B16


CH.6
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
NEW 8" CMU WALL
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
NEW 6" CMU WALL
C3

B17


CC.7
UPPER AND BASE CABINETS BY MANUFACTURER
NEW 8" CMU WALL
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
COMP BACKUP MAT. WITH SEALANT AT ALL SIDES
STAINLESS STEEL SINK WITH BUBBLER, SEE PLUMBING
SEALANT
CUBBIES BY MILLWORK MANUFACTURER, SEE SPECS.
C2
CORNER FILLER BY MILLWORK MANUFACTURER
NEW 6" METAL STUD WALL

B18


CAST STONE SILL
NEW STEEL COLUMN, SEE STRUCTURAL FOR SIZING
TYPICAL EXTERIOR WALL CONSTRUCTION FOR BRICK AND SIDING SEE XXX
GALVANIZED ADJUSTABLE MASONRY ANCHORS - 16" O.C. VERT. (TYP.)
C5
1" COMP. BACKUP MAT. WITH SEALANT (TYP).
CB.5

B19

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Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

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JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

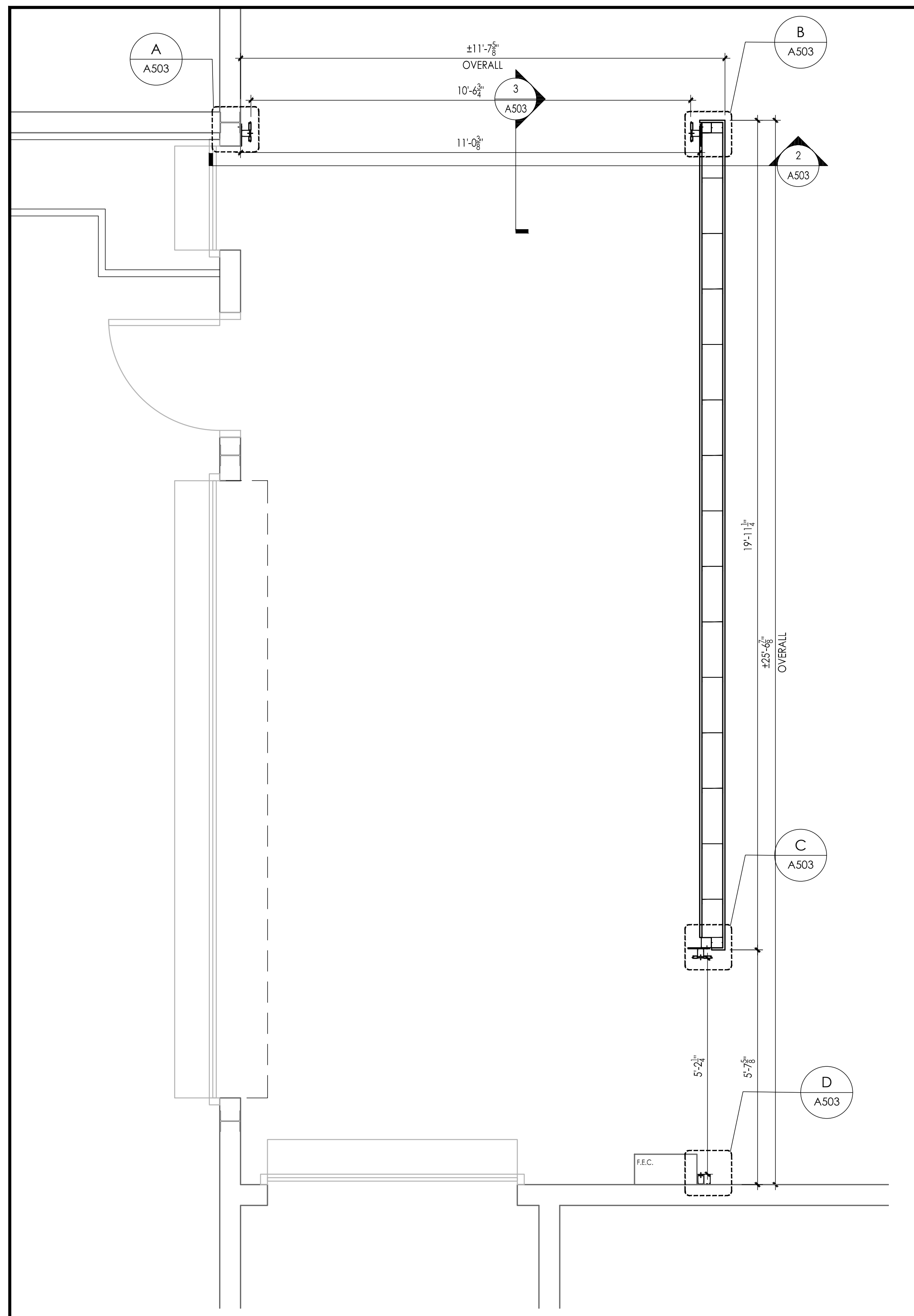
Scale
1"= 1'-0"

Drawing Name
PLAN DETAILS

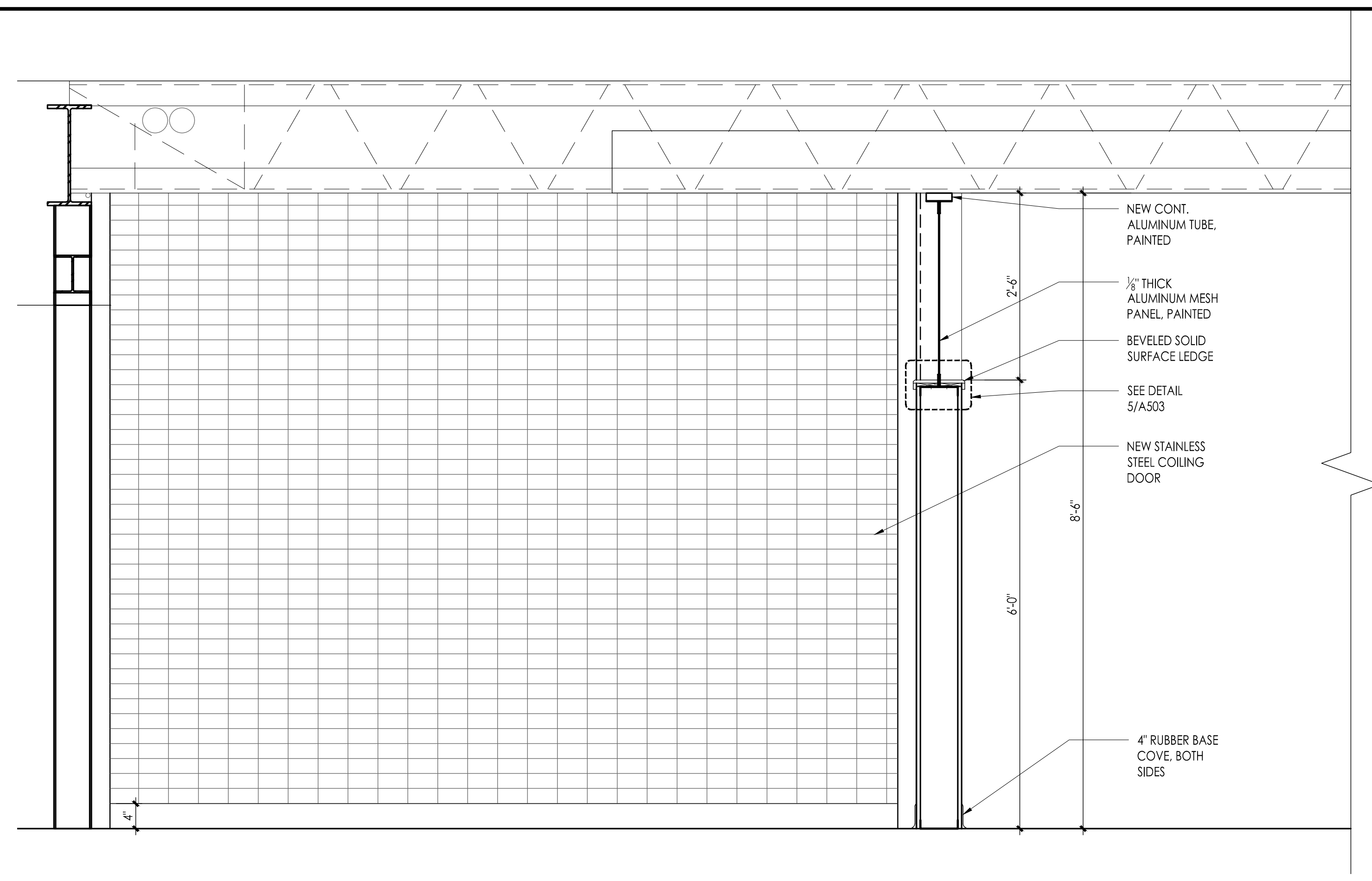
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

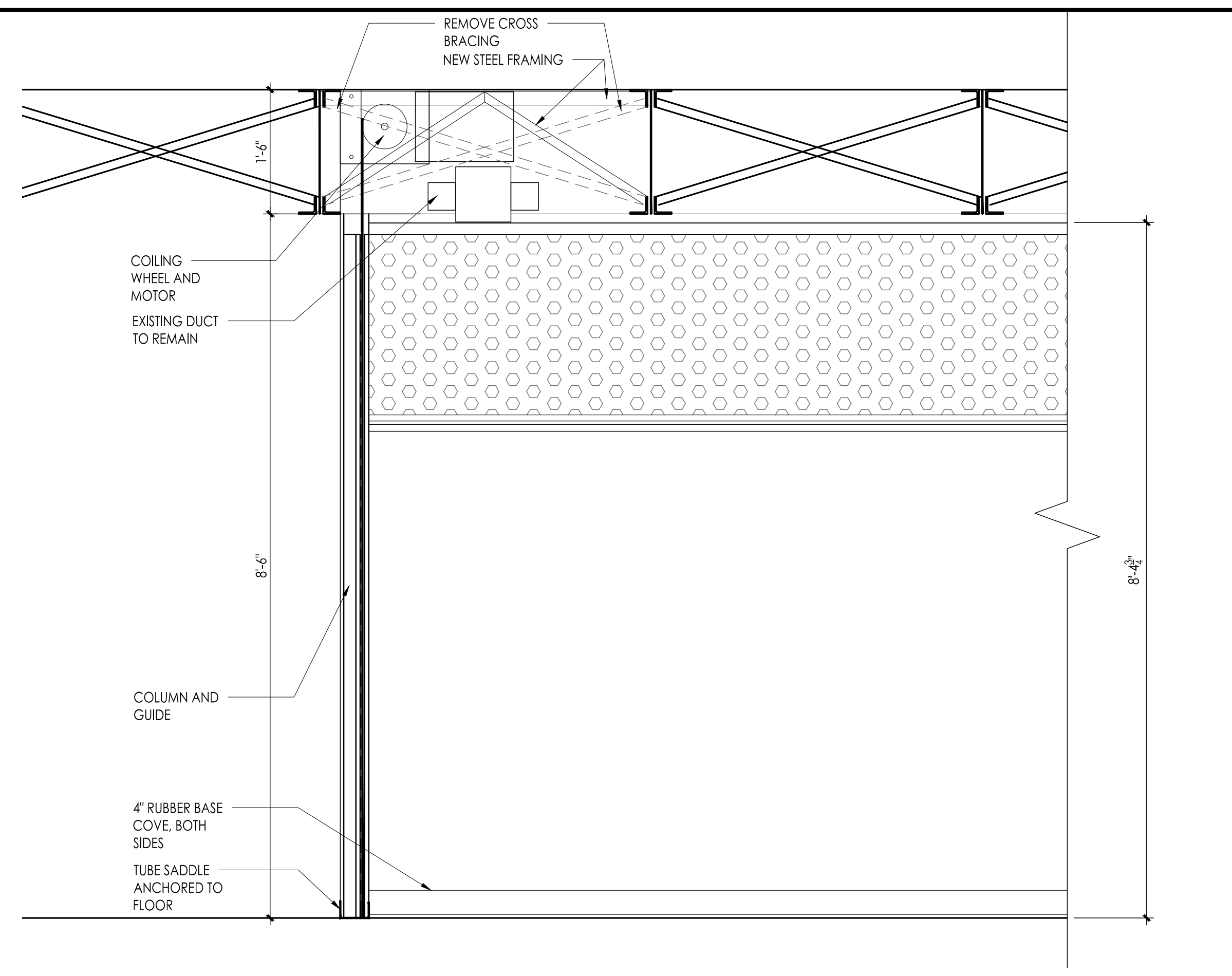
Drawing Number
A502



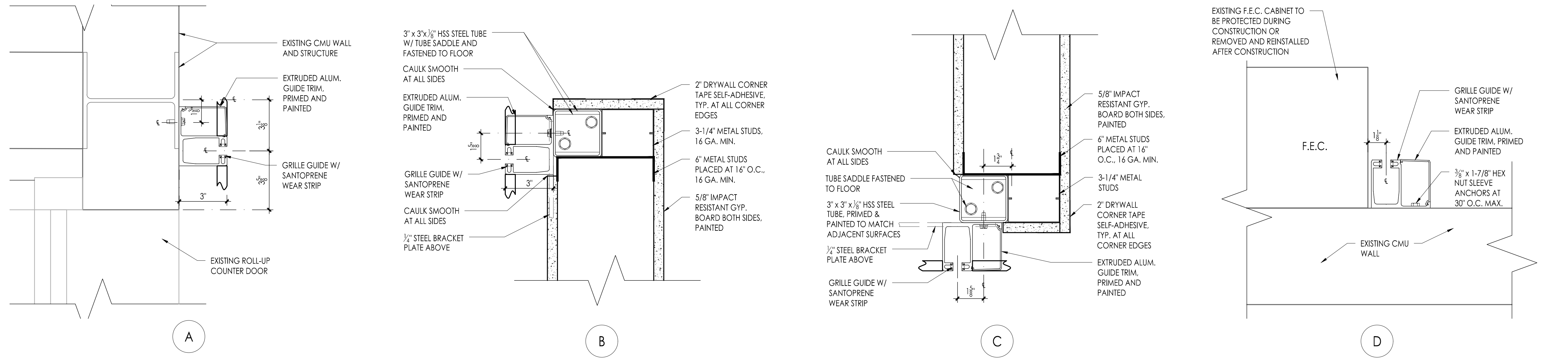
1 FLOOR PLAN OF SERVICE LINE AREA
1/2" = 1'-0"


NEW CONT. ALUMINUM TUBE, PAINTED
⅛" THICK ALUMINUM MESH PANEL, PAINTED
BEVELED SOLID SURFACE LEDGE
SEE DETAIL 5/A503
NEW STAINLESS STEEL COILING DOOR
4" RUBBER BASE COVE, BOTH SIDES
2'-6"
6'-0"
8'-6"
4"

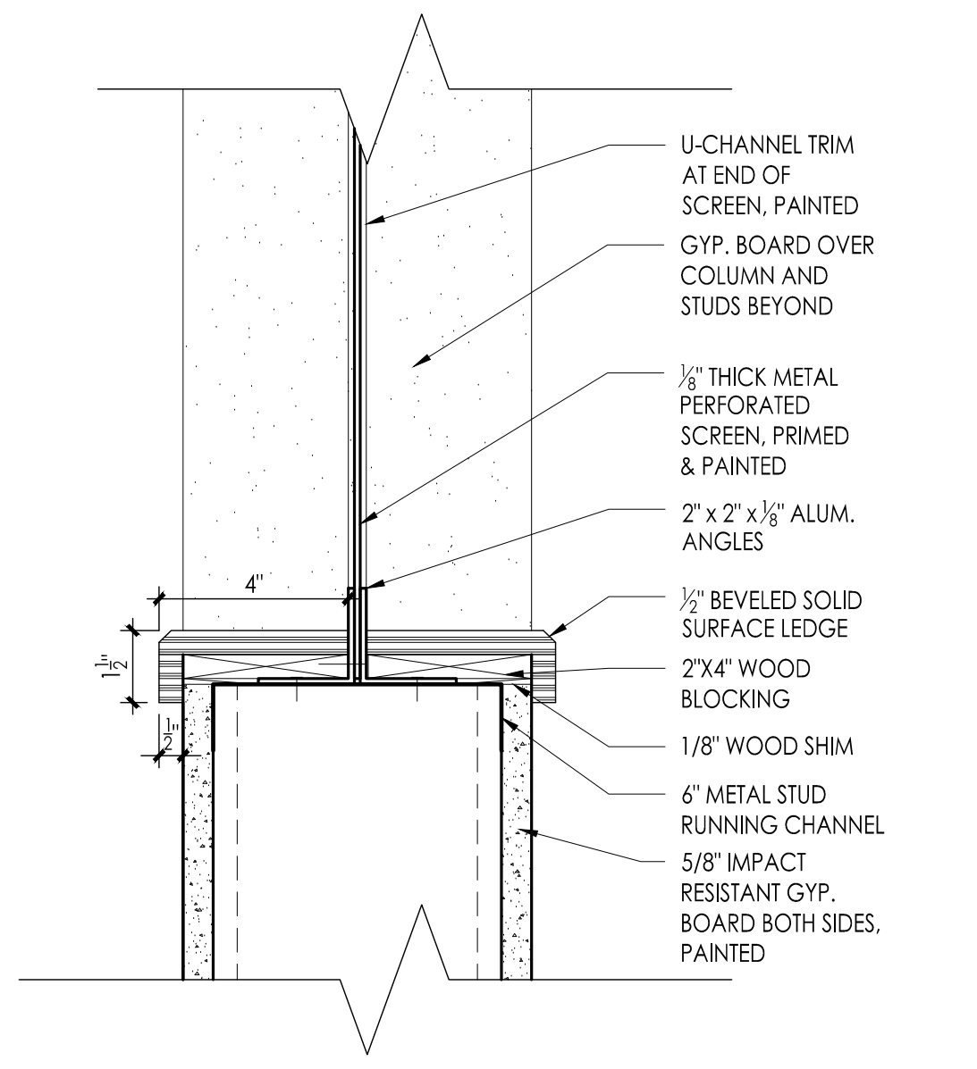
2 SERVICE LINE AREA ELEVATION & SECTION
3/4" = 1'-0"



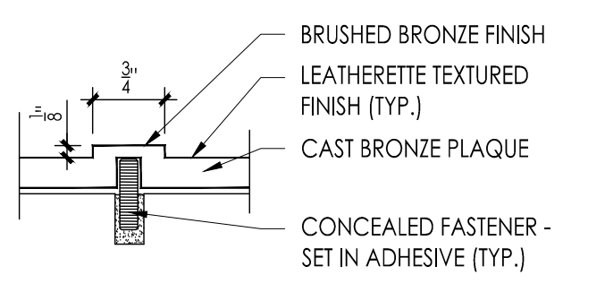
3 SERVICE LINE AREA PARTIAL ELEVATION & SECTION
3/4" = 1'-0"


EXISTING CMU WALL AND STRUCTURE
EXTRUDED ALUM. GUIDE TRIM, PRIMED AND PAINTED
GRILLE GUIDE W/ SANTOPRENE WEAR STRIP
EXISTING ROLL-UP COUNTER DOOR
1⅛
3⅛"
3⅝"
3"
A
3" x 3"x⅛" HSS STEEL TUBE W/ TUBE SADDLE AND FASTENED TO FLOOR
CAULK SMOOTH AT ALL SIDES
EXTRUDED ALUM. GUIDE TRIM, PRIMED AND PAINTED
GRILLE GUIDE W/ SANTOPRENE WEAR STRIP
CAULK SMOOTH AT ALL SIDES
¼" STEEL BRACKET PLATE ABOVE
2" DRYWALL CORNER TAPE SELF-ADHESIVE, TYP. AT ALL CORNER EDGES
3-1/4" METAL STUDS, 16 GA. MIN.
6" METAL STUDS PLACED AT 16" O.C., 16 GA. MIN.
5/8" IMPACT RESISTANT GYP. BOARD BOTH SIDES, PAINTED
1⅝"
3"
B
CAULK SMOOTH AT ALL SIDES
TUBE SADDLE FASTENED TO FLOOR
3" x 3" x⅛" HSS STEEL TUBE, PRIMED & PAINTED TO MATCH ADJACENT SURFACES
¼" STEEL BRACKET PLATE ABOVE
GRILLE GUIDE W/ SANTOPRENE WEAR STRIP
5/8" IMPACT RESISTANT GYP. BOARD BOTH SIDES, PAINTED
6" METAL STUDS PLACED AT 16" O.C., 16 GA. MIN.
3-1/4" METAL STUDS
2" DRYWALL CORNER TAPE SELF-ADHESIVE, TYP. AT ALL CORNER EDGES
EXTRUDED ALUM. GUIDE TRIM, PRIMED AND PAINTED
1¾"
1⅝"
C
EXISTING F.E.C. CABINET TO BE PROTECTED DURING CONSTRUCTION OR REMOVED AND REINSTALLED AFTER CONSTRUCTION
F.E.C.
GRILLE GUIDE W/ SANTOPRENE WEAR STRIP
EXTRUDED ALUM. GUIDE TRIM, PRIMED AND PAINTED
⅜" x 1-7/8" HEX NUT SLEEVE ANCHORS AT 30" O.C. MAX.
EXISTING CMU WALL
1⅛"
D

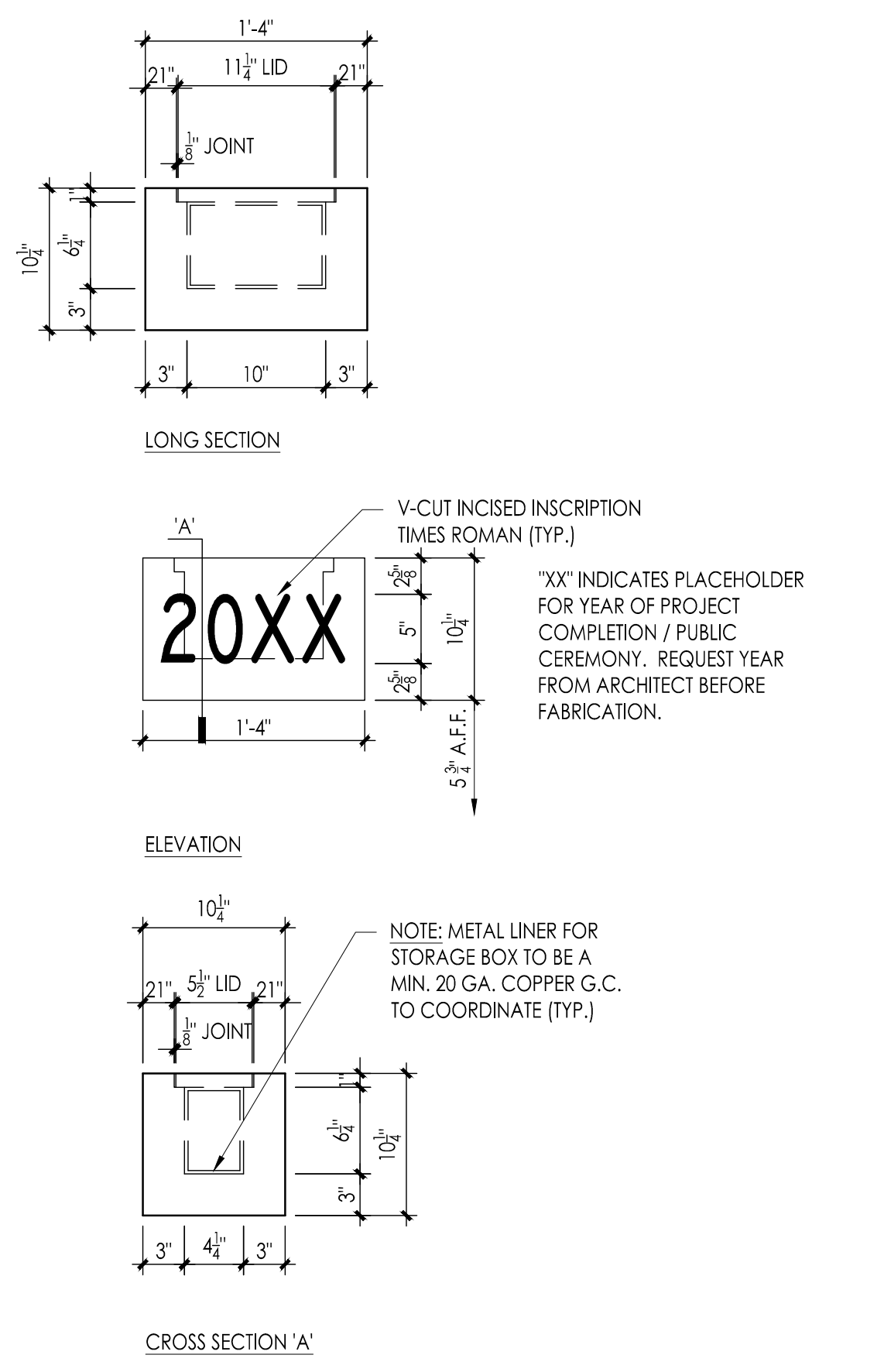
4 PLAN DETAILS AT SERVICE LINE AREA
3" = 1'-0"


U-CHANNEL TRIM AT END OF SCREEN, PAINTED
GYP. BOARD OVER COLUMN AND STUDS BEYOND
⅛" THICK METAL PERFORATED SCREEN, PRIMED & PAINTED
2" x 2" x⅛" ALUM. ANGLES
½" BEVELED SOLID SURFACE LEDGE
2"X4" WOOD BLOCKING
1/8" WOOD SHIM
6" METAL STUD RUNNING CHANNEL
5/8" IMPACT RESISTANT GYP. BOARD BOTH SIDES, PAINTED
4"
1½"
½"

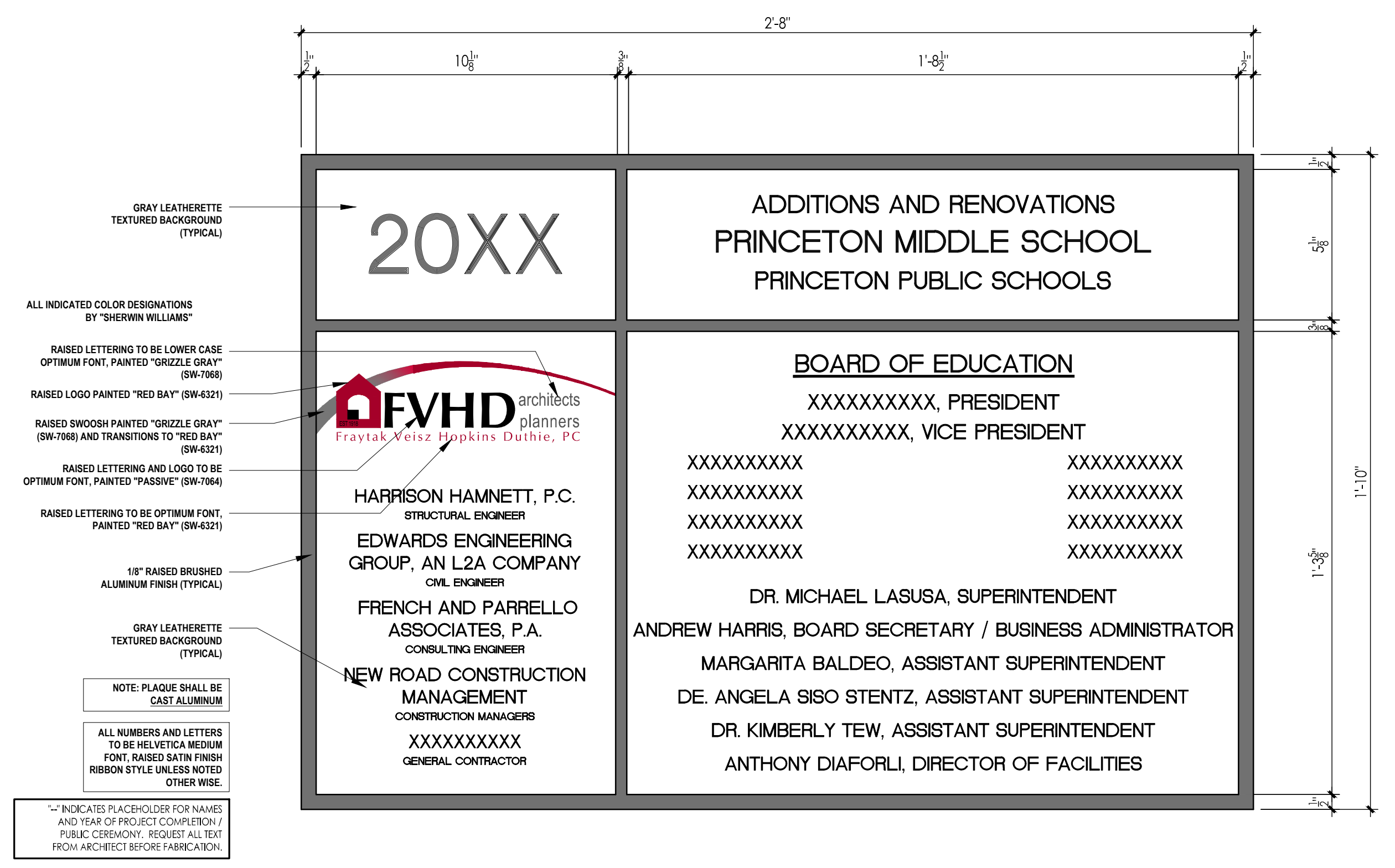
5 LEDGE DETAIL
3" = 1'-0"


BRUSHED BRONZE FINISH
LEATHERETTE TEXTURED FINISH (TYP.)
CAST BRONZE PLAQUE
CONCEALED FASTENER - SET IN ADHESIVE (TYP.)
¾"
⅛"

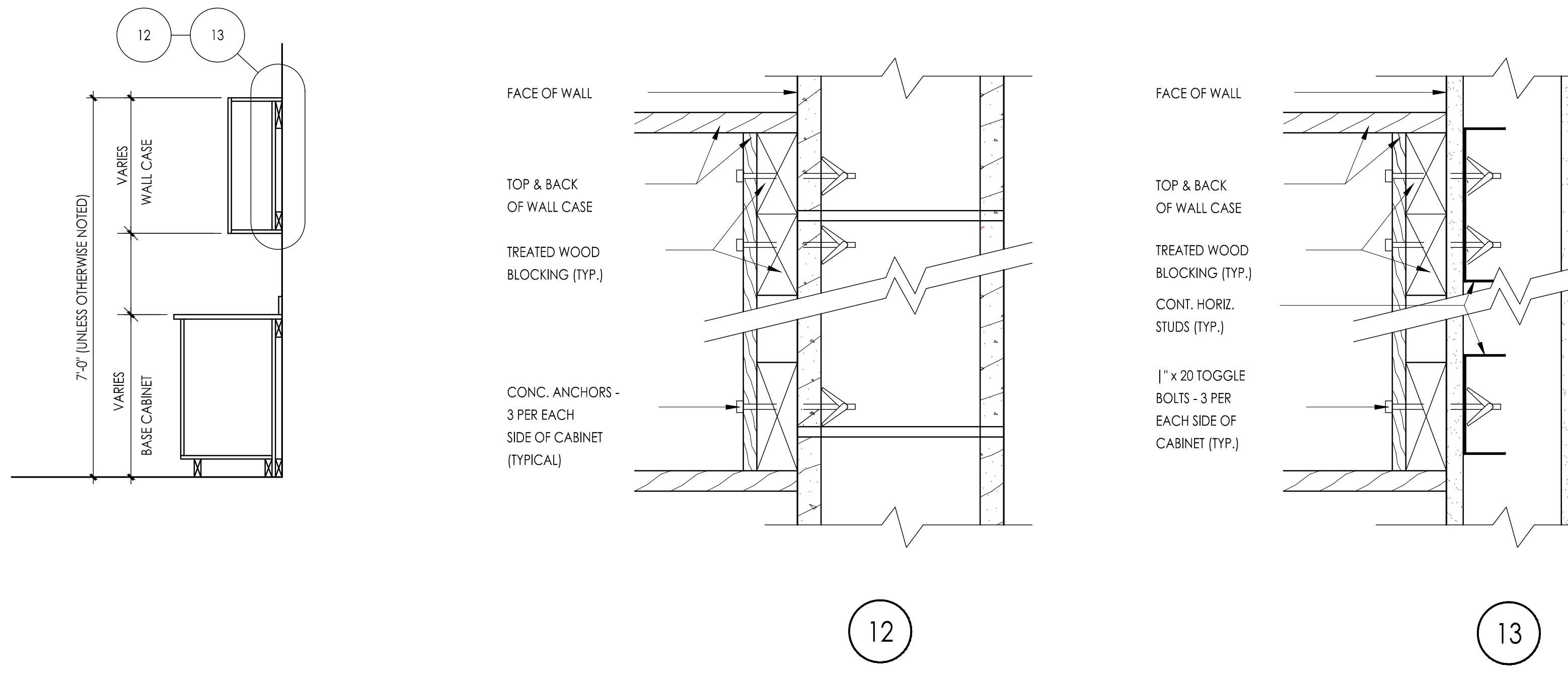
8 FASTENER DETAIL
6" = 1'-0"


1'-4"
21"
11¼" LID
21"
⅛" JOINT
10¼"
6¼"
1"
3"
3"
10"
3"
LONG SECTION
V-CUT INCISED INSCRIPTION TIMES ROMAN (TYP.)
'A'
20XX
"XX" INDICATES PLACEHOLDER FOR YEAR OF PROJECT COMPLETION / PUBLIC CEREMONY. REQUEST YEAR FROM ARCHITECT BEFORE FABRICATION.
2⅝"
5"
2⅝"
10¼"
1'-4"
5¾" A.F.F.
ELEVATION
10¼"
21"
5½" LID
21"
⅛" JOINT
NOTE: METAL LINER FOR STORAGE BOX TO BE A MIN. 20 GA. COPPER G.C. TO COORDINATE (TYP.)
1"
6¼"
10¼"
3"
3"
4¼"
3"
CROSS SECTION 'A'

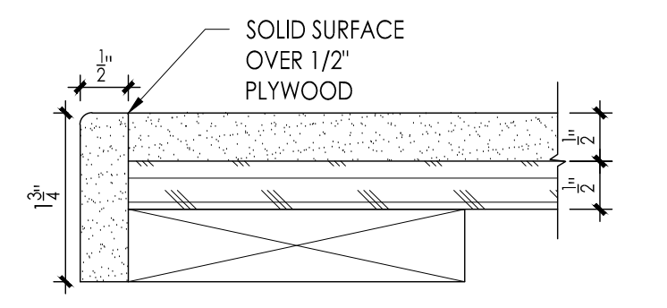
9 DATE STONE DETAIL
1" = 1'-0"


2'-8"
½"
10⅛"
⅜"
1'-8½"
½"
½"
5⅛"
⅜"
1'-3⅝"
½"
1'-10"
GRAY LEATHERETTE TEXTURED BACKGROUND (TYPICAL)
ALL INDICATED COLOR DESIGNATIONS BY "SHERWIN WILLIAMS"
RAISED LETTERING TO BE LOWER CASE OPTIMUM FONT, PAINTED "GRIZZLE GRAY" (SW-7068)
RAISED LOGO PAINTED "RED BAY" (SW-6321)
RAISED SWOOSH PAINTED "GRIZZLE GRAY" (SW-7068) AND TRANSITIONS TO "RED BAY" (SW-6321)
RAISED LETTERING AND LOGO TO BE OPTIMUM FONT, PAINTED "PASSIVE" (SW-7064)
RAISED LETTERING TO BE OPTIMUM FONT, PAINTED "RED BAY" (SW-6321)
1/8" RAISED BRUSHED ALUMINUM FINISH (TYPICAL)
GRAY LEATHERETTE TEXTURED BACKGROUND (TYPICAL)
NOTE: PLAQUE SHALL BE CAST ALUMINUM
ALL NUMBERS AND LETTERS TO BE HELVETICA MEDIUM FONT, RAISED SATIN FINISH RIBBON STYLE UNLESS NOTED OTHER WISE.
"--" INDICATES PLACEHOLDER FOR NAMES AND YEAR OF PROJECT COMPLETION / PUBLIC CEREMONY. REQUEST ALL TEXT FROM ARCHITECT BEFORE FABRICATION.
20XX
ADDITIONS AND RENOVATIONS
PRINCETON MIDDLE SCHOOL
PRINCETON PUBLIC SCHOOLS
FVHD architects planners
Fraytak Veisz Hopkins Duthie, PC
HARRISON HAMNETT, P.C.
STRUCTURAL ENGINEER
EDWARDS ENGINEERING GROUP, AN L2A COMPANY
CIVIL ENGINEER
FRENCH AND PARRELLO ASSOCIATES, P.A.
CONSULTING ENGINEER
NEW ROAD CONSTRUCTION MANAGEMENT
CONSTRUCTION MANAGERS
XXXXXXXXXX
GENERAL CONTRACTOR
BOARD OF EDUCATION
XXXXXXXXXX, PRESIDENT
XXXXXXXXXX, VICE PRESIDENT
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
DR. MICHAEL LASUSA, SUPERINTENDENT
ANDREW HARRIS, BOARD SECRETARY / BUSINESS ADMINISTRATOR
MARGARITA BALDEO, ASSISTANT SUPERINTENDENT
DE. ANGELA SISO STENTZ, ASSISTANT SUPERINTENDENT
DR. KIMBERLY TEW, ASSISTANT SUPERINTENDENT
ANTHONY DIAFORLI, DIRECTOR OF FACILITIES

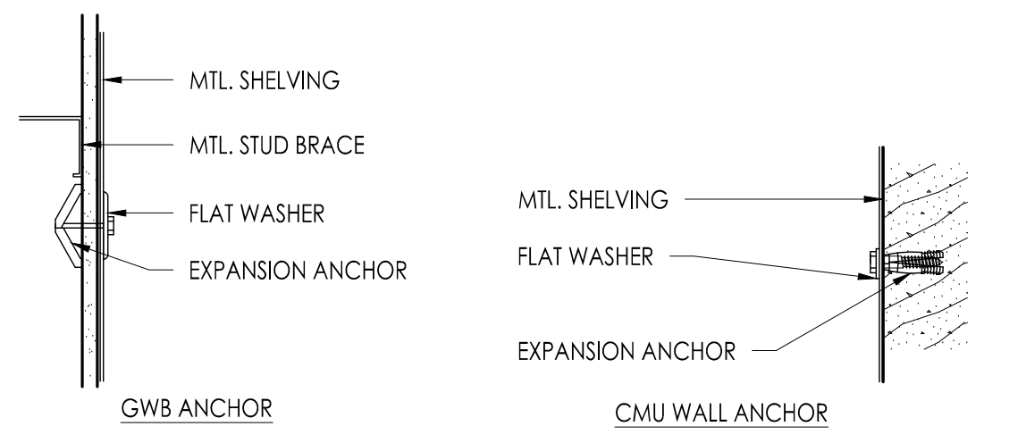
10 COMMEMORATIVE PLAQUE
3" = 1'-0"


12
13
VARIES
WALL CASE
7'-0" (UNLESS OTHERWISE NOTED)
VARIES
BASE CABINET
FACE OF WALL
TOP & BACK OF WALL CASE
TREATED WOOD BLOCKING (TYP.)
CONC. ANCHORS - 3 PER EACH SIDE OF CABINET (TYPICAL)
12
FACE OF WALL
TOP & BACK OF WALL CASE
TREATED WOOD BLOCKING (TYP.)
CONT. HORIZ. STUDS (TYP.)
|" x 20 TOGGLE BOLTS - 3 PER EACH SIDE OF CABINET (TYP.)
13

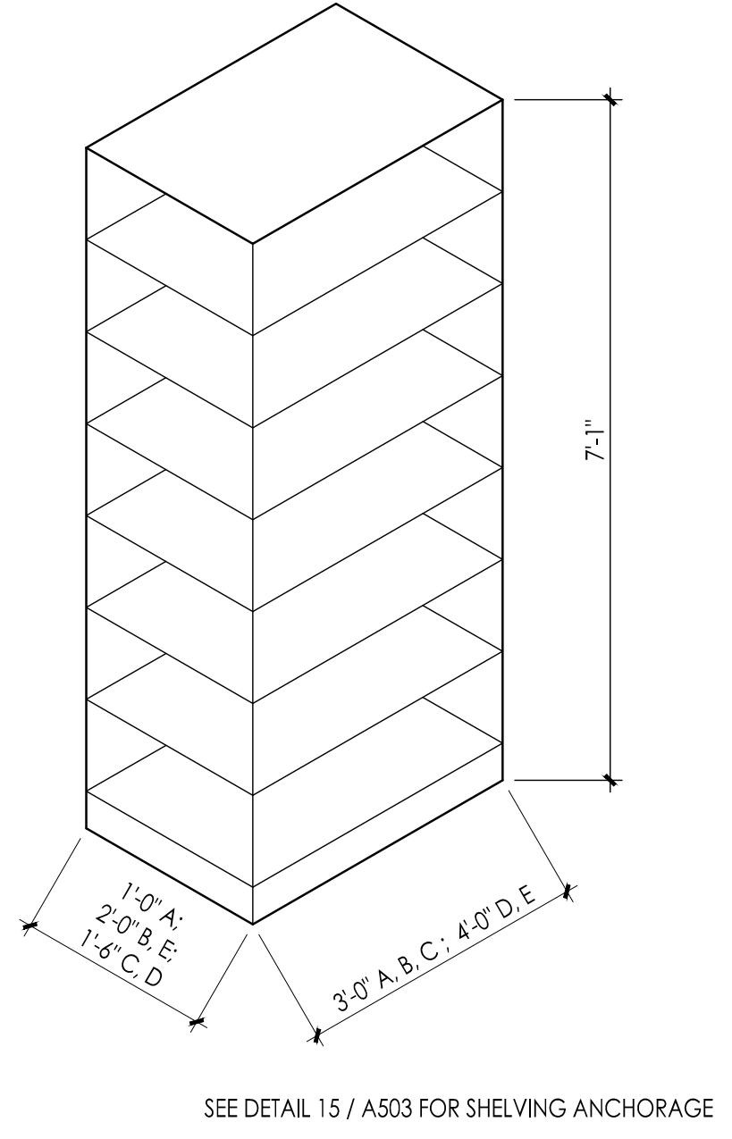
11 WALL CABINET MOUNTING DETAIL
1/2" = 1'-0"



14 SOLID SURFACE COUNTER EDGE DETAIL
6" = 1'-0"



15 METAL SHELF INSTALLATION DETAIL
1 1/2" = 1'-0"



SEE DETAIL 15 / A503 FOR SHELVING ANCHORAGE

16 METAL SHELF DETAIL
1/2" = 1'-0"

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Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
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NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

Scale
AS NOTED

Drawing Name
MISCELLANEOUS DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A503

GENERAL DOOR NOTES:

- A. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
- B. UNDERCUT ALL DOORS ½" ABOVE FINISHED FLOOR, U.N.O.
- C. ALL EXTERIOR DOORS ARE TO RECEIVE SIGNAGE PER DISTRICT NUMBERING SEQUENCE.
- D. SEE DOOR TYPES AND FRAME TYPES ON THIS DRAWING.
- E. SEE SIGNAGE TYPES ON THIS DRAWING.
- F. SEE HEAD, JAMB AND SADDLE DETAILS ON THIS DRAWING.
- G. COORDINATE ALL ACCESS CONTROL PREP AND WIRING WITH ELECTRICAL CONTRACTOR AND OWNER'S SECURITY VENDOR (TYP.)

ABBREVIATIONS

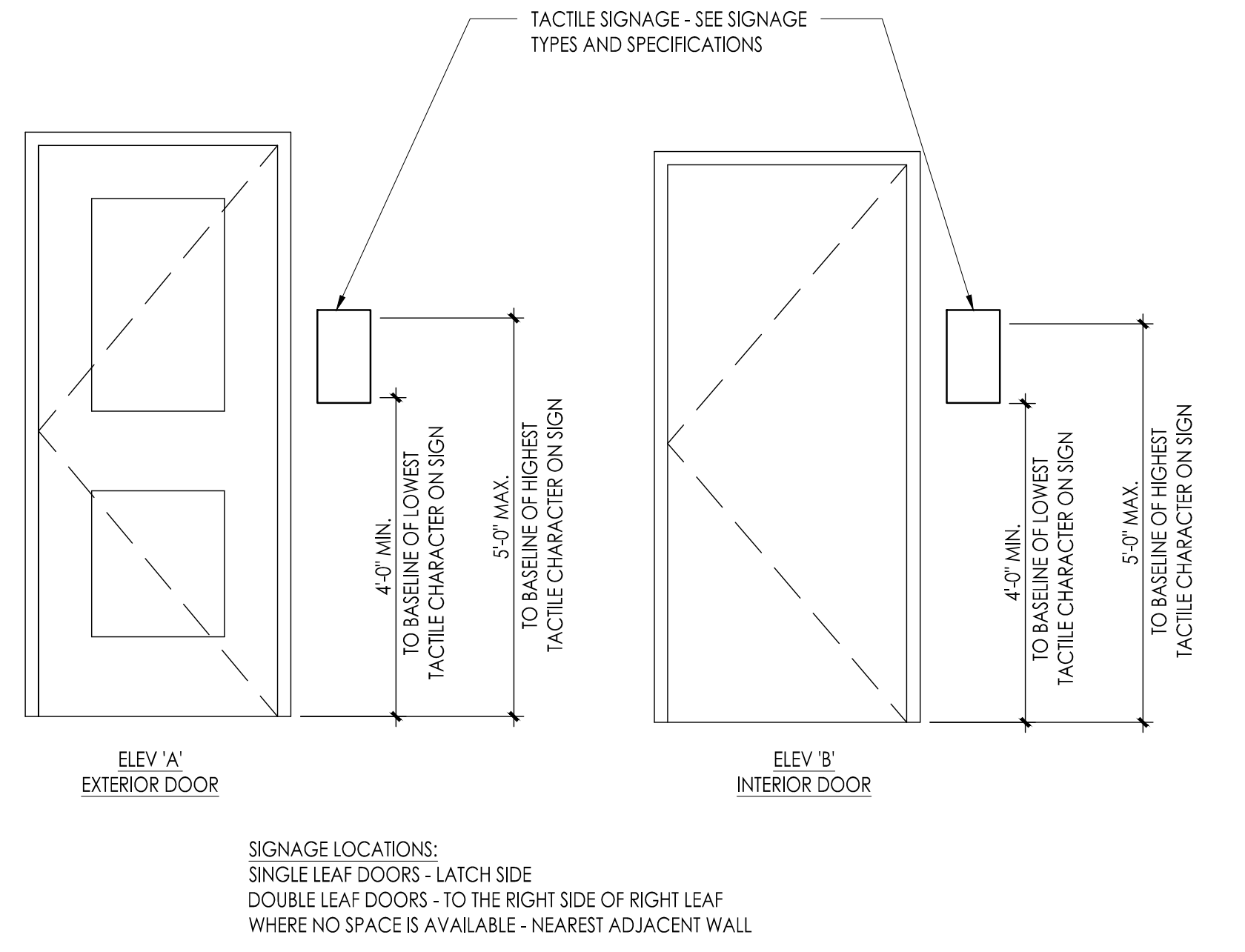
AL	- ALUMINUM
FRIG-1	- FIRE-RATED IMPACT GLAZING W/ PRE-APPLIED SECURITY FILM
FRP	- FIBERGLASS REINFORCED POLYESTER
HM	- HOLLOW METAL
INSUL-F	- INSULATED TEMPERED GLAZING WITH SECURITY FILM
SWF	- SECURITY WINDOW FILM
TPG	- TEMPERED PLATE GLASS
WD	- WOOD

DOOR SCHEDULE NOTES:

1. ACOUSTICAL DOOR FRAME, GLAZING AND SEALS.
2. CARD READER BY OWNER'S SECURITY VENDOR - SEE GENERAL DOOR NOTE F AND ELECTRICAL DRAWINGS.
3. ELECTRO-MAGNETICALLY HELD OPEN - SEE SPECIFICATION AND ELECTRICAL DRAWINGS.
4. PROTECT EXISTING DOOR AND FRAME DURING CONSTRUCTION.
5. BORROWED LIGHT FRAME.
6. DOOR WITH SIDELIGHT AND / OR TRANSOM - SEE FRAME TYPES.
7. CASE FRAMING OPENING.
8. FIRE RATED DOOR AND FRAME EXTERIOR ONLY. SEE HEAD AND JAMB DETAILS.
9. WELDED FRAME.
10. NEW DOOR TO RECEIVE RECESSED PULLS.
11. PROVIDE POSTED SIGN OCCUPANT LOAD OF 300 PERSONS.
12. PROVIDE POSTED SIGN OCCUPANT LOAD OF 150 PERSONS.
13. INSTALL SIGN TYPE '2' ON B/F TOILET STALL DOOR(S).
14. DOOR DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY IN FIELD.
15. PREP EXISTING FRAME TO ACCEPT NEW DOOR & HARDWARE. PATCH, PLUG AND FILL ALL OPENINGS IN FRAME, ADJACENT WALL, ETC. DUE TO DEMOLITION AND NEW CONSTRUCTION TO RESTORE TO A FINISHED LEVEL CONDITION. SCRAPE, CLEAN, PRIME AND PAINT EXISTING FRAME.
16. AT NEW SERVICE LINE IN CAFETERIA, COILING DOOR DETAILS ARE SHOWN ON DWG. A503. REFERENCE SPECIFICATIONS.
17. PROVIDED POSTED SIGN SHOWING OCCUPANT LOAD LIMITED TO 49 PERSONS DURING CONSTRUCTION. REMOVE AFTER CONSTRUCTION.

DOOR AND FRAME SCHEDULE

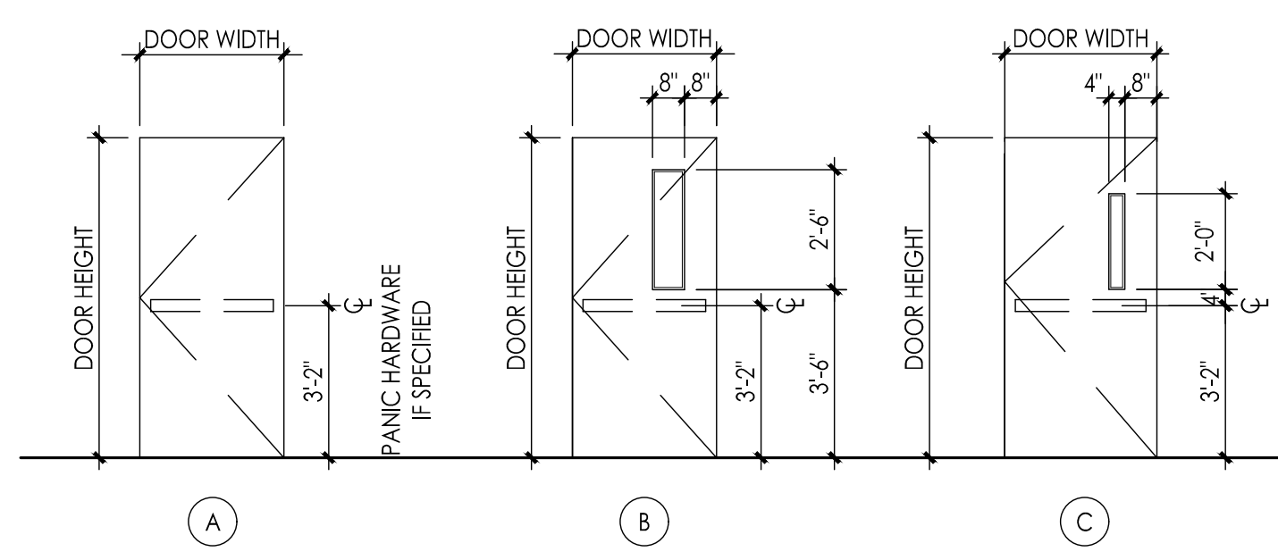
DR NO	DOOR LOCATION	DOOR				FRAME					HARDWARE	RATING	SIGN TYPE	NOTES
		SIZE	TYPE	MATL	GLAZING	TYPE	MATL	DETAIL						
								HEAD	JAMB	SADDLE				
001A	VEST. 001	2 @ 3'-2" x 7'-0"	C	FRP	INSUL-F	AD	AL	H1	J1	S1	1.0	--	1,2,3,21	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 2, 10
001B	VEST. 001	2 @ 3'-0" x 7'-0"	C	WD	FRIG-1	HB	HM	H9	J6	S2	5.0	--	2,3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 10
002	GYMNASIUM 48	2 @ 3'-0" x 7'-0"	C	FRP	INSUL-F	AB	FRP	H6A	J5A	S2	2.0	90 MIN.	3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 8, 10
003	GYMNASIUM 48	2 @ 3'-0" x 7'-0"	C	FRP	INSUL-F	AB	FRP	H6A	J5A	S2	2.0	90 MIN.	3,25	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 8,10, & 11
004	GYMNASIUM 48	2 @ 3'-0" x 7'-0"	C	FRP	INSUL-F	AB	FRP	H6B	J5B	S2	1.0	--	3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 10
005	CORR. C13	2 @ 3'-0" x 7'-0"	C	FRP	INSUL-F	AD	AL	H1SIM	J1/J3	S1	1.0	--	1,2, 3, 21	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 2, 10
006	VOCAL MUSIC 58	3'-0" x 7'-0"	C	FRP	INSUL-F	AC	AL	H1SIM	J1/J3	S1	3.0	--	3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 10
007	CAFETERIA / MULTIPURPOSE ROOM 52	2 @ 2'-8" x 7'-0"	C	FRP	INSUL-F	AB	AL	H5A	J4A	S2	1.0	90 MINS.	3, 25	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 8, 10
008	CAFETERIA / MULTIPURPOSE ROOM 52	2 @ 2'-10" x 7'-0"	C	FRP	INSUL-F	AB	AL	H5B	J4B	S2	1.0	--	2,3	--
16	KINDERGARTEN 16	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	10.0	20 MIN.	--	--
16A	S.G.I. 16A	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	18.0	20 MIN.	--	--
16B	TLT. RM. 16B	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	13.0	--	15 MOD	--
16BL	KINDERGARTEN 16	6'-0" x 7'-0"	--	--	TPG	HE	HM	H8	J7	S5	--	--	--	SEE DOOR & FRAME SCHEDULE NOTE(S): #5
17	KINDERGARTEN 17	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	10.0	20 MIN.	--	--
17A	S.G.I. 17A	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	18.0	20 MIN.	--	--
17B	TLT. RM. 17B	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	13.0	--	15 MOD	--
17BL	KINDERGARTEN 17	6'-0" x 7'-0"	--	--	TPG	HE	HM	H8	J7	S5	--	--	--	SEE DOOR & FRAME SCHEDULE NOTE(S): #5
17C	MECH. 17C	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	24.0	20 MIN.	8	--
2B	READINGAREA 2B	6'-4" x 6'-10"	--	--	--	HC	HM	H19	J8	S4	--	--	8	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 7
2BL	READINGAREA 2B	4'-8" x 4'-0"	--	--	TPG	HF	HM	H8	J7	S5	--	--	--	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 5
30	EXISTING CLASSROOM 30	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
32	EXISTING CLASSROOM 32	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
34	EXISTING CLASSROOM 34	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
36	EXISTING CLASSROOM 36	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
37	SPANISH 37	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
39	EXISTING CLASSROOM 39	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MINS	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
41	EXISTING CLASSROOM 41	3'-0" x 7'-0"	B	WD	FRIG-1	ETR	ETR/HM	--	--	--	11.0	20 MINS	--	SEE DOOR & FRAME SCHEDULE NOTES # : 14 & 15
44A	EX. INSTRUMENTAL MUSIC 44	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1	HB	HM	H11	J6/J9	S3	15.0	--	9, 25	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 1 & 17
44B	EX. INSTRUMENTAL MUSIC 44	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H9	J6/J10	S3	22.0	20 MIN.	8	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 1
45	STAFF RM. 45	3'-0" x 7'-0"	--	--	--	--	--	--	--	S4	--	--	8	--
47	CONFERENCE 47	3'-0" x 7'-0"	--	--	--	--	--	--	--	S4	--	--	8	--
49	LIBRARY OFFICE 49	3'-0" x 7'-0"	--	--	--	--	--	--	--	S4	--	--	8	--
52A	CAFETERIA / MULTIPURPOSE ROOM 52	2 @ 3'-0" x 7'-0"	--	--	--	--	--	--	--	--	--	--	25	SEE DOOR & FRAME SCHEDULE NOTE # : 16
54A	BOYS'TLT. RM. 54A	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	12.0	--	13	SEE DOOR & FRAME SCHEDULE NOTE: #13
54B	GIRLS' TLT. RM. 54B	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	12.0	--	14	SEE DOOR & FRAME SCHEDULE NOTE: #13
55A	TLT. RM. 55A	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	14.0	--	15 MOD	--
55B	TLT. RM. 55B	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	14.0	--	15 MOD	--
58A	VOCAL MUSIC 58	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1	HB	HM	H7	J6	--	16.0	20 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 1
59A	INSTRUMENTAL STORAGE 59	2 @ 3'-0" x 7'-0"	A	WD	--	HB	HM	H9	J6	--	21.0	20 MIN.	8	--
59B	INSTRUMENTAL STORAGE 59	2 @ 3'-0" x 7'-0"	A	WD	--	HB	HM	H9	J6	--	21.0	20 MIN.	8	--
61	CLASSROOM 61	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
62	CLASSROOM 62	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
63	CLASSROOM 63	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
64A	FLEX CLASSROOM 64A/B	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
64B	FLEX CLASSROOM 64A/B	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
64C	TLT. RM. 64C	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	13	--	15 MOD	--
65	CLASSROOM 65	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
66A	FLEX CLASSROOM 66A/B	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
66B	FLEX CLASSROOM 66A/B	3'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H7	J6	S4	11.0	20 MIN.	--	--
66C	TLT. RM. 66C	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	13	--	15 MOD	--
67	J.C. 67	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	19	20 MIN.	8	--
68	MECH. / IDFROOM 68	3'-0" x 7'-0"	A	WD	--	HA	HM	H7	J6	S3	24	--	8	--
69	MECHANICAL ROOM 69	2 @ 3'-0" x 7'-0"	A	WD	--	HB	HM	H7	J6	S3	23.0	20 MIN.	8	--
71	WAITING AREA 71	3'-0" x 7'-0"	--	--	--	--	--	--	--	S3	--	--	8	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 4
72	OFFICE 1 72	3'-0" x 7'-0"	B	WD	TPG	HA	HM	H13	J12	S4	20.0	--	9	--
73	OFFICE 2 73	3'-0" x 7'-0"	B	WD	TPG	HA	HM	H13	J12	S4	20.0	--	9	--
74	OFFICE 3 74	3'-0" x 7'-0"	B	WD	TPG	HA	HM	H13	J12	S4	20.0	--	9	--
75	OFFICE 4 75	3'-0" x 7'-0"	B	WD	TPG	HA	HM	H13	J12	S4	20.0	--	9	--
76	WAITING AREA 76	3'-0" x 7'-0"	--	--	--	--	--	--	--	S3	--	--	8	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 4
C09	CORR. C09	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1	HD	HM	H14	J13/J14	S4	6.0	90 MIN.	--	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 3, 9
C10	CORR. C10	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1	HD	HM	H15	J15	--	6A	90 MIN.	3	--
C13A	CORR. C13	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1	HB	HM	H16	J6	S4	8.0	45 MIN.	3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 3, 9
C13B	CORR. C13	4'-0" x 7'-0"	B	WD	FRIG-1	HA	HM	H17	J6	S4	9.0	90 MIN.	--	--
CY02A	CORR. C09	2 @ 3'-0 1/8" x 7'-0"	C	FRP	INSUL-F	SF2	AL	H3	J2/J3	S1	1.0	--	4,19, 25	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 6,10 & 12
CY02B	CORR. C09	3'-0" x 7'-0"	C	FRP	INSUL-F	SF1	AL	H4	J2/J3	S1	7.0	--	4,19	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 6, 10
V06A	VEST. V06	2 @ 3'-0" x 7'-0"	C	FRP	INSUL-F	AD	AL	H2	J3	S1	4.0	--	1,2,3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 2, 6
V06B	VEST. V06	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1	HB	HM	H7	J6	S1SIM	5.0	--	2,3	SEE DOOR & FRAME SCHEDULE NOTE(S) # : 10


TACTILE SIGNAGE - SEE SIGNAGE TYPES AND SPECIFICATIONS
4'-0" MIN.
TO BASELINE OF LOWEST TACTILE CHARACTER ON SIGN
5'-0" MAX.
TO BASELINE OF HIGHEST TACTILE CHARACTER ON SIGN
ELEV 'A'
EXTERIOR DOOR
ELEV 'B'
INTERIOR DOOR

SIGNAGE LOCATIONS:
SINGLE LEAF DOORS - LATCH SIDE
DOUBLE LEAF DOORS - TO THE RIGHT SIDE OF RIGHT LEAF
WHERE NO SPACE IS AVAILABLE - NEAREST ADJACENT WALL

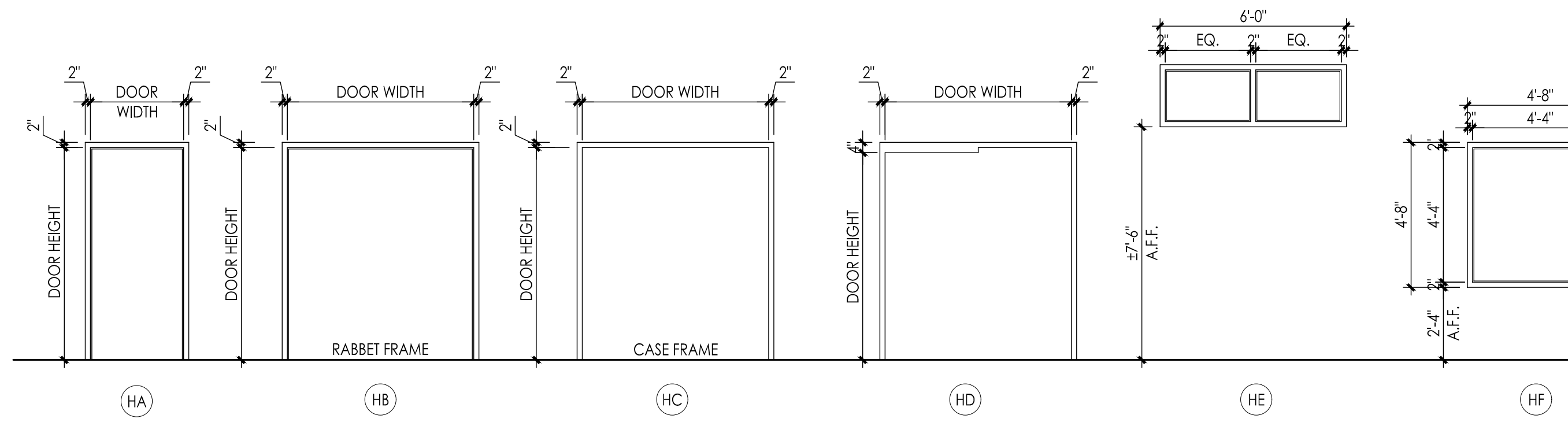
TYPICAL SIGNAGE LOCATIONS

1/2" = 1'-0"



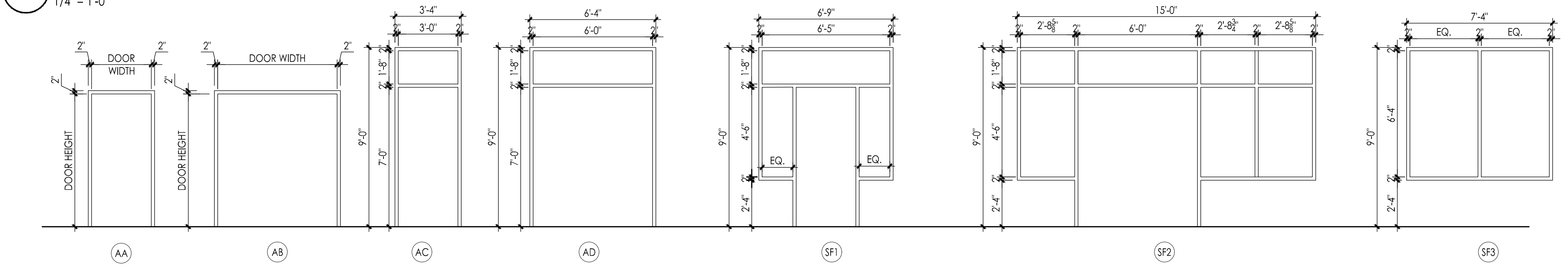
1 DOOR TYPES

1/4" = 1'-0"



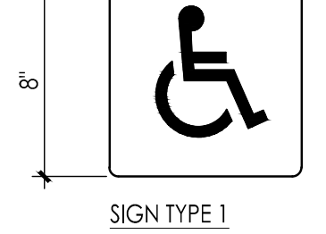
2 HOLLOW METAL FRAME TYPES

1/4" = 1'-0"

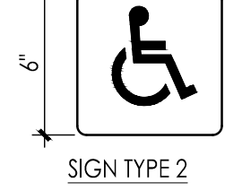


3 ALUMINUM FRAME TYPES

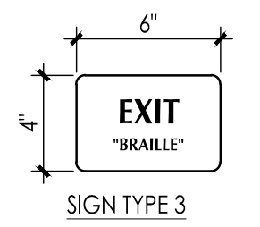
1/4" = 1'-0"



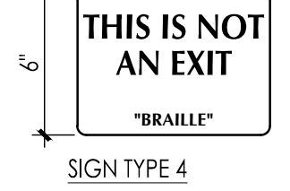
SIGN TYPE 1
CORNERS: 3/8" RADIUS
EXTERIOR SIGN
BLUE ON WHITE
BAKED ENAMEL ALUMINUM



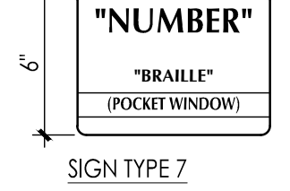
SIGN TYPE 2
CORNERS: 3/8" RADIUS



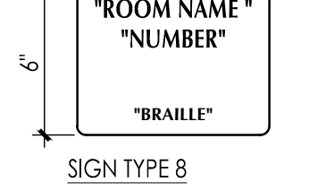
SIGN TYPE 3
TEXT FONT: HELVETICA 1"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



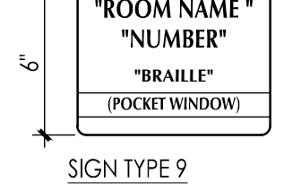
SIGN TYPE 4
TEXT FONT: HELVETICA 1"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



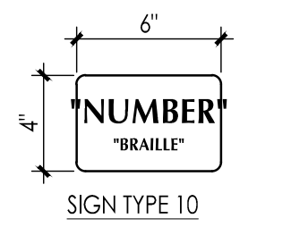
SIGN TYPE 7
TEXT FONT: HELVETICA 1"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



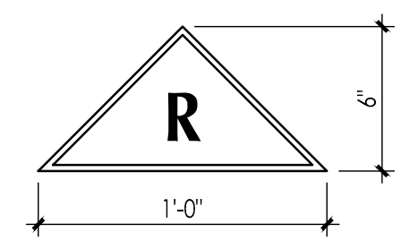
SIGN TYPE 8
TEXT FONT: HELVETICA 3/4"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



SIGN TYPE 9
TEXT FONT: HELVETICA 3/4"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



SIGN TYPE 10
TEXT FONT: HELVETICA 1"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS

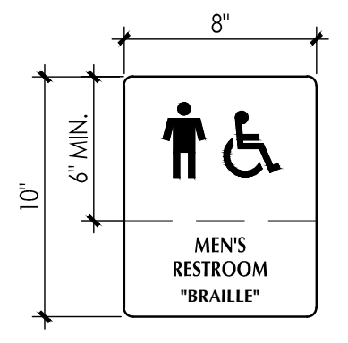


SIGN TYPE 21
FONT: HELVETICA 2"

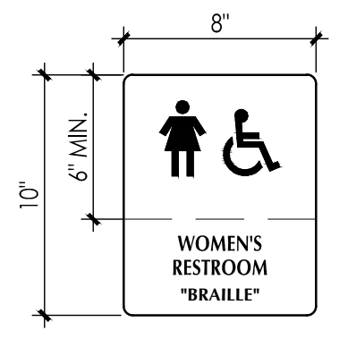
TRUSS CONSTRUCTION EMBLEM BAKED ENAMEL ALUMINUM - PROVIDE AT BUILDINGS WHERE ROOFS ARE OF TRUSS CONSTRUCTION.

TRUSS CONSTRUCTION EMBLEM SHALL BE OF A BRIGHT AND REFLECTIVE COLOR OR SHALL BE MADE OF REFLECTIVE MATERIAL. LETTERING AND PERIMETER STRIPE SHALL BE OF A CONTRASTING COLOR TO MAKE THEM CONSPICUOUS. SEE SPECIFICATION SECTION 10440.

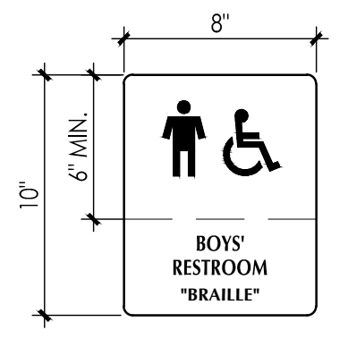
THE EMBLEM SHALL BE PERMANENTLY AFFIXED TO THE LEFT OF MAIN ENTRANCE DOOR (SEE DOOR SCHEDULE) AT A HEIGHT BETWEEN FOUR AND SIX FEET ABOVE THE GROUND.



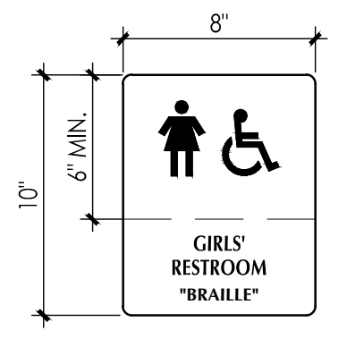
SIGN TYPE 11
TEXT FONT: HELVETICA 5/8"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



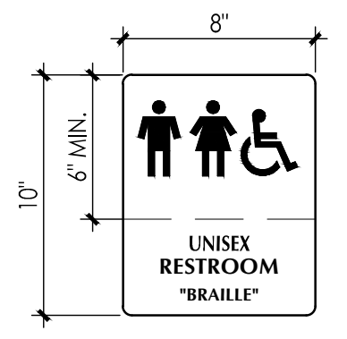
SIGN TYPE 12
FONT: HELVETICA 5/8"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



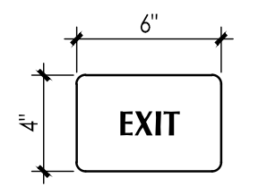
SIGN TYPE 13
FONT: HELVETICA 5/8"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



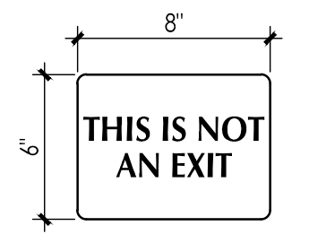
SIGN TYPE 14
FONT: HELVETICA 5/8"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS



SIGN TYPE 15
FONT: HELVETICA 5/8"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS

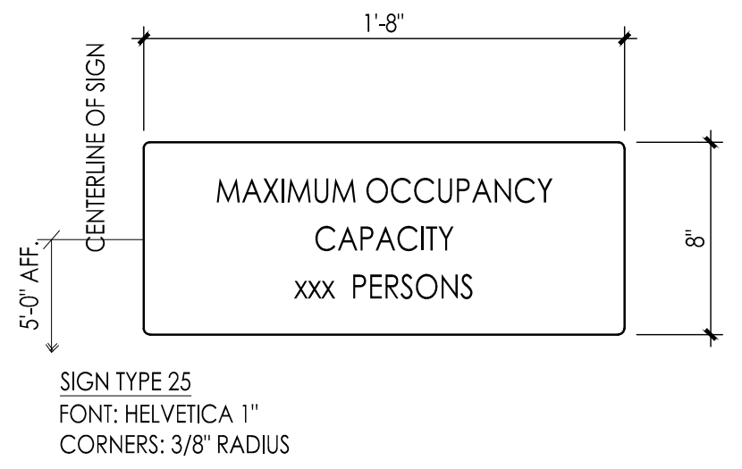


SIGN TYPE 19
TEXT FONT: HELVETICA 1"
CORNERS: 3/8" RADIUS
EXTERIOR SIGN
BLUE ON WHITE
BAKED ENAMEL ALUMINUM



SIGN TYPE 20
TEXT FONT: HELVETICA 1"
CORNERS: 3/8" RADIUS
EXTERIOR SIGN
BLUE ON WHITE
BAKED ENAMEL ALUMINUM

NOTES:
1. ALL LETTERS, NUMBERS, SYMBOLS, AND PICTOGRAPHS SHALL BE RAISED MINIMUM 1/32" FROM SIGN FACE AND SHALL MEET ALL REQUIREMENTS FOR COLOR CONTRAST RATIO.
2. AT SIGN TYPES 7-18 AND 29-30, CONTRACTOR IS ADVISED HEREBY THAT FINAL SIGN VERBIAGE AND LAYOUT, INCLUDING THE ADDITION OR DELETION OF PICTOGRAMS, WILL BE FINALIZED BY THE ARCHITECT AND OWNER DURING THE SHOP DRAWING PROCESS.



SIGN TYPE 25
FONT: HELVETICA 1"
CORNERS: 3/8" RADIUS

NOTES:
1. INSTALL ADJACENT TO DOOR
2. CAPACITY NUMBERS SHALL BE AS SHOWN ON EGRESS PLAN
3. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

AED CABINET SIGNAGE

CONTRACTOR TO PROVIDE RECESSED AED WALL SIGN, 14XS-AED, INSTALLED AT A RIGHT ANGLE TO WALL. FOR AED CABINETS AT GYMNASIUM LOCATIONS PROVIDE FLAT WALL MOUNTED SIGN 14S. REFER TO SPECIFIC LOCATIONS. **AED PROVIDED BY OWNER.**

14S
FLAT WALL SIGN
8" x 11"

14XS-AED
RIGHT ANGLE WALL SIGN
8" x 10"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

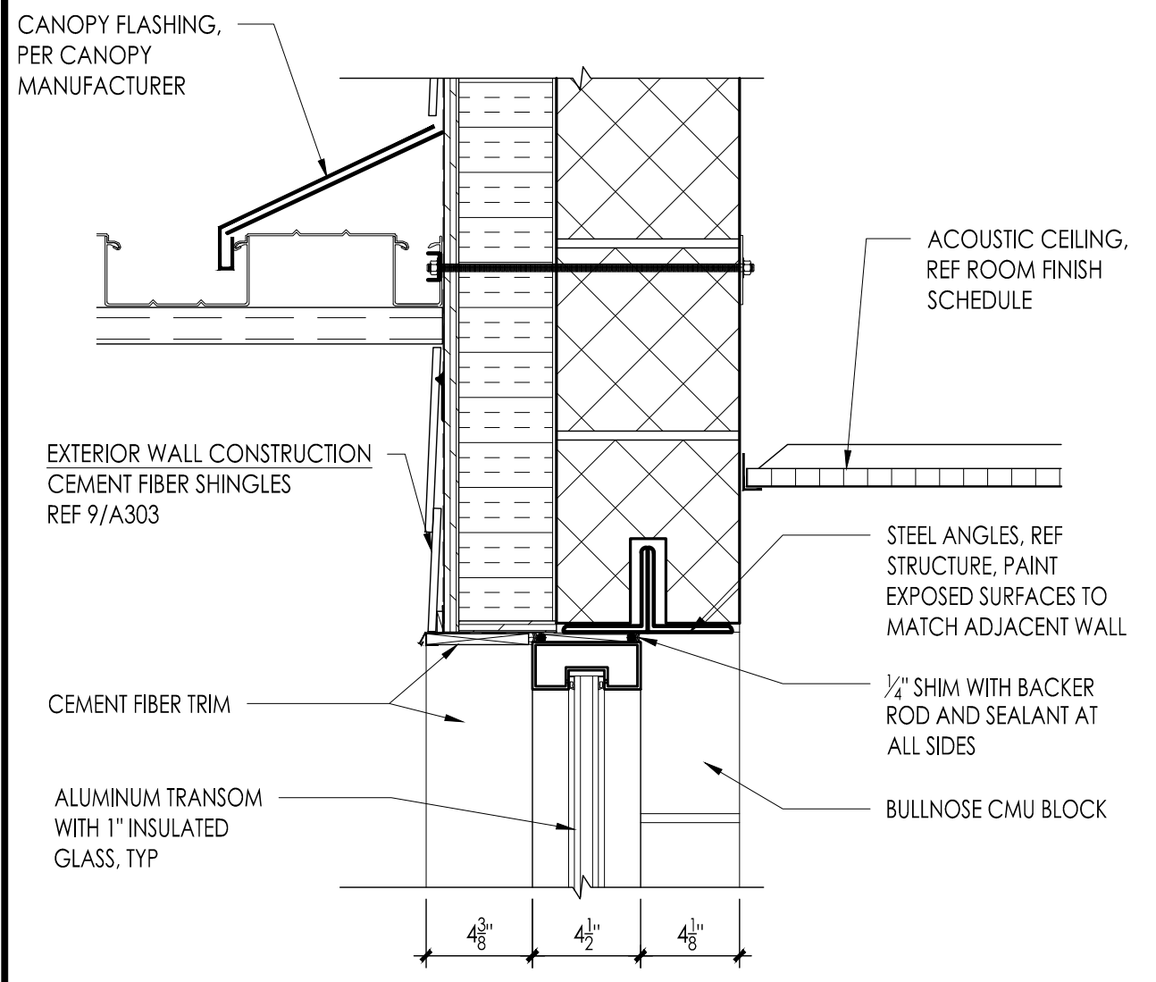
Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name	Addition and Renovations to Littlebrook Elementary School
Project Owner Name	Princeton Public Schools
Project Location	39 Magnolia Ln, Princeton, NJ 085402
Project Number	5516D
Project Date	10.10.2025
Checked By	WDH
Drawn By	MJS
Scale	AS NOTED
Drawing Name	DOOR SCHEDULE, TYPES, NOTES & DETAILS

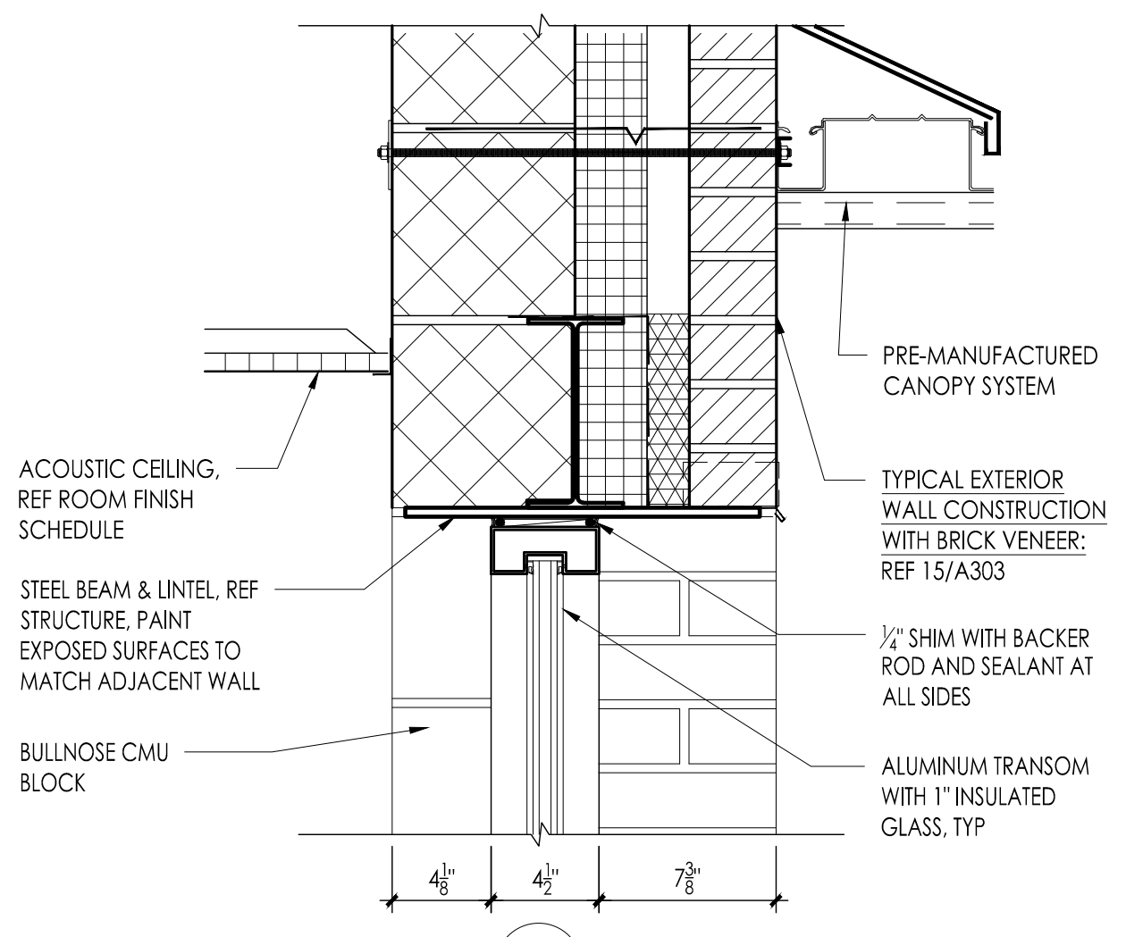
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

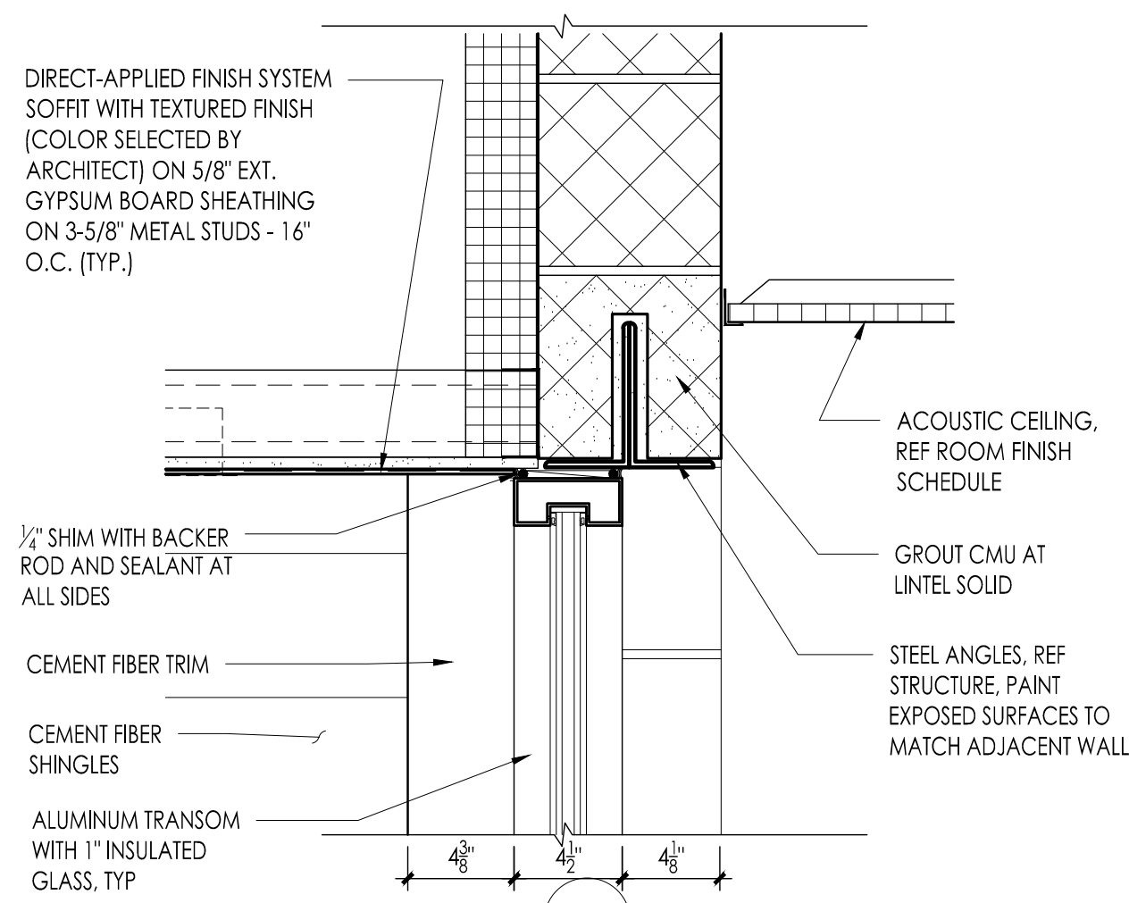
Drawing Number
A601


CANOPY FLASHING, PER CANOPY MANUFACTURER
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES REF 9/A303
STEEL ANGLES, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
CEMENT FIBER TRIM
½" SHIM WITH BACKER ROD AND SEALANT AT ALL SIDES
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP
BULLNOSE CMU BLOCK

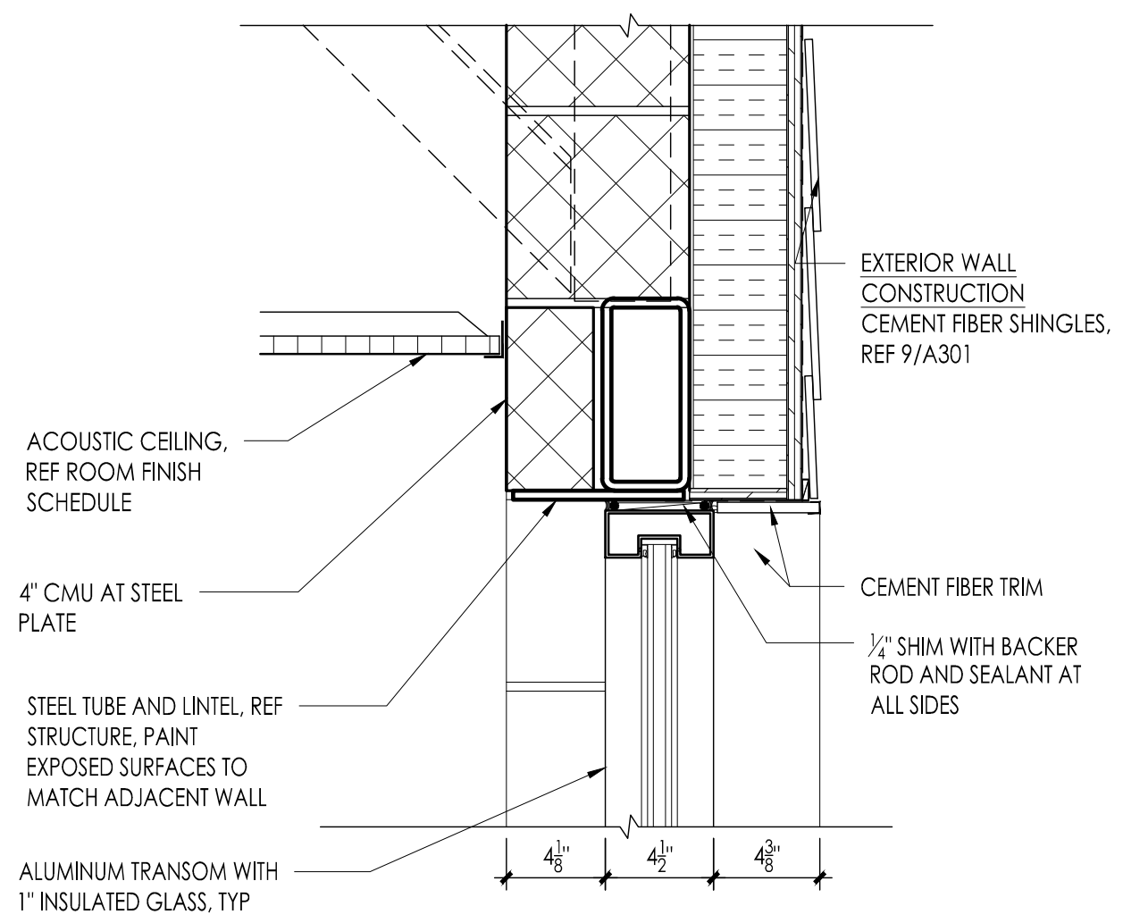
H1


PRE-MANUFACTURED CANOPY SYSTEM
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
TYPICAL EXTERIOR WALL CONSTRUCTION WITH BRICK VENEER: REF 15/A303
STEEL BEAM & LINTEL, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
½" SHIM WITH BACKER ROD AND SEALANT AT ALL SIDES
BULLNOSE CMU BLOCK
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP

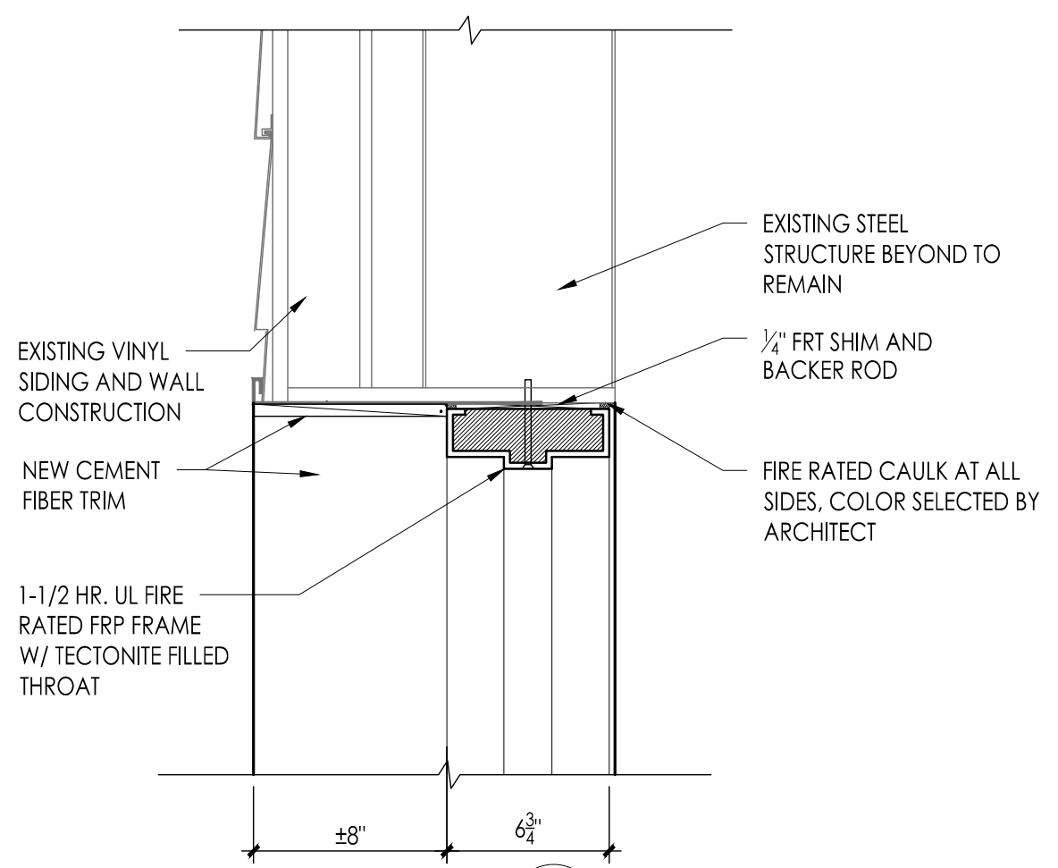
H2


DIRECT-APPLIED FINISH SYSTEM SOFFIT WITH TEXTURED FINISH (COLOR SELECTED BY ARCHITECT) ON 5/8" EXT. GYPSUM BOARD SHEATHING ON 3-5/8" METAL STUDS - 16" O.C. (TYP.)
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
½" SHIM WITH BACKER ROD AND SEALANT AT ALL SIDES
GROUT CMU AT LINTEL SOLID
CEMENT FIBER TRIM
CEMENT FIBER SHINGLES
STEEL ANGLES, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP

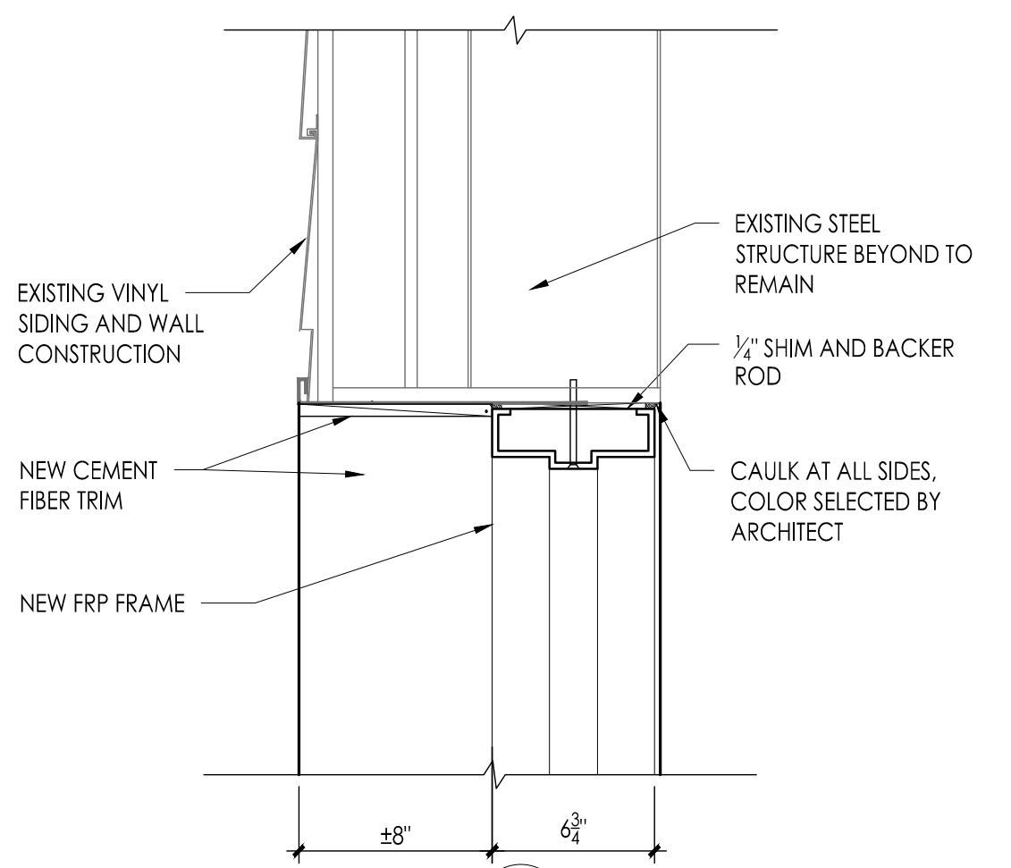
H3


EXTERIOR WALL CONSTRUCTION CEMENT FIBER SHINGLES, REF 9/A301
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
4" CMU AT STEEL PLATE
CEMENT FIBER TRIM
STEEL TUBE AND LINTEL, REF STRUCTURE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL
½" SHIM WITH BACKER ROD AND SEALANT AT ALL SIDES
ALUMINUM TRANSOM WITH 1" INSULATED GLASS, TYP

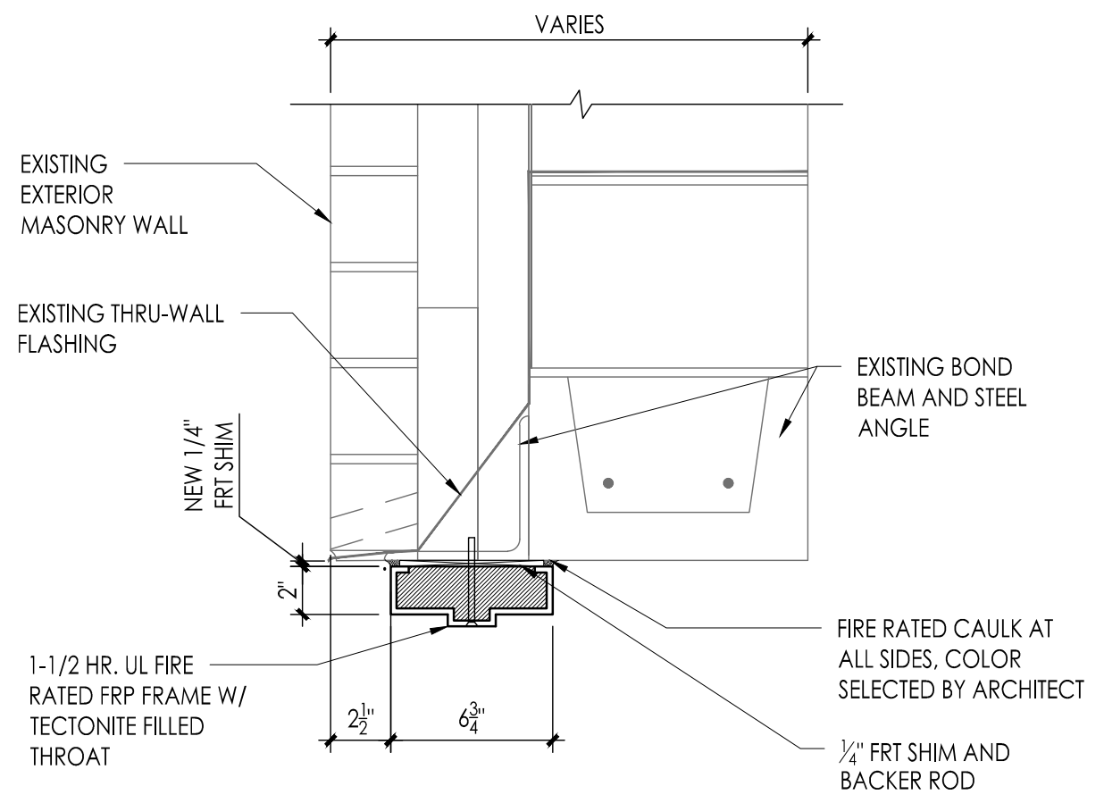
H4


EXISTING STEEL STRUCTURE BEYOND TO REMAIN
EXISTING VINYL SIDING AND WALL CONSTRUCTION
½" FRT SHIM AND BACKER ROD
NEW CEMENT FIBER TRIM
FIRE RATED CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
1-1/2 HR. UL FIRE RATED FRP FRAME W/ TECTONITE FILLED THROAT

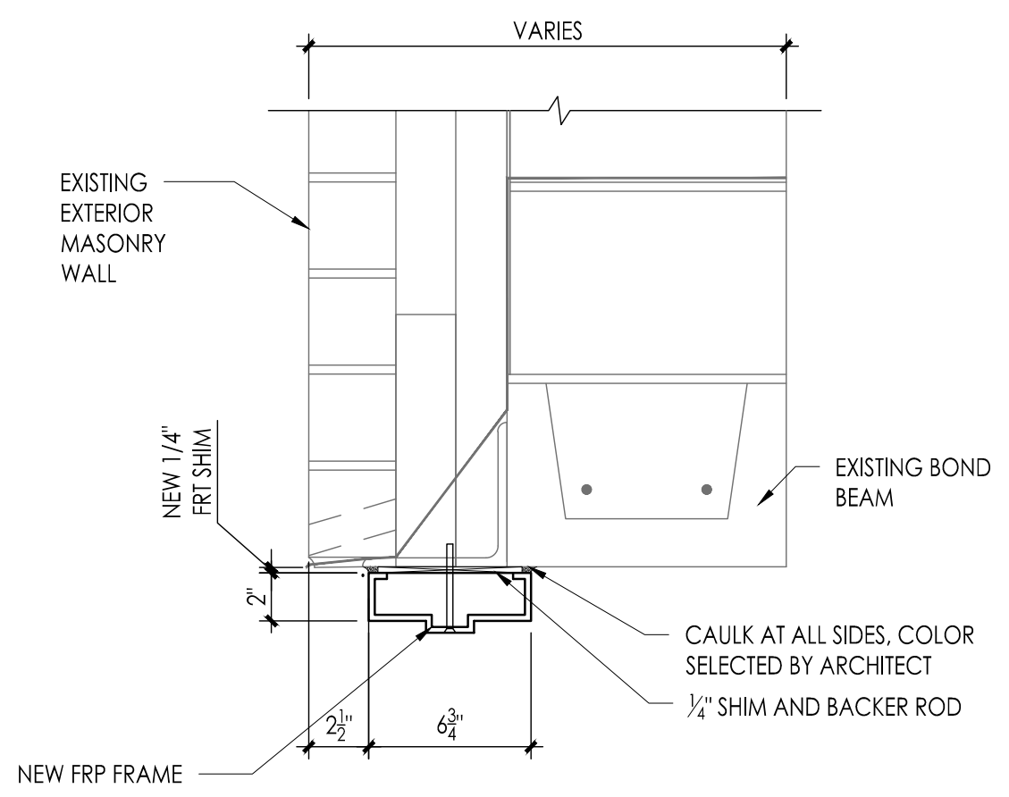
H5A


EXISTING STEEL STRUCTURE BEYOND TO REMAIN
EXISTING VINYL SIDING AND WALL CONSTRUCTION
½" SHIM AND BACKER ROD
NEW CEMENT FIBER TRIM
CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
NEW FRP FRAME

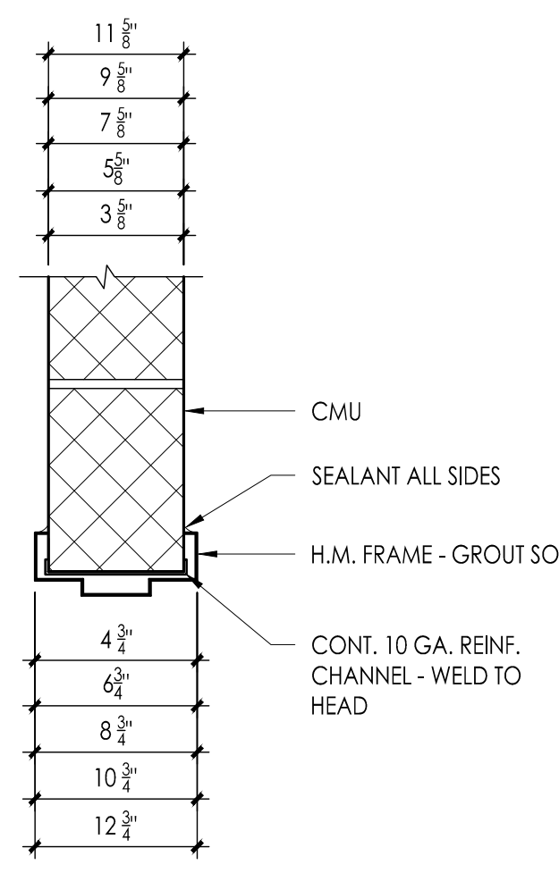
H5B


VARIES
EXISTING EXTERIOR MASONRY WALL
EXISTING THRU-WALL FLASHING
EXISTING BOND BEAM AND STEEL ANGLE
NEW 1/4" FRT SHIM
1-1/2 HR. UL FIRE RATED FRP FRAME W/ TECTONITE FILLED THROAT
FIRE RATED CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
½" FRT SHIM AND BACKER ROD

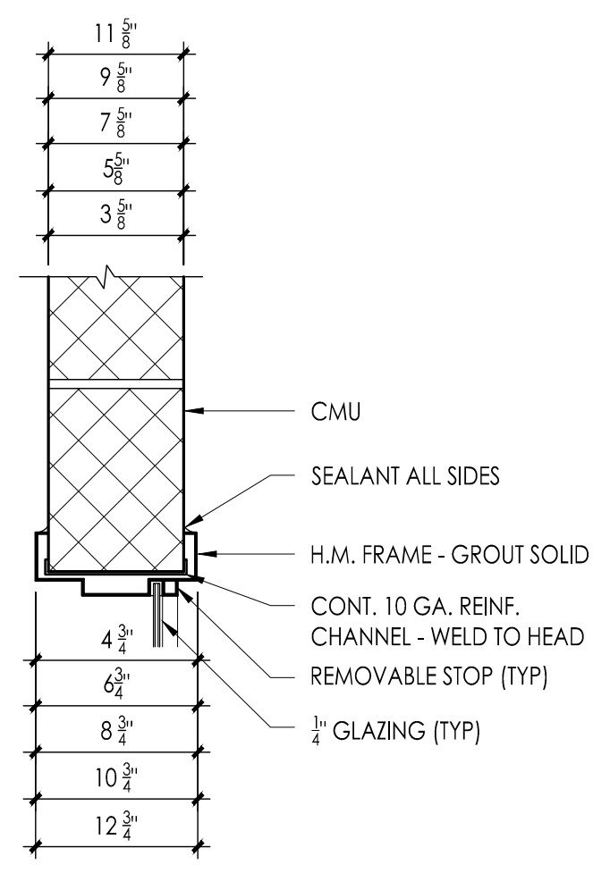
H6A


VARIES
EXISTING EXTERIOR MASONRY WALL
EXISTING BOND BEAM
NEW 1/4" FRT SHIM
CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
½" SHIM AND BACKER ROD
NEW FRP FRAME

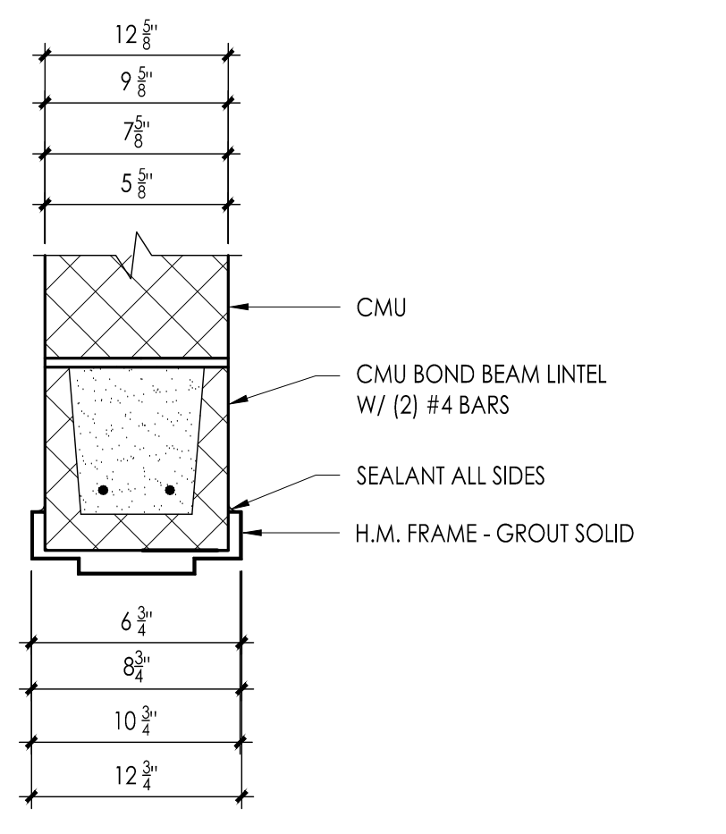
H6B



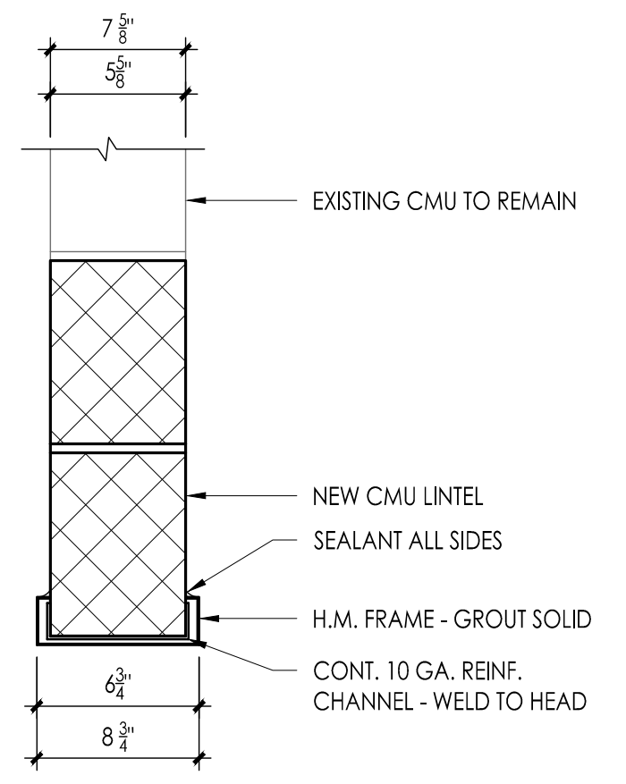
H7



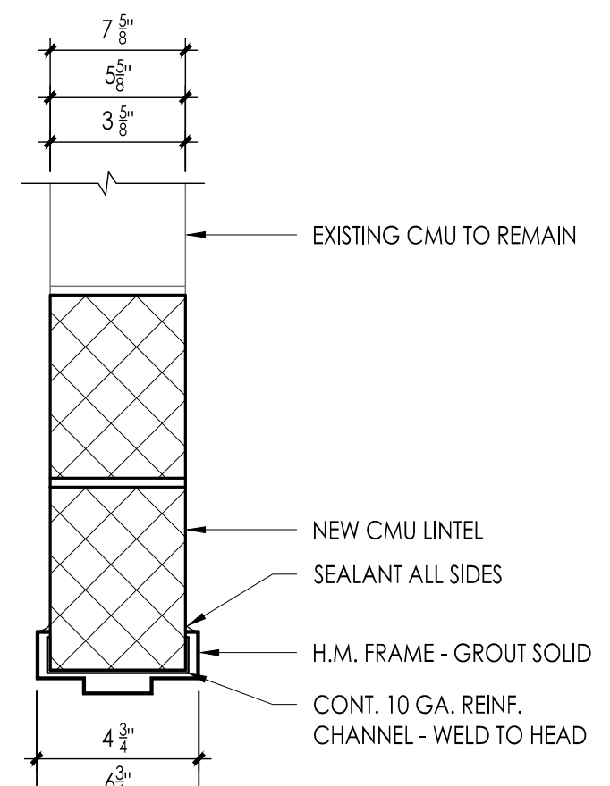
H8



H9



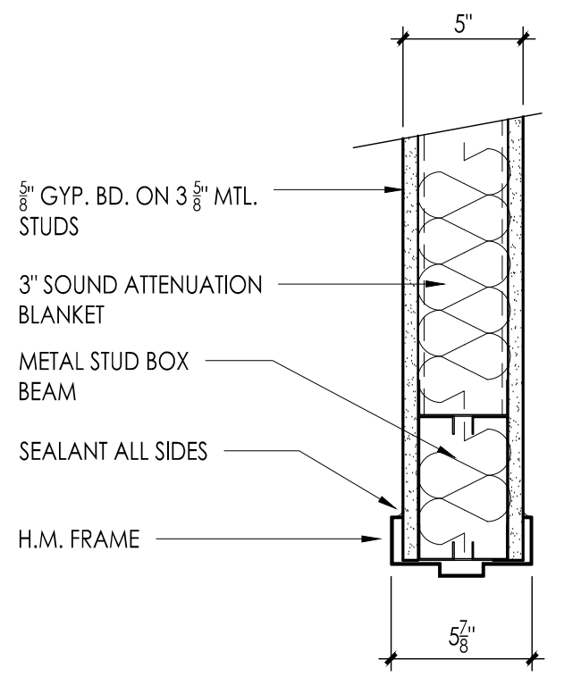
H10



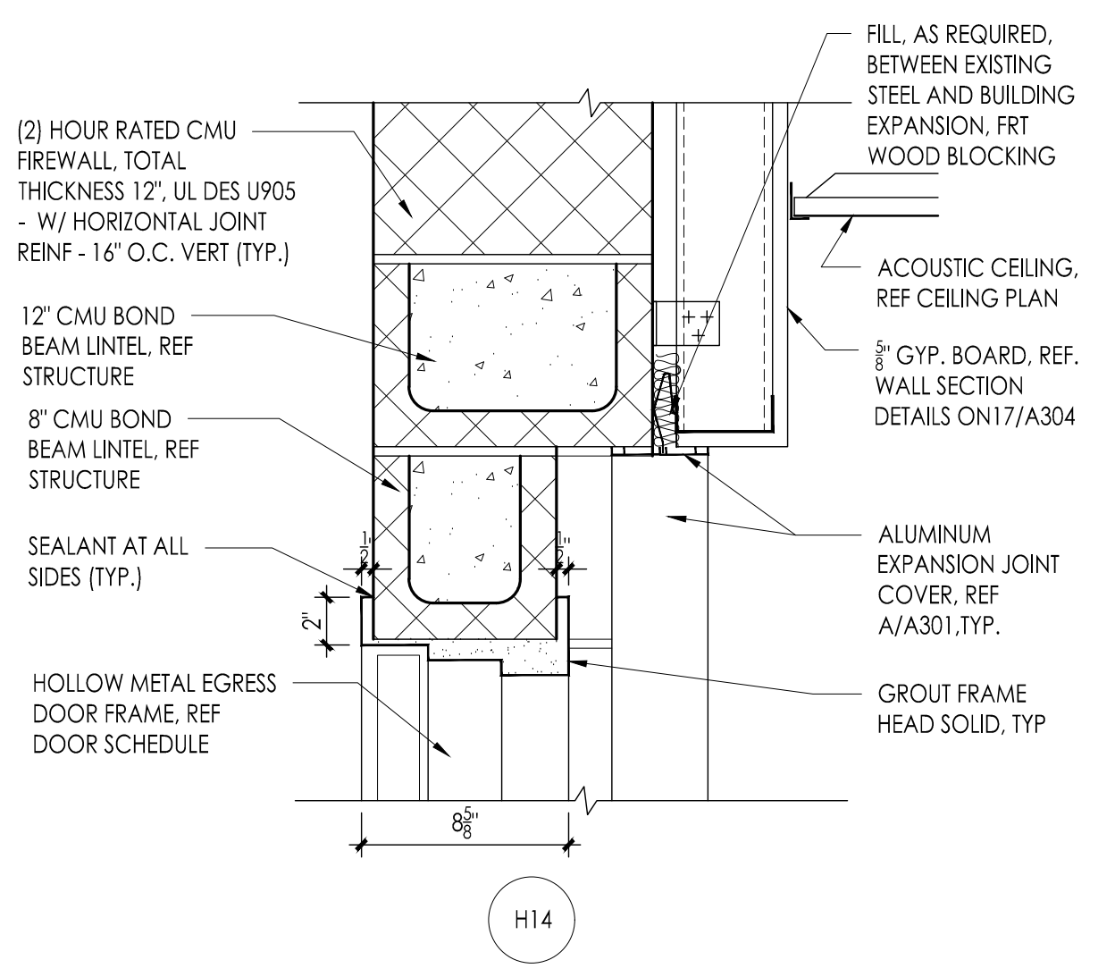
H11

NOT USED

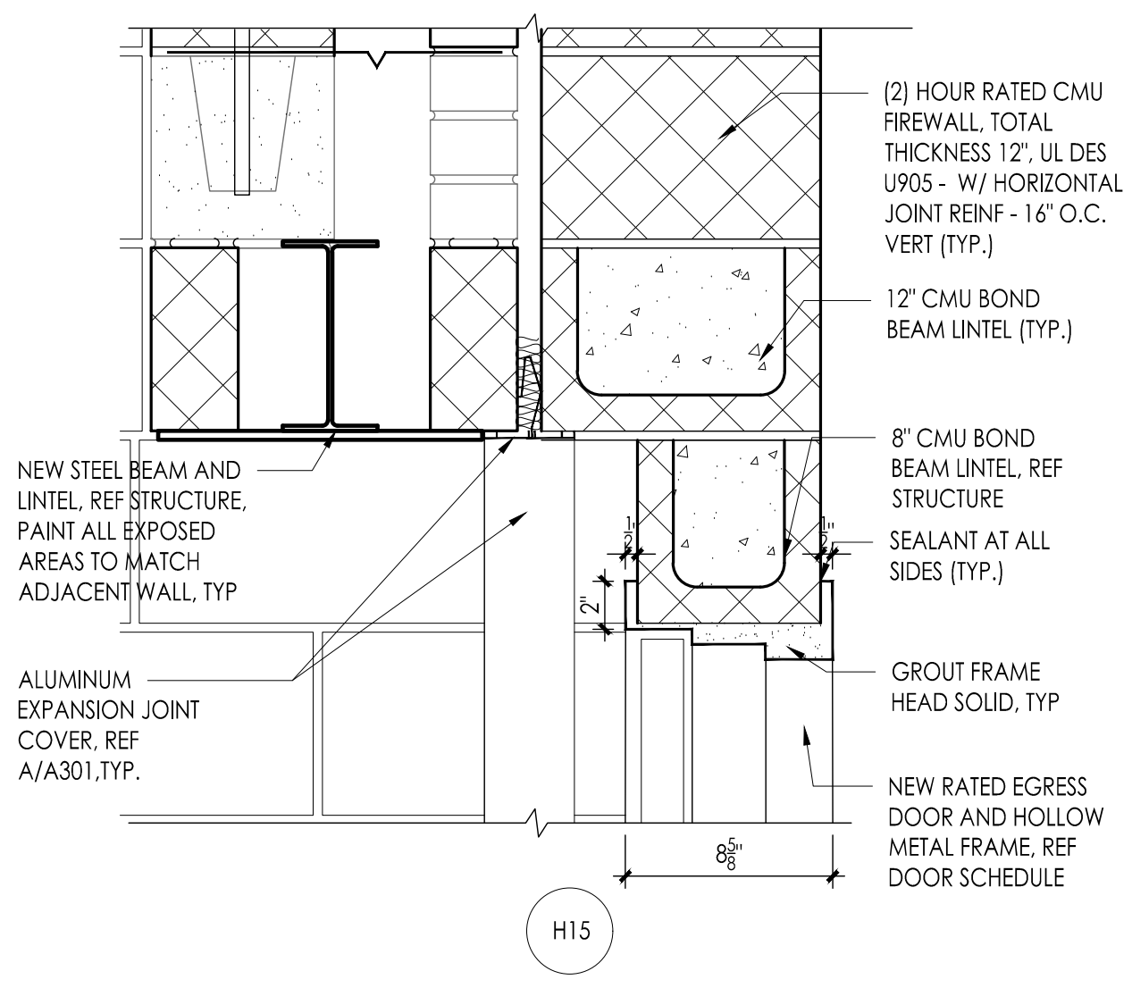
H12



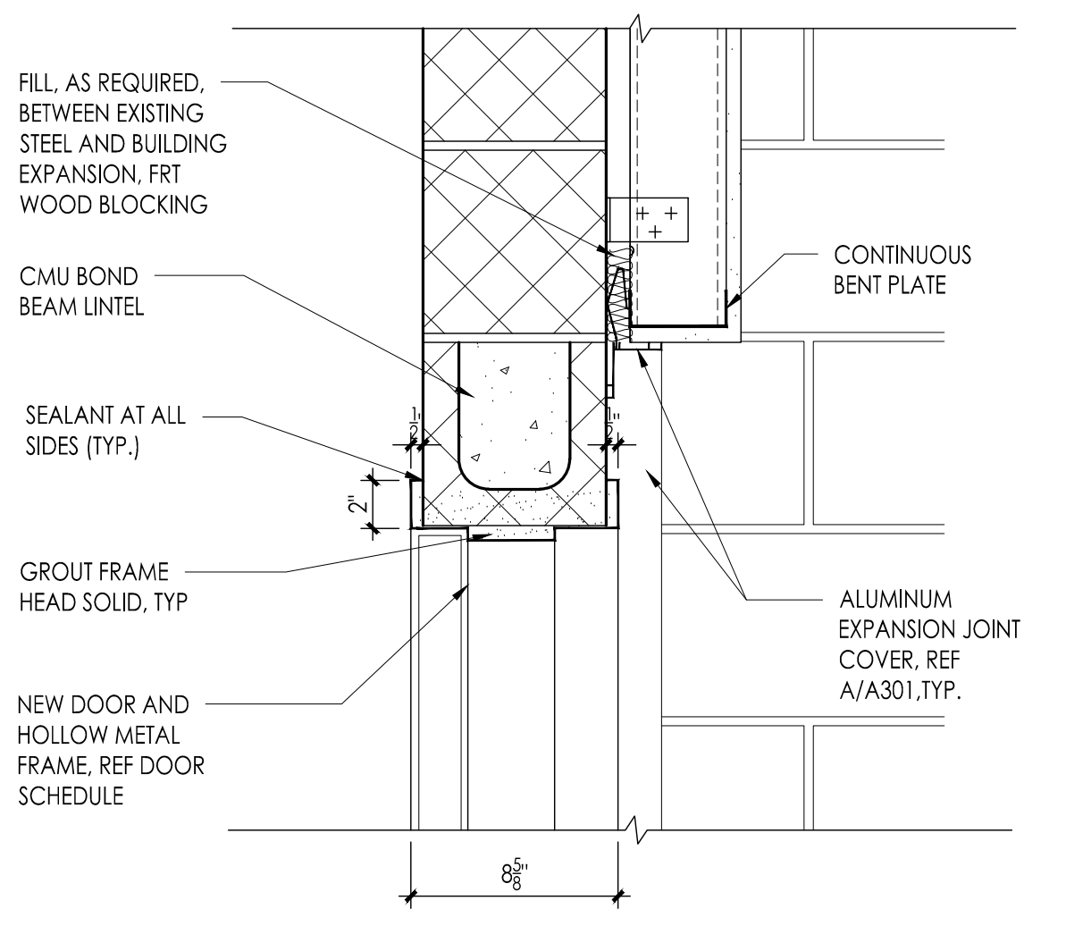
H13


(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
FILL, AS REQUIRED, BETWEEN EXISTING STEEL AND BUILDING EXPANSION, FRT WOOD BLOCKING
12" CMU BOND BEAM LINTEL, REF STRUCTURE
ACOUSTIC CEILING, REF CEILING PLAN
8" CMU BOND BEAM LINTEL, REF STRUCTURE
⅝" GYP. BOARD, REF. WALL SECTION DETAILS ON17/A304
SEALANT AT ALL SIDES (TYP.)
ALUMINUM EXPANSION JOINT COVER, REF A/A301.TYP.
HOLLOW METAL EGRESS DOOR FRAME, REF DOOR SCHEDULE
GROUT FRAME HEAD SOLID, TYP

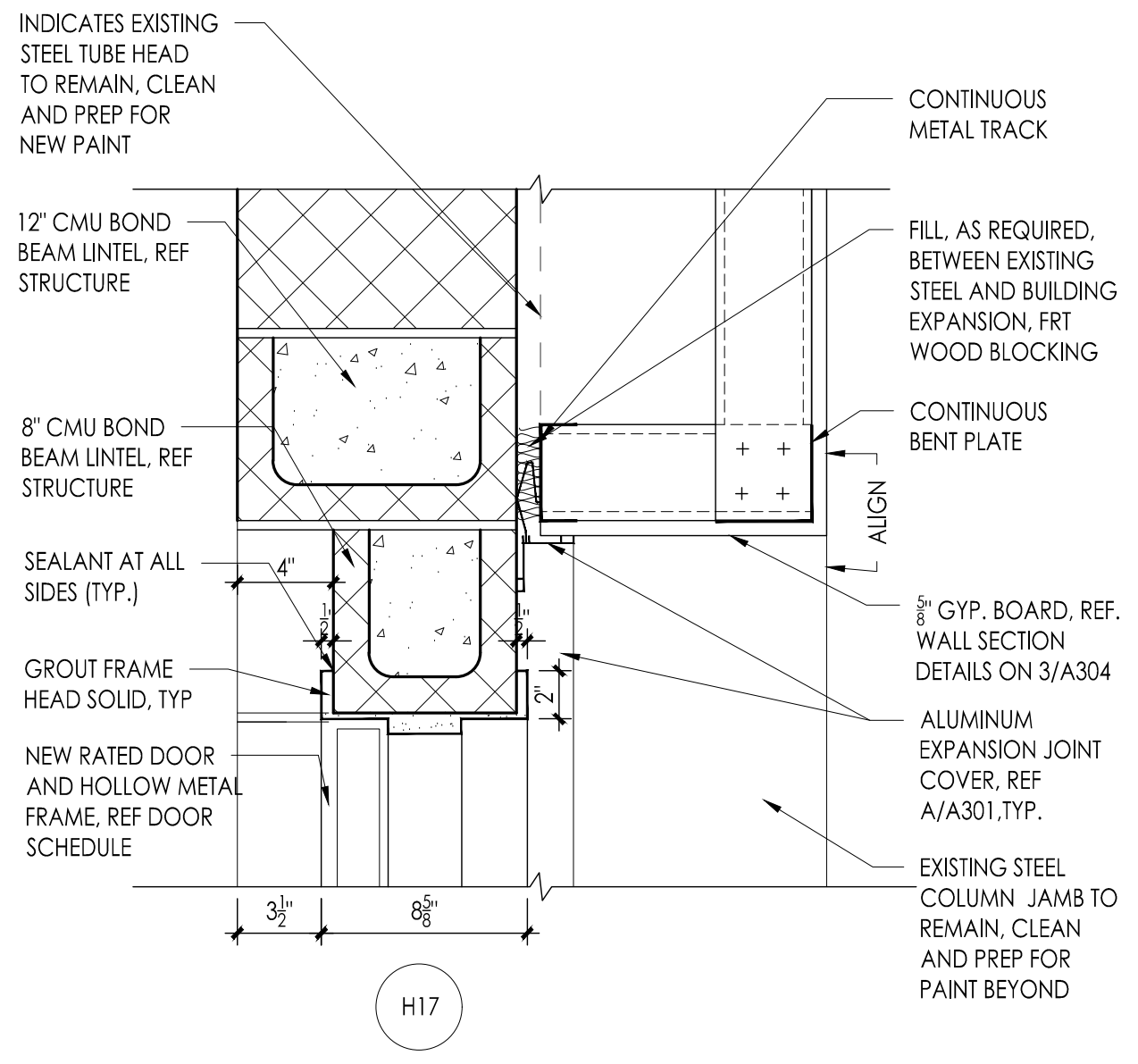
H14


(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)
12" CMU BOND BEAM LINTEL (TYP.)
NEW STEEL BEAM AND LINTEL, REF STRUCTURE, PAINT ALL EXPOSED AREAS TO MATCH ADJACENT WALL, TYP
8" CMU BOND BEAM LINTEL, REF STRUCTURE
SEALANT AT ALL SIDES (TYP.)
ALUMINUM EXPANSION JOINT COVER, REF A/A301.TYP.
GROUT FRAME HEAD SOLID, TYP
NEW RATED EGRESS DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE

H15


FILL, AS REQUIRED, BETWEEN EXISTING STEEL AND BUILDING EXPANSION, FRT WOOD BLOCKING
CONTINUOUS BENT PLATE
CMU BOND BEAM LINTEL
SEALANT AT ALL SIDES (TYP.)
GROUT FRAME HEAD SOLID, TYP
ALUMINUM EXPANSION JOINT COVER, REF A/A301.TYP.
NEW DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE

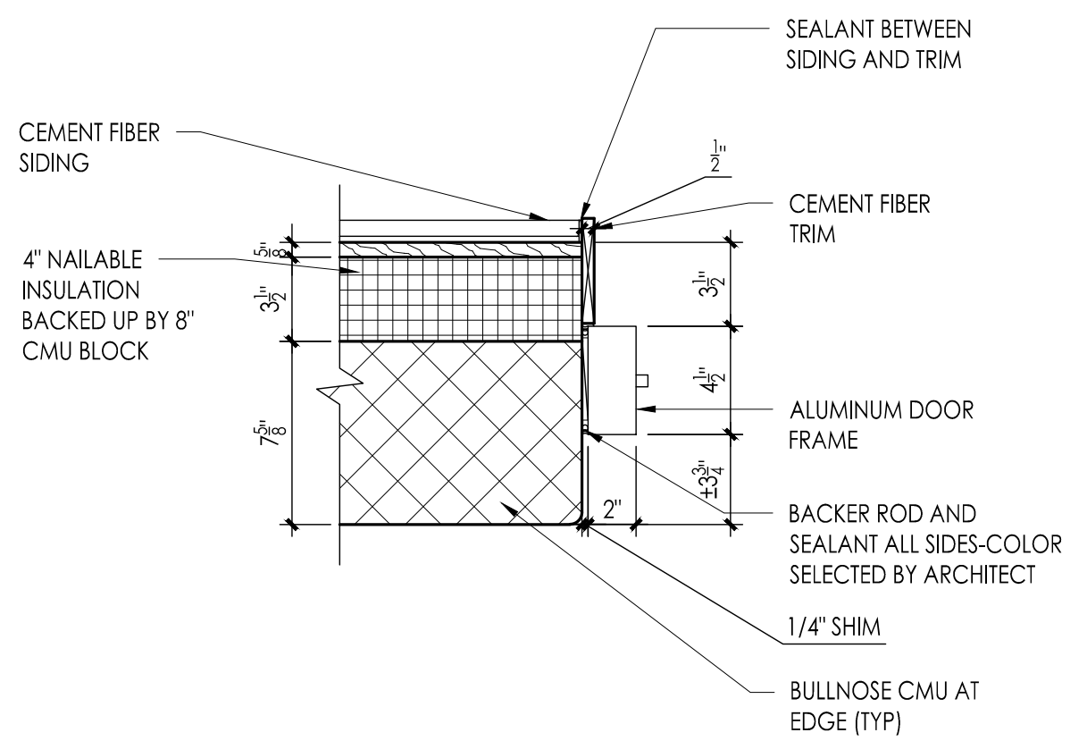
H16


INDICATES EXISTING STEEL TUBE HEAD TO REMAIN, CLEAN AND PREP FOR NEW PAINT
CONTINUOUS METAL TRACK
12" CMU BOND BEAM LINTEL, REF STRUCTURE
FILL, AS REQUIRED, BETWEEN EXISTING STEEL AND BUILDING EXPANSION, FRT WOOD BLOCKING
CONTINUOUS BENT PLATE
8" CMU BOND BEAM LINTEL, REF STRUCTURE
ALIGN
SEALANT AT ALL SIDES (TYP.)
⅝" GYP. BOARD, REF. WALL SECTION DETAILS ON 3/A304
GROUT FRAME HEAD SOLID, TYP
ALUMINUM EXPANSION JOINT COVER, REF A/A301.TYP.
NEW RATED EGRESS DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
EXISTING STEEL COLUMN JAMB TO REMAIN, CLEAN AND PREP FOR PAINT BEYOND

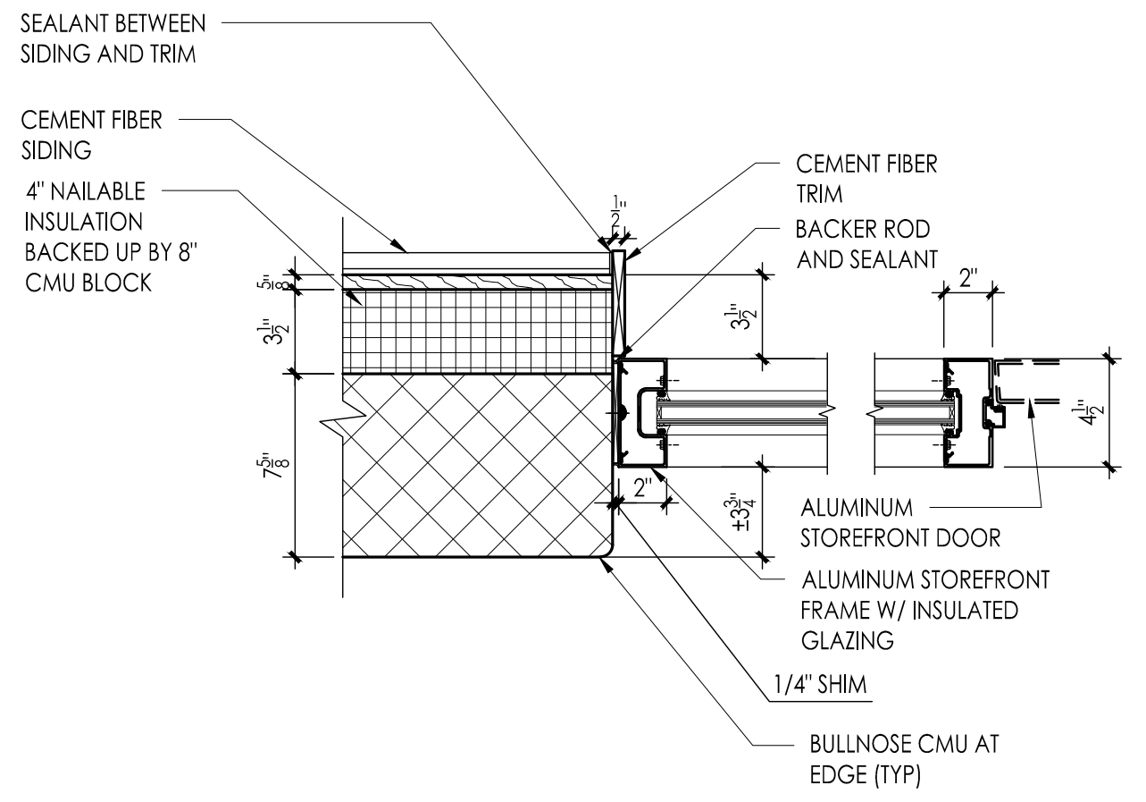
H17

HEAD DETAILS

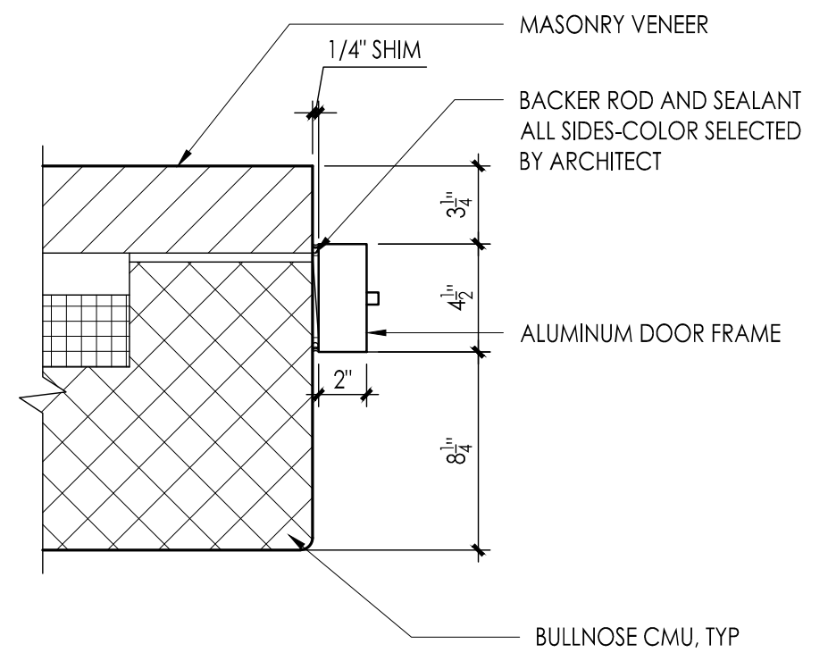
1-1/2" = 1'-0"


SEALANT BETWEEN SIDING AND TRIM
CEMENT FIBER SIDING
CEMENT FIBER TRIM
4" NAILABLE INSULATION BACKED UP BY 8" CMU BLOCK
ALUMINUM DOOR FRAME
BACKER ROD AND SEALANT ALL SIDES-COLOR SELECTED BY ARCHITECT
1/4" SHIM
BULLNOSE CMU AT EDGE (TYP)

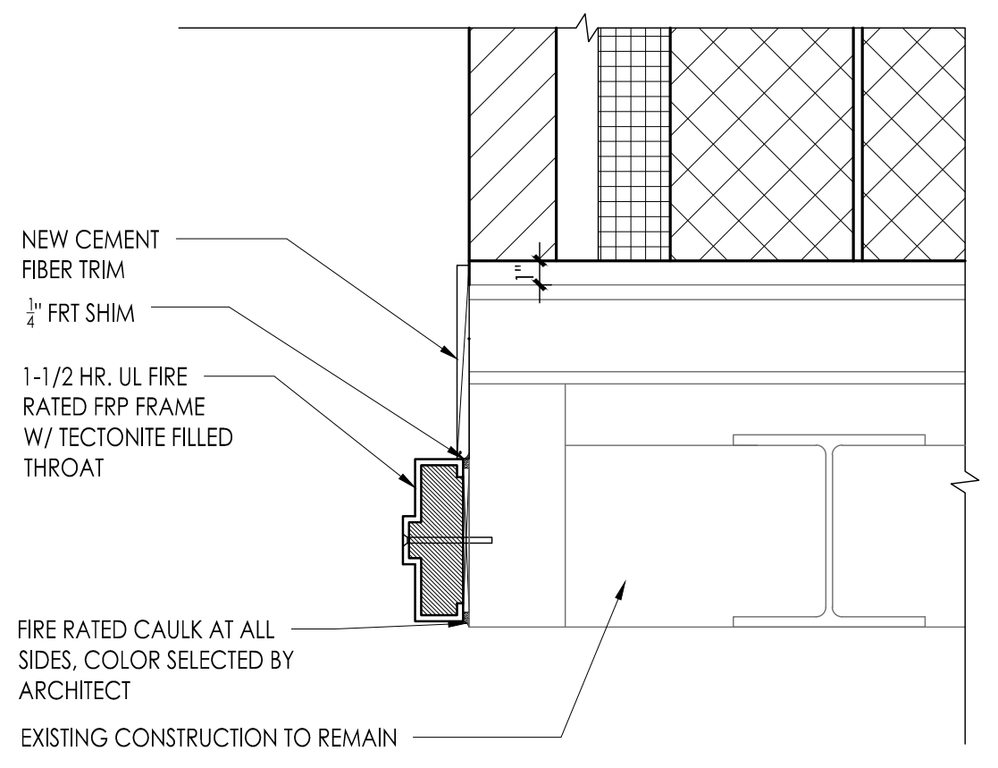
J1


SEALANT BETWEEN SIDING AND TRIM
CEMENT FIBER SIDING
CEMENT FIBER TRIM
4" NAILABLE INSULATION BACKED UP BY 8" CMU BLOCK
BACKER ROD AND SEALANT
ALUMINUM STOREFRONT DOOR
ALUMINUM STOREFRONT FRAME W/ INSULATED GLAZING
1/4" SHIM
BULLNOSE CMU AT EDGE (TYP)

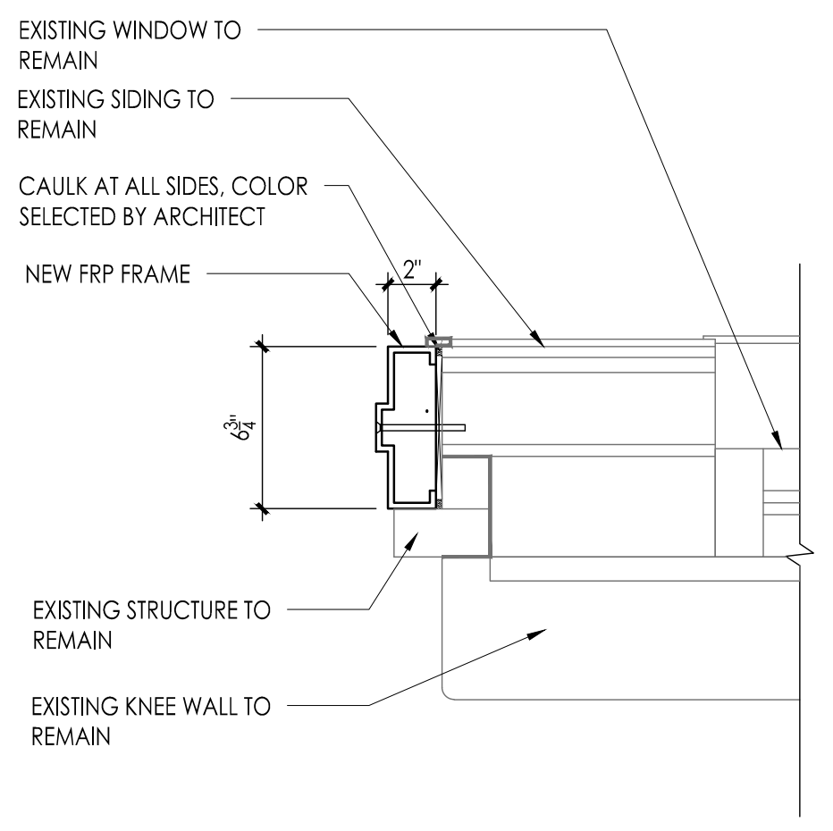
J2


1/4" SHIM
MASONRY VENEER
BACKER ROD AND SEALANT ALL SIDES-COLOR SELECTED BY ARCHITECT
ALUMINUM DOOR FRAME
BULLNOSE CMU, TYP

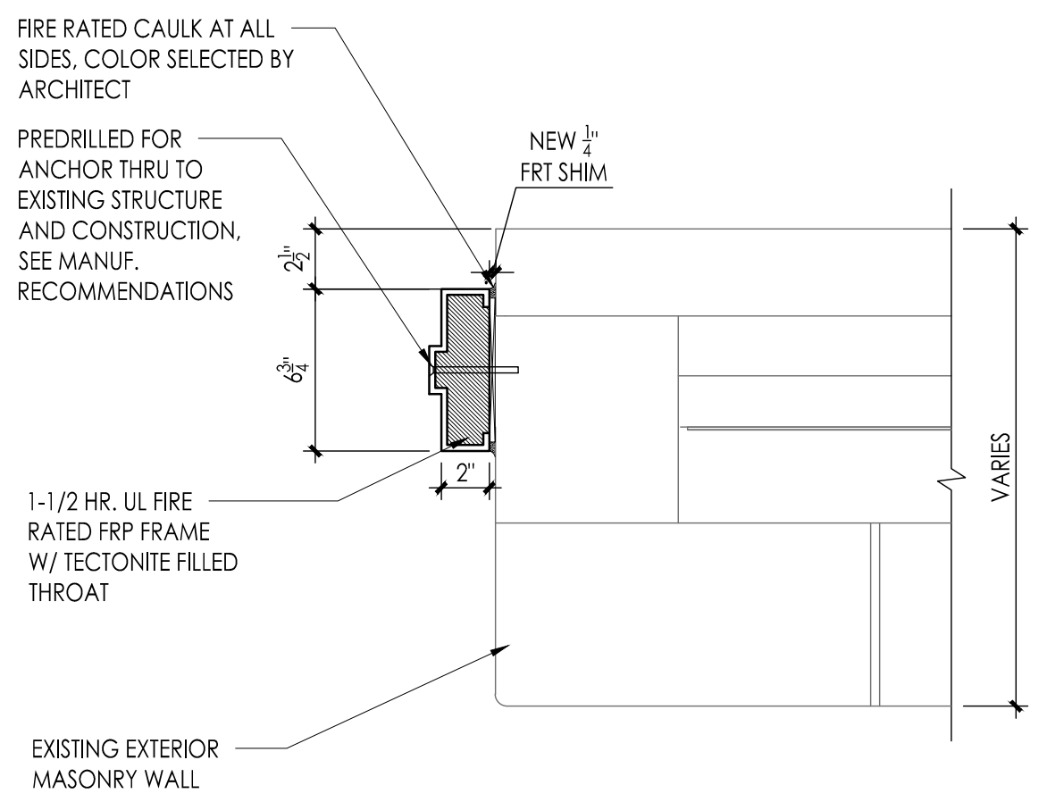
J3


NEW CEMENT FIBER TRIM
½" FRT SHIM
1-1/2 HR. UL FIRE RATED FRP FRAME W/ TECTONITE FILLED THROAT
FIRE RATED CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
EXISTING CONSTRUCTION TO REMAIN

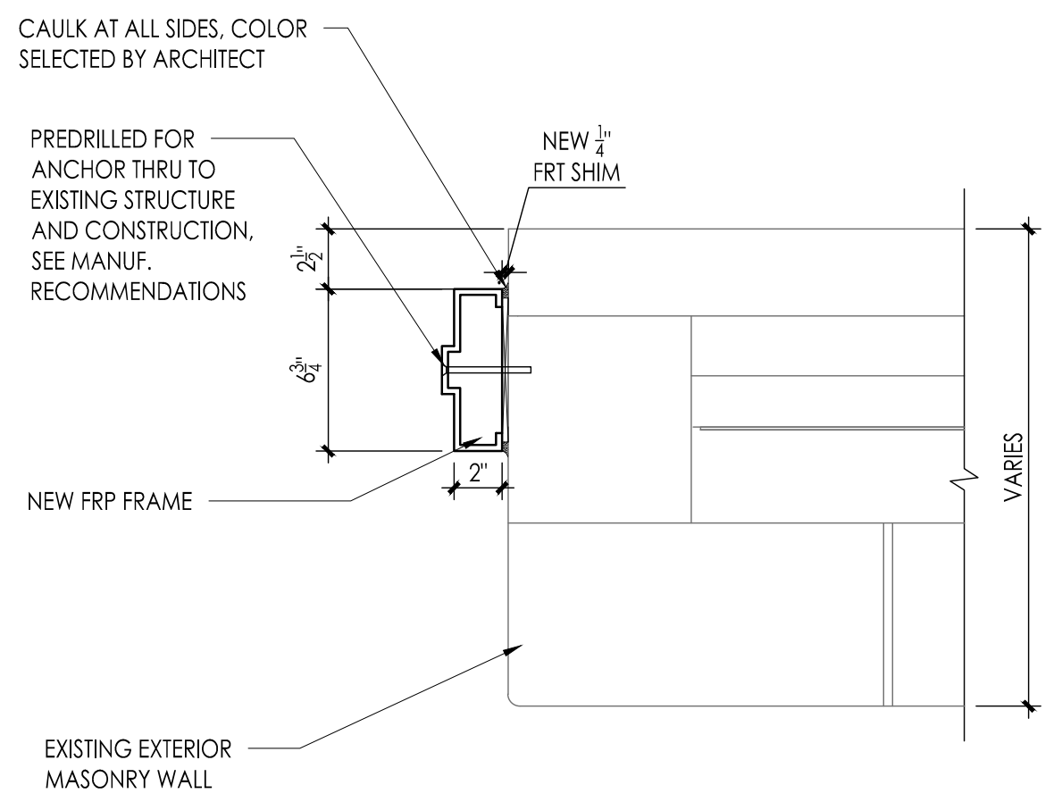
J4A


EXISTING WINDOW TO REMAIN
EXISTING SIDING TO REMAIN
CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
NEW FRP FRAME
EXISTING STRUCTURE TO REMAIN
EXISTING KNEE WALL TO REMAIN

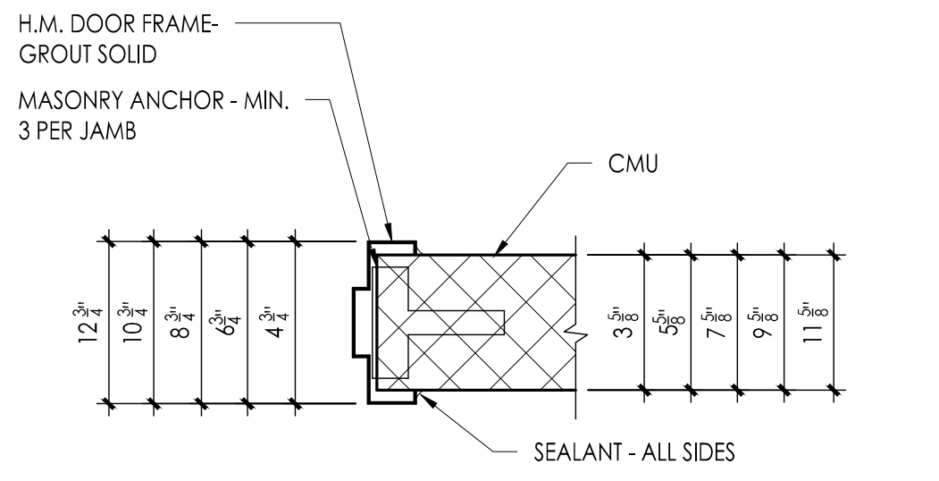
J4B


FIRE RATED CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
PREDRILLED FOR ANCHOR THRU TO EXISTING STRUCTURE AND CONSTRUCTION, SEE MANUF. RECOMMENDATIONS
NEW ½" FRT SHIM
1-1/2 HR. UL FIRE RATED FRP FRAME W/ TECTONITE FILLED THROAT
VARIES
EXISTING EXTERIOR MASONRY WALL

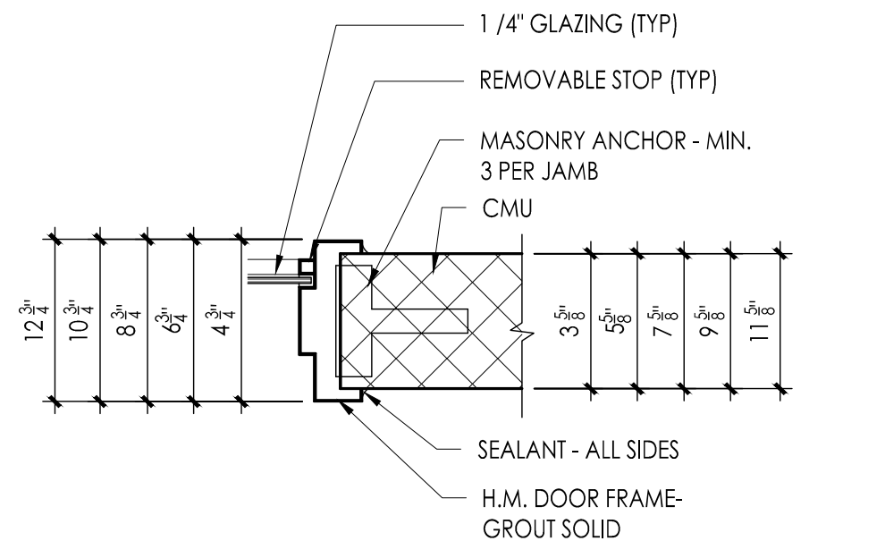
J5A


CAULK AT ALL SIDES, COLOR SELECTED BY ARCHITECT
PREDRILLED FOR ANCHOR THRU TO EXISTING STRUCTURE AND CONSTRUCTION, SEE MANUF. RECOMMENDATIONS
NEW ½" FRT SHIM
NEW FRP FRAME
VARIES
EXISTING EXTERIOR MASONRY WALL

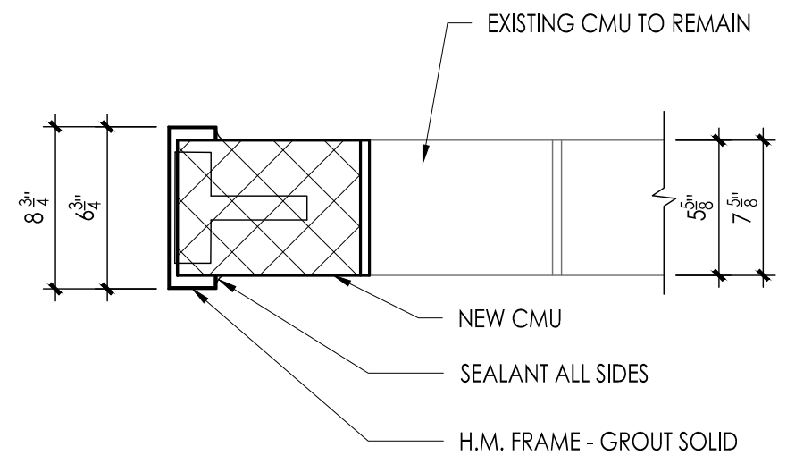
J5B



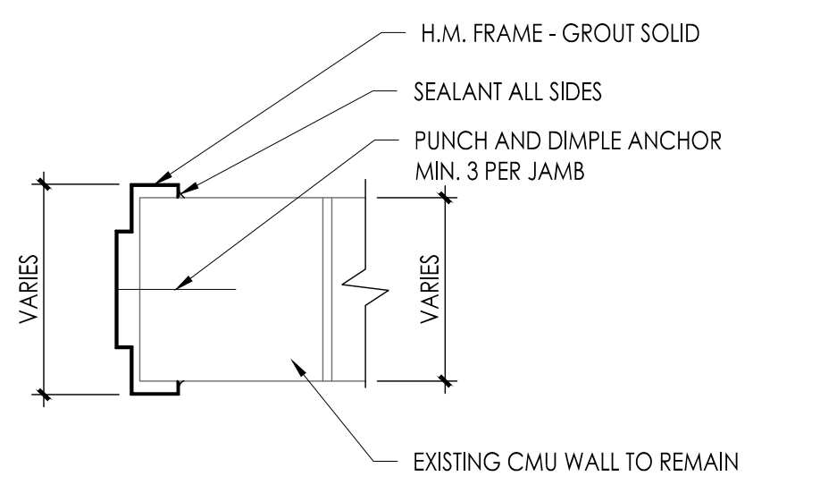
J6



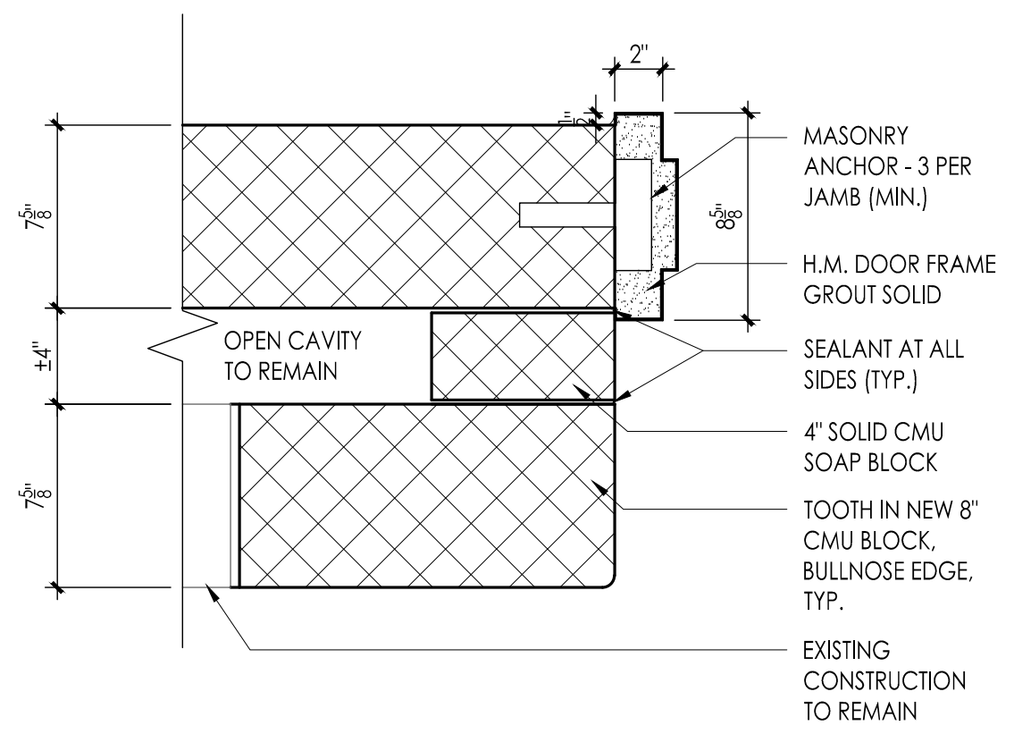
J7



J8


H.M. FRAME - GROUT SOLID
SEALANT ALL SIDES
PUNCH AND DIMPLE ANCHOR MIN. 3 PER JAMB
VARIES
EXISTING CMU WALL TO REMAIN

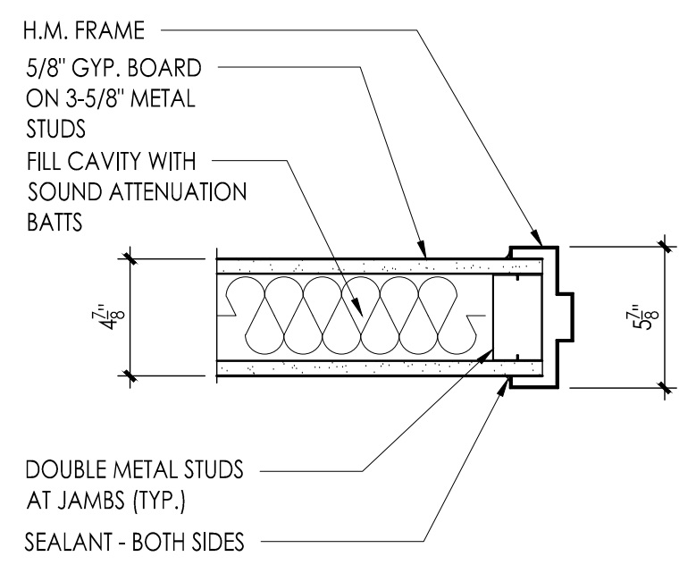
J9


MASONRY ANCHOR - 3 PER JAMB (MIN.)
H.M. DOOR FRAME GROUT SOLID
OPEN CAVITY TO REMAIN
SEALANT AT ALL SIDES (TYP.)
4" SOLID CMU SOAP BLOCK
TOOTH IN NEW 8" CMU BLOCK, BULLNOSE EDGE, TYP.
EXISTING CONSTRUCTION TO REMAIN

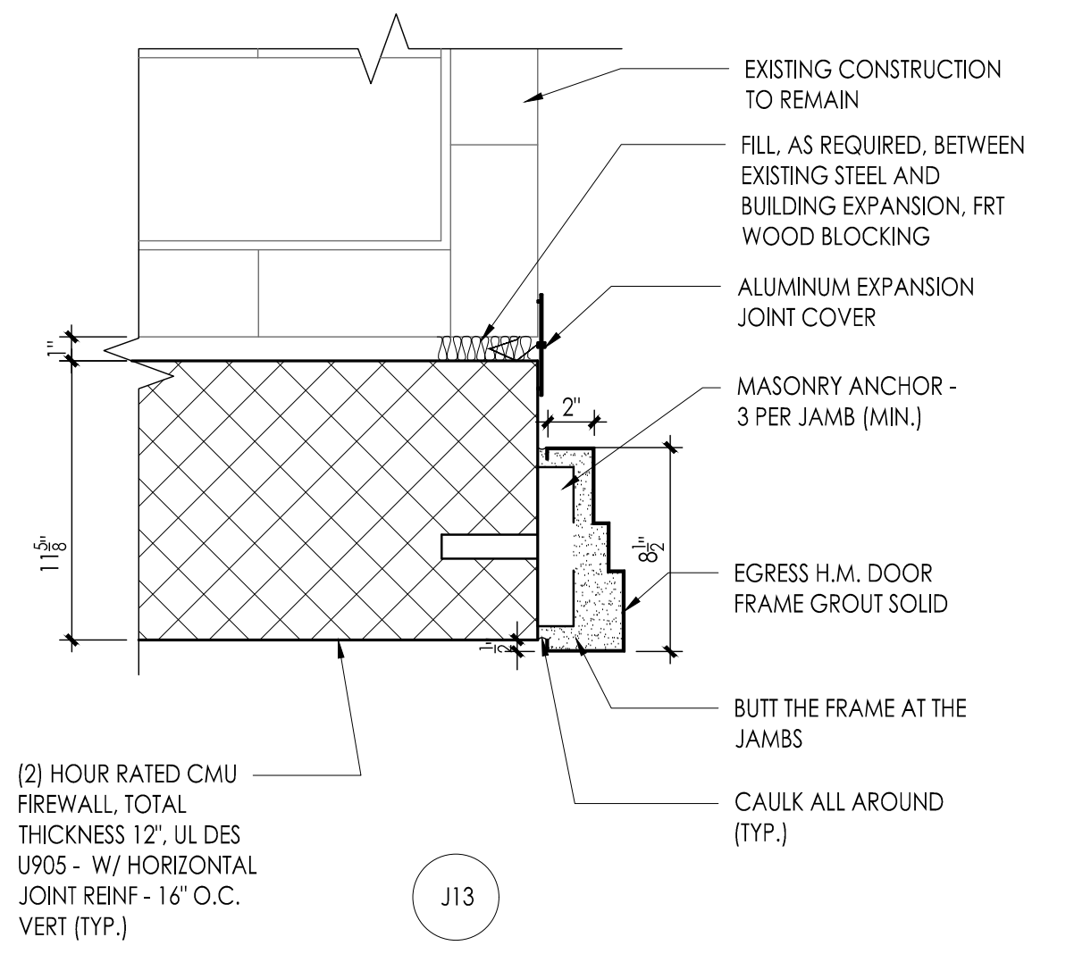
J10

NOT USED

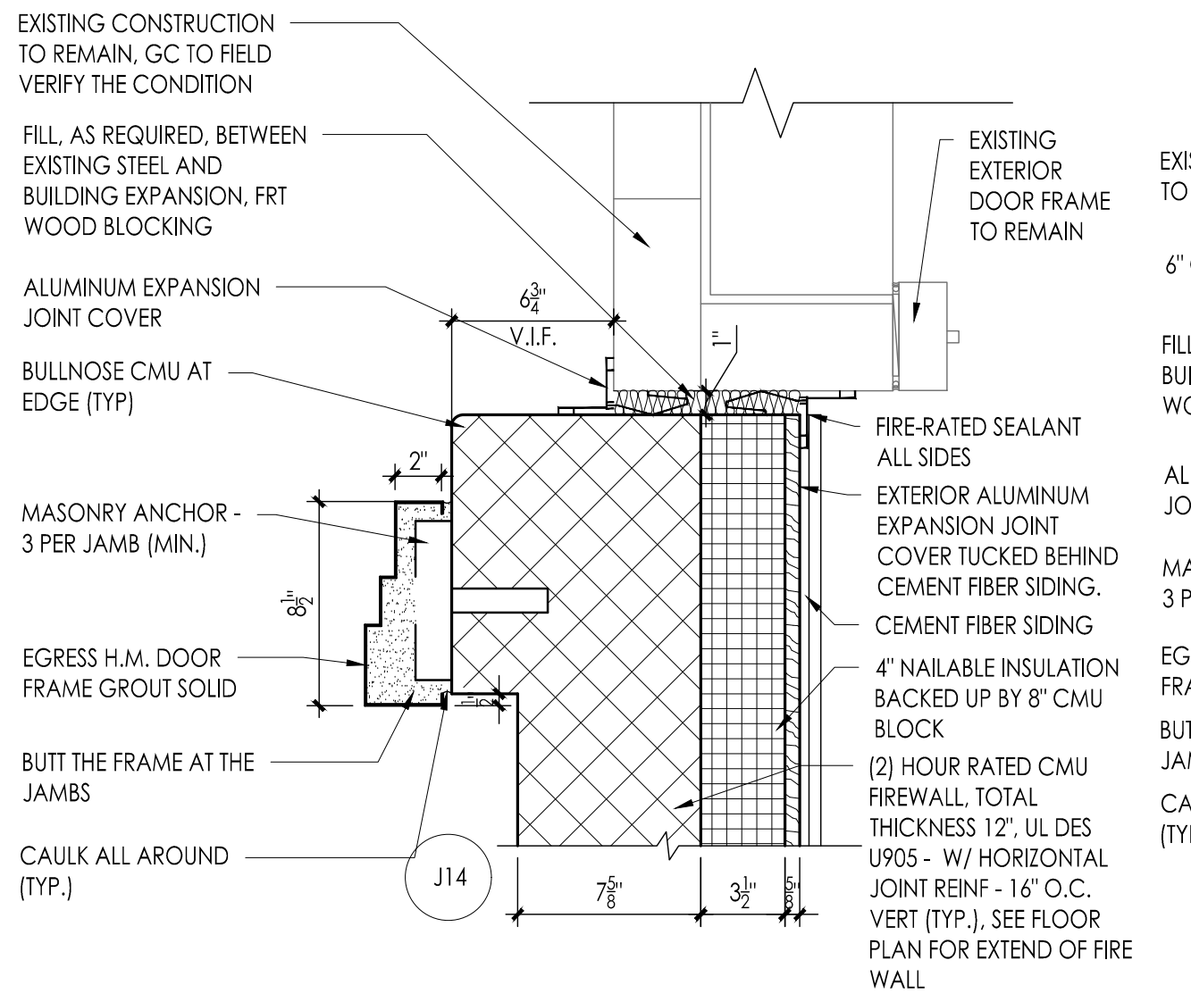
J11


H.M. FRAME
5/8" GYP. BOARD ON 3-5/8" METAL STUDS
FILL CAVITY WITH SOUND ATTENUATION BATTS
DOUBLE METAL STUDS AT JAMBS (TYP.)
SEALANT - BOTH SIDES

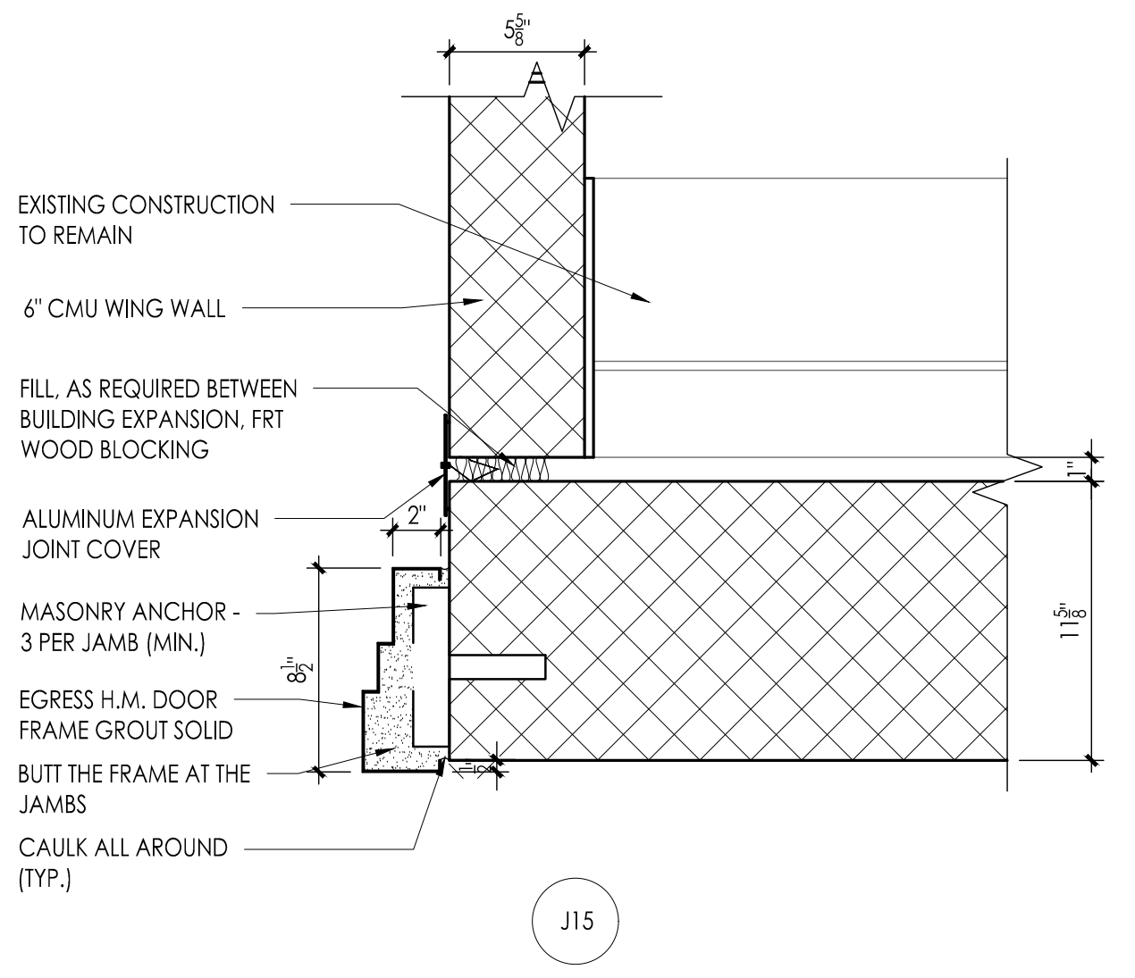
J12


EXISTING CONSTRUCTION TO REMAIN
FILL, AS REQUIRED, BETWEEN EXISTING STEEL AND BUILDING EXPANSION, FRT WOOD BLOCKING
ALUMINUM EXPANSION JOINT COVER
MASONRY ANCHOR - 3 PER JAMB (MIN.)
EGRESS H.M. DOOR FRAME GROUT SOLID
BUTT THE FRAME AT THE JAMBS
CAULK ALL AROUND (TYP.)
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.)

J13


EXISTING CONSTRUCTION TO REMAIN, GC TO FIELD VERIFY THE CONDITION
FILL, AS REQUIRED, BETWEEN EXISTING STEEL AND BUILDING EXPANSION, FRT WOOD BLOCKING
EXISTING EXTERIOR DOOR FRAME TO REMAIN
ALUMINUM EXPANSION JOINT COVER
BULLNOSE CMU AT EDGE (TYP)
FIRE-RATED SEALANT ALL SIDES
EXTERIOR ALUMINUM EXPANSION JOINT COVER TUCKED BEHIND CEMENT FIBER SIDING.
MASONRY ANCHOR - 3 PER JAMB (MIN.)
CEMENT FIBER SIDING
4" NAILABLE INSULATION BACKED UP BY 8" CMU BLOCK
EGRESS H.M. DOOR FRAME GROUT SOLID
BUTT THE FRAME AT THE JAMBS
(2) HOUR RATED CMU FIREWALL, TOTAL THICKNESS 12", UL DES U905 - W/ HORIZONTAL JOINT REINF - 16" O.C. VERT (TYP.); SEE FLOOR PLAN FOR EXTEND OF FIRE WALL
CAULK ALL AROUND (TYP.)

J14


EXISTING CONSTRUCTION TO REMAIN
6" CMU WING WALL
FILL AS REQUIRED BETWEEN BUILDING EXPANSION, FRT WOOD BLOCKING
ALUMINUM EXPANSION JOINT COVER
MASONRY ANCHOR - 3 PER JAMB (MIN.)
EGRESS H.M. DOOR FRAME GROUT SOLID
BUTT THE FRAME AT THE JAMBS
CAULK ALL AROUND (TYP.)

J15

JAMB DETAILS

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

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
GEORGE R. DUTHIE JR., AIA, PP
JASON J. DUBOWITCH, AIA
STEPHEN W. SCHREIER JR., AIA, LEED AP BD+C

2/12/26
Date
Architect

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

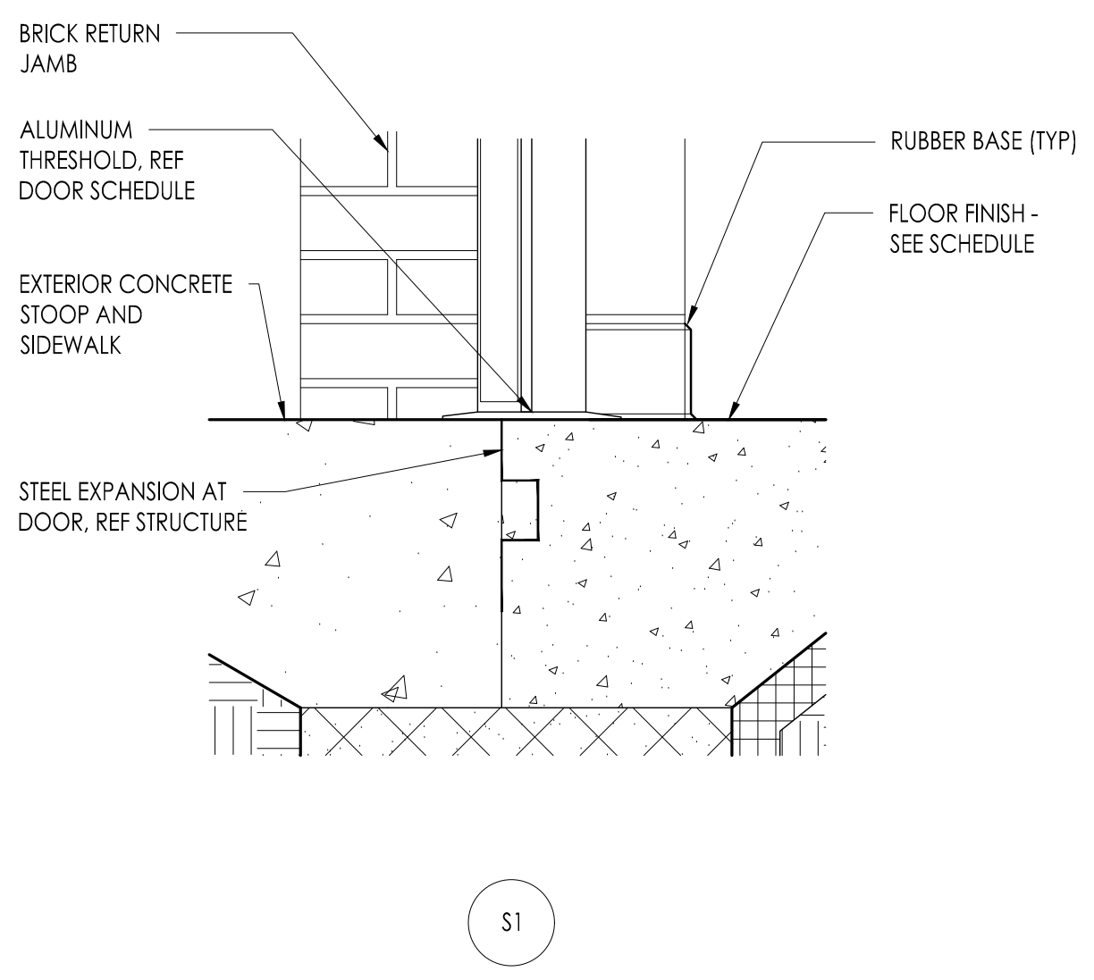
Scale
AS NOTED

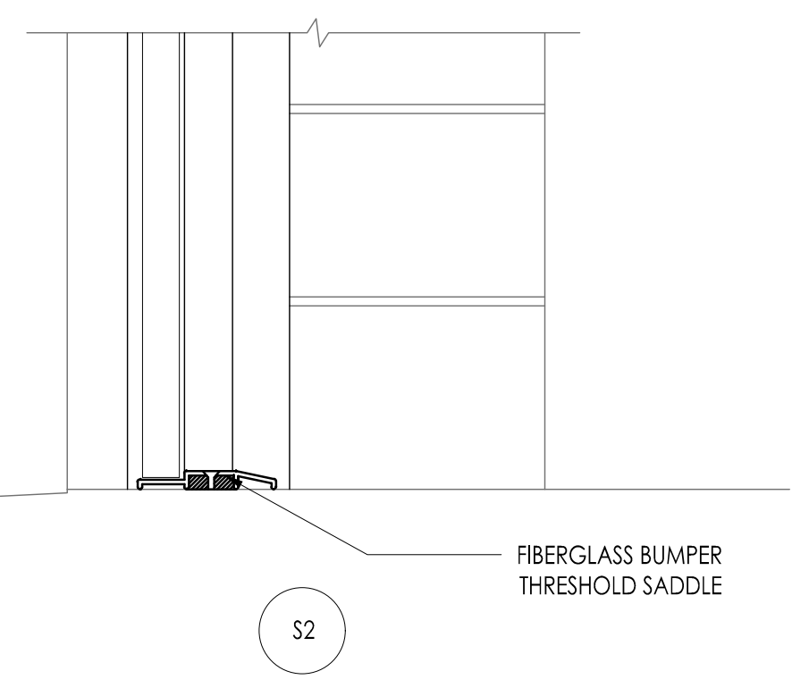
Drawing Name
DOOR FRAME HEAD & JAMB DETAILS

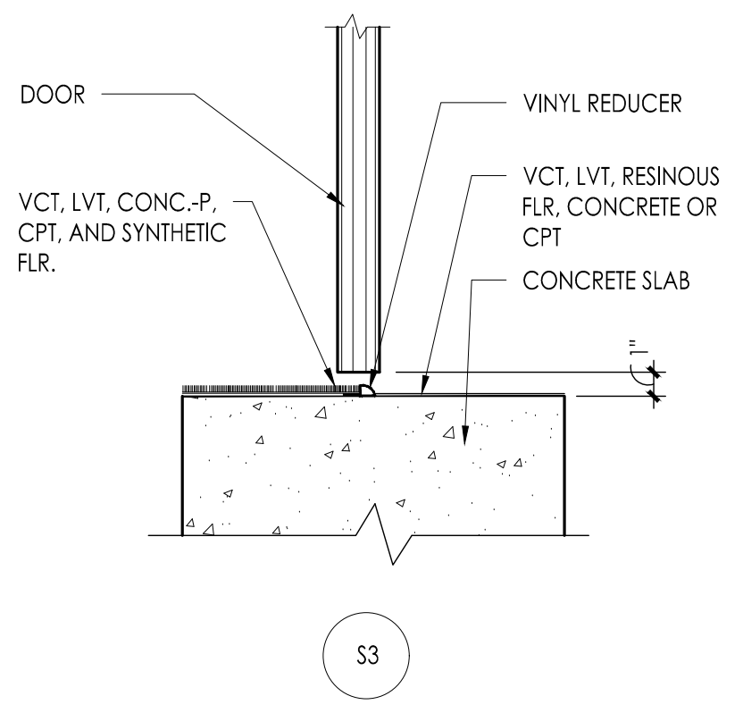
Revisions

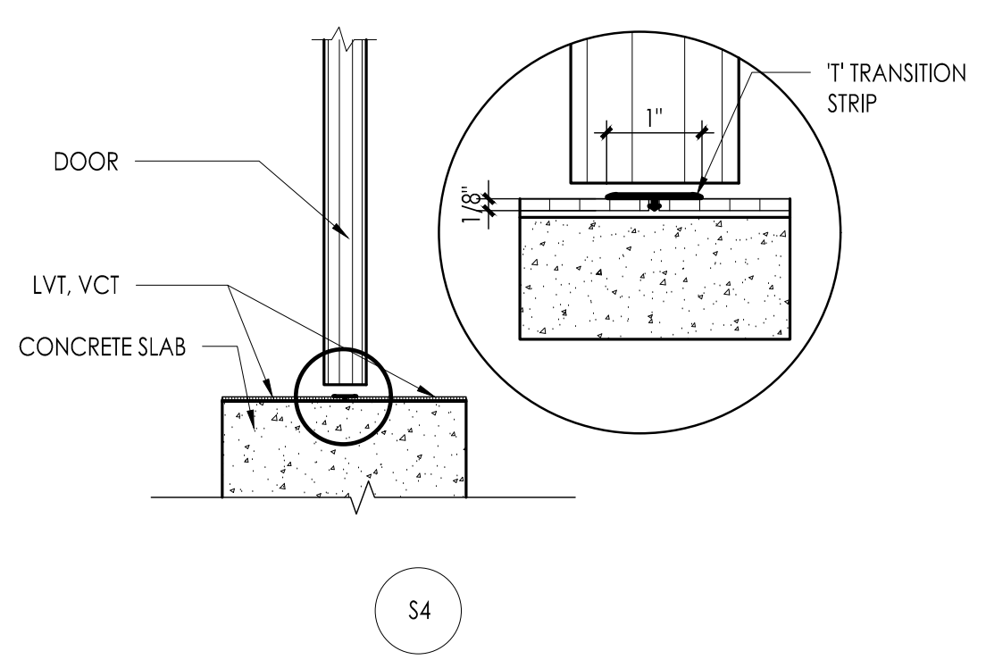
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
△	12.10.25	NJ DCA REVISIONS
△	12.15.25	DESIGN REVISIONS
△	01.02.26	NJ DCA REVISIONS
△	01.02.26	DESIGN REVISIONS
△	01.23.26	NJ DCA REVISIONS

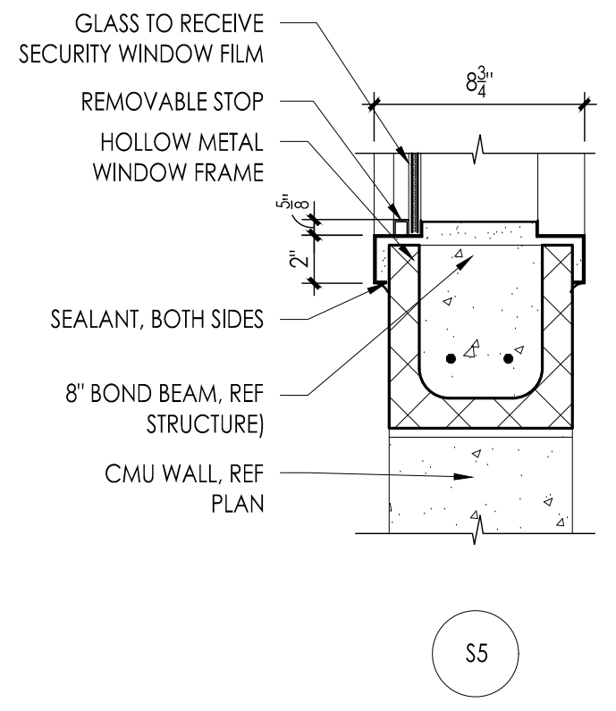
Drawing Number
A602


BRICK RETURN JAMB
ALUMINUM THRESHOLD, REF DOOR SCHEDULE
EXTERIOR CONCRETE STOOP AND SIDEWALK
STEEL EXPANSION AT DOOR, REF STRUCTURE
RUBBER BASE (TYP)
FLOOR FINISH - SEE SCHEDULE
S1



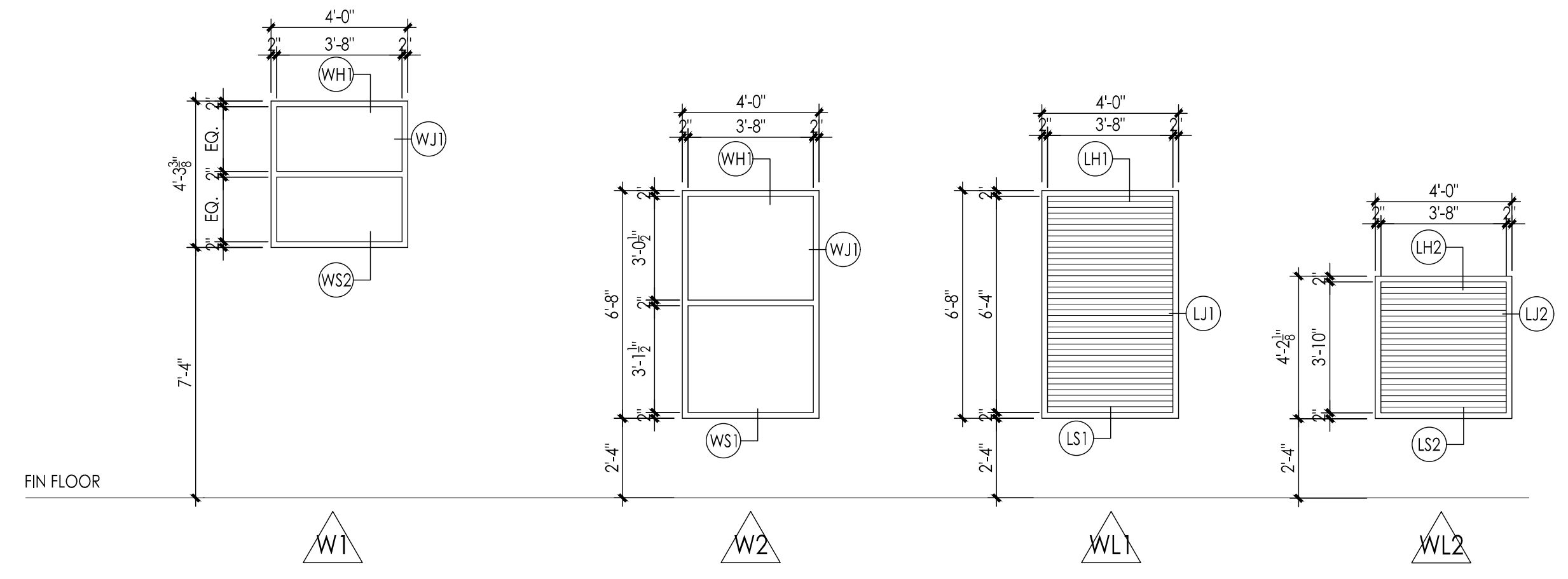

DOOR
VCT, LVT, CONC.-P, CPT, AND SYNTHETIC FLR.
VINYL REDUCER
VCT, LVT, RESINOUS FLR, CONCRETE OR CPT
CONCRETE SLAB
1"
S3




GLASS TO RECEIVE SECURITY WINDOW FILM
REMOVABLE STOP
HOLLOW METAL WINDOW FRAME
SEALANT, BOTH SIDES
8" BOND BEAM, REF STRUCTURE)
CMU WALL, REF PLAN
8 3/4"
5/8"
2"
S5

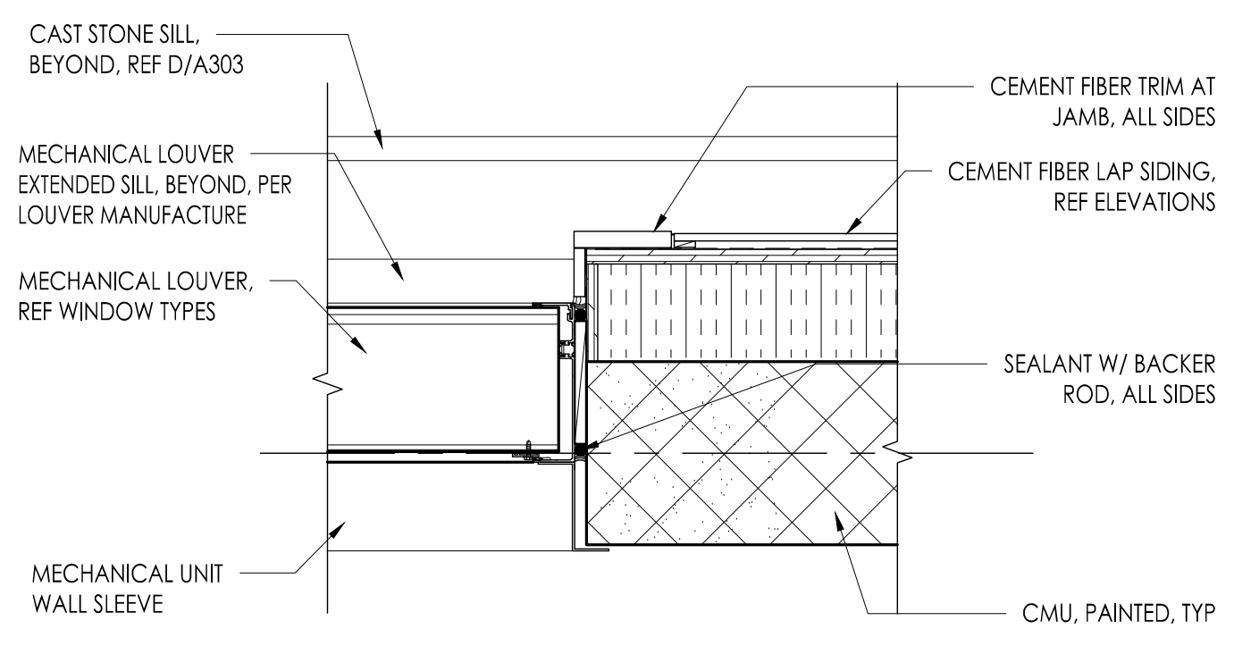
DOOR SILL DETAILS

1/4"=1'-0"



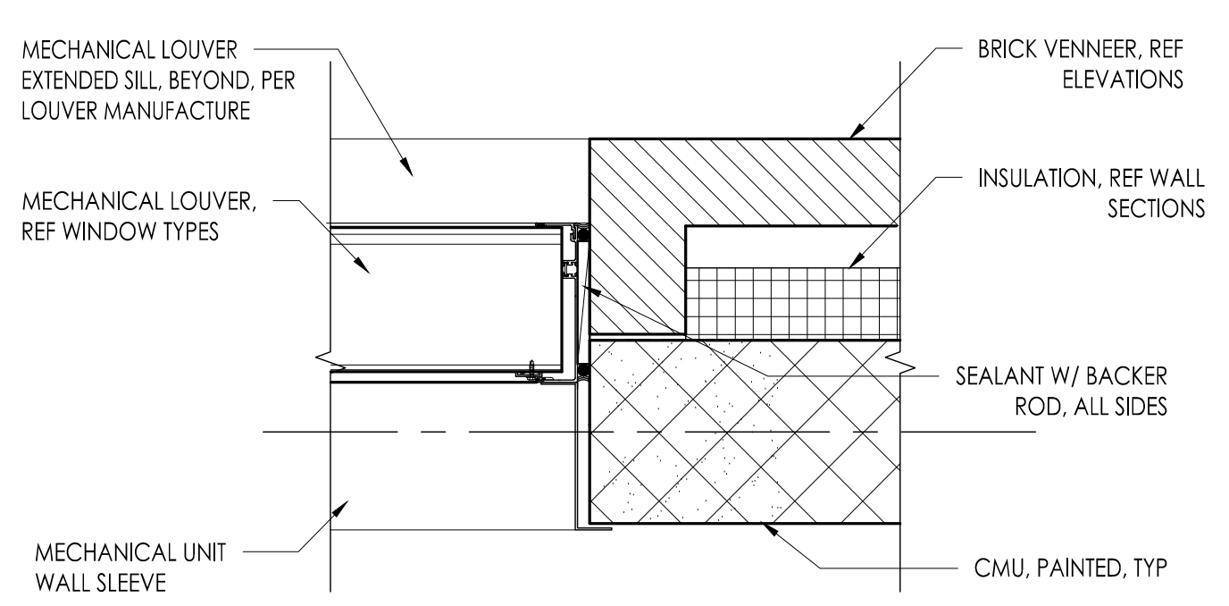
WINDOW TYPES

1/4"=1'-0"


CAST STONE SILL, BEYOND, REF D/A303
MECHANICAL LOUVER EXTENDED SILL, BEYOND, PER LOUVER MANUFACTURE
MECHANICAL LOUVER, REF WINDOW TYPES
MECHANICAL UNIT WALL SLEEVE
CEMENT FIBER TRIM AT JAMB, ALL SIDES
CEMENT FIBER LAP SIDING, REF ELEVATIONS
SEALANT W/ BACKER ROD, ALL SIDES
CMU, PAINTED, TYP

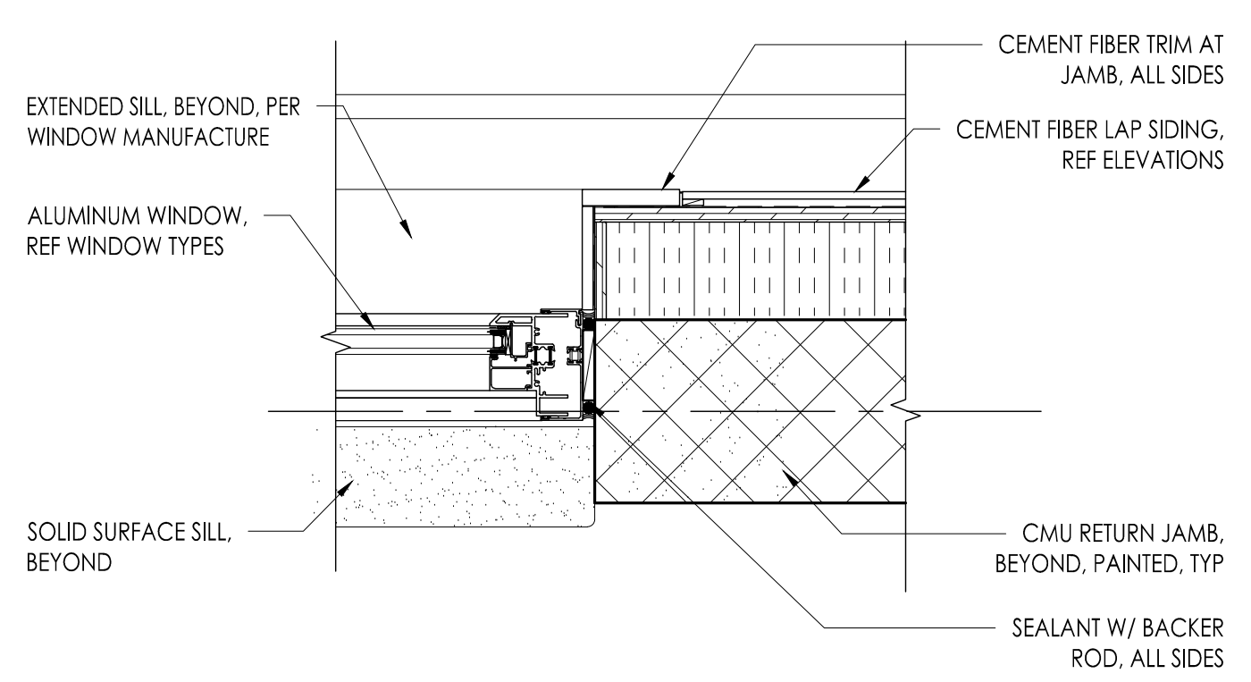
LJ1 LOUVER JAMB DETAIL (CLASSROOM)

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


MECHANICAL LOUVER EXTENDED SILL, BEYOND, PER LOUVER MANUFACTURE
MECHANICAL LOUVER, REF WINDOW TYPES
MECHANICAL UNIT WALL SLEEVE
BRICK VENNEER, REF ELEVATIONS
INSULATION, REF WALL SECTIONS
SEALANT W/ BACKER ROD, ALL SIDES
CMU, PAINTED, TYP

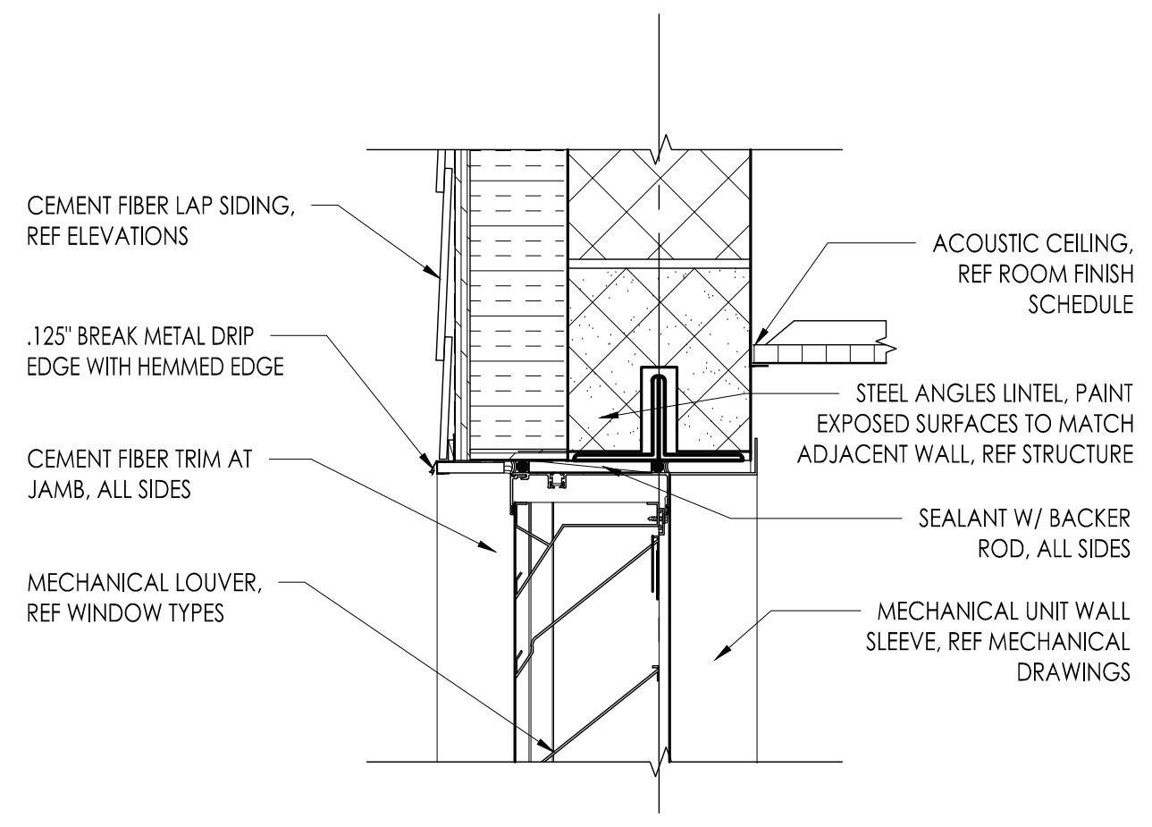
LJ2 LOUVER JAMB DETAIL (CLASSROOM)

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


EXTENDED SILL, BEYOND, PER WINDOW MANUFACTURE
ALUMINUM WINDOW, REF WINDOW TYPES
SOLID SURFACE SILL, BEYOND
CEMENT FIBER TRIM AT JAMB, ALL SIDES
CEMENT FIBER LAP SIDING, REF ELEVATIONS
CMU RETURN JAMB, BEYOND, PAINTED, TYP
SEALANT W/ BACKER ROD, ALL SIDES

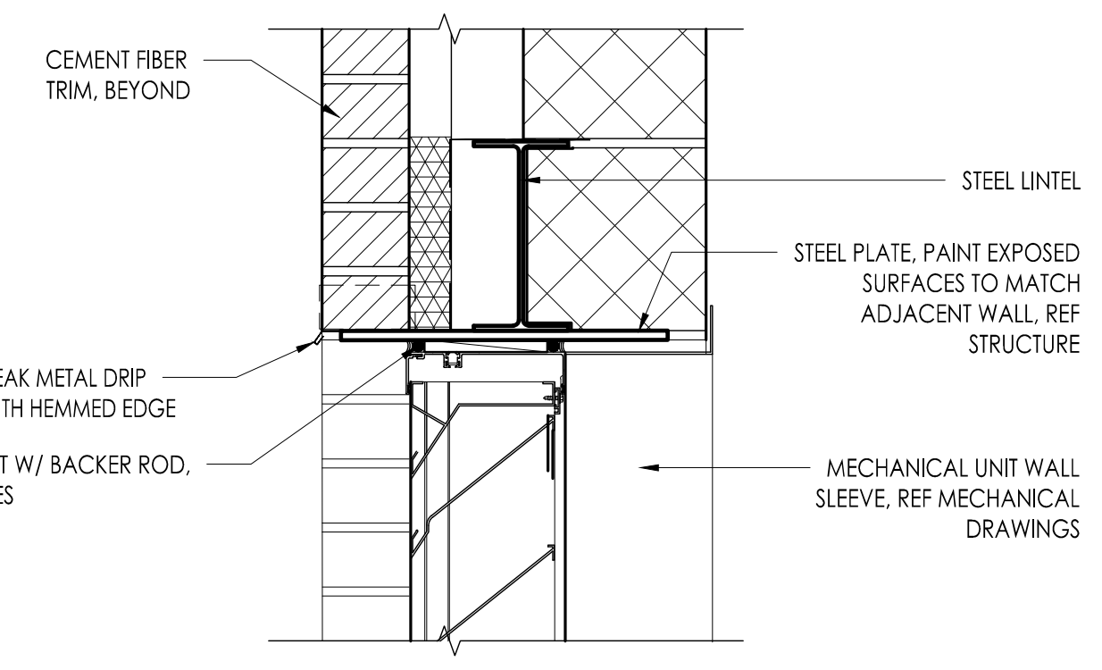
WJ1 WINDOW JAMB DETAIL (CLASSROOM)

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


CEMENT FIBER LAP SIDING, REF ELEVATIONS
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
CEMENT FIBER TRIM AT JAMB, ALL SIDES
MECHANICAL LOUVER, REF WINDOW TYPES
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
STEEL ANGLES LINTEL, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL, REF STRUCTURE
SEALANT W/ BACKER ROD, ALL SIDES
MECHANICAL UNIT WALL SLEEVE, REF MECHANICAL DRAWINGS

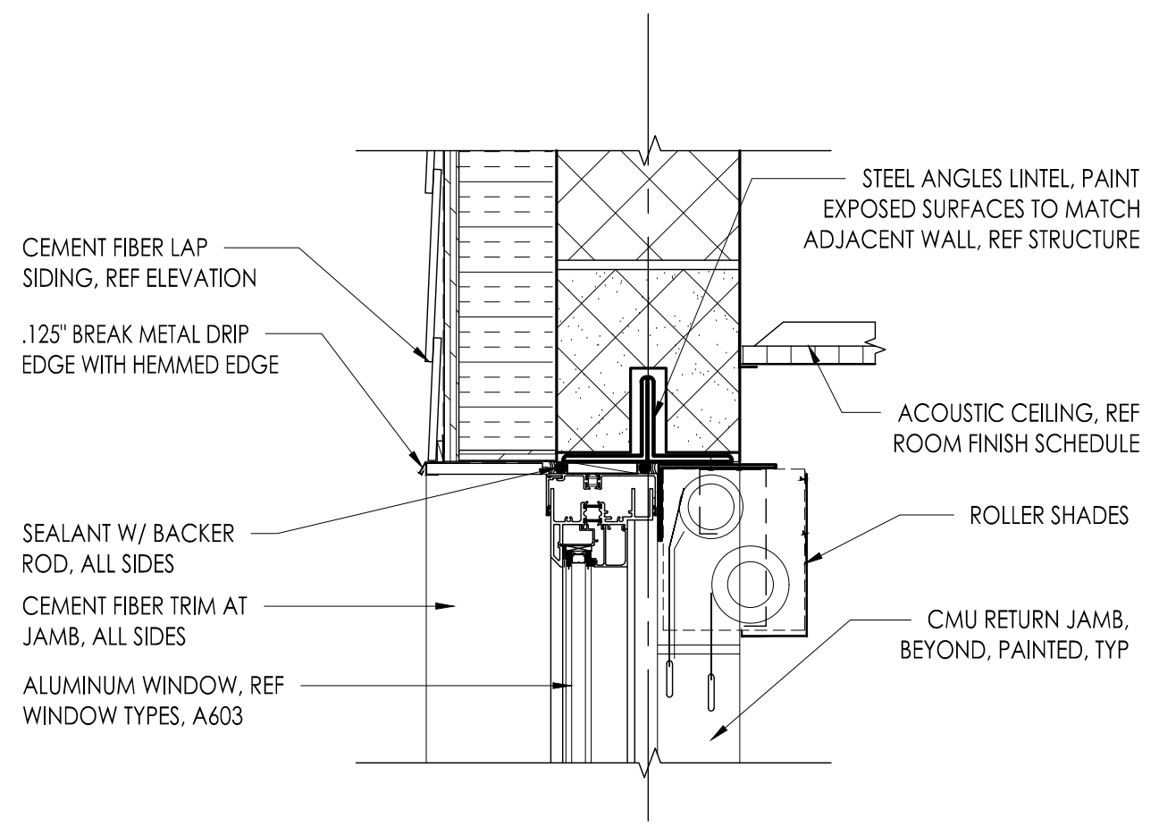
LH1 LOUVER HEAD DETAIL (CLASSROOM)

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


CEMENT FIBER TRIM, BEYOND
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
SEALANT W/ BACKER ROD, ALL SIDES
STEEL LINTEL
STEEL PLATE, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL, REF STRUCTURE
MECHANICAL UNIT WALL SLEEVE, REF MECHANICAL DRAWINGS

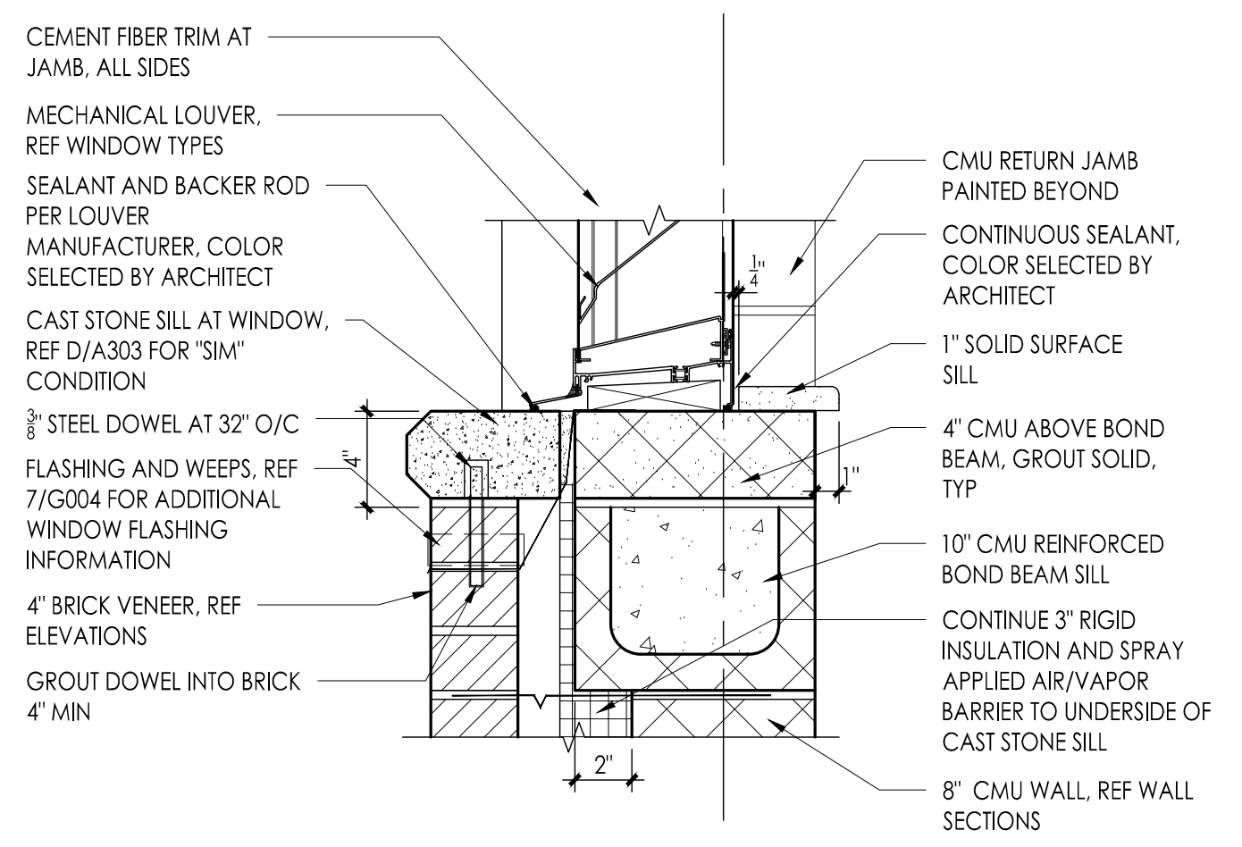
LH2 STOREFRONT HEAD DETAIL

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


CEMENT FIBER LAP SIDING, REF ELEVATION
.125" BREAK METAL DRIP EDGE WITH HEMMED EDGE
SEALANT W/ BACKER ROD, ALL SIDES
CEMENT FIBER TRIM AT JAMB, ALL SIDES
ALUMINUM WINDOW, REF WINDOW TYPES, A603
STEEL ANGLES LINTEL, PAINT EXPOSED SURFACES TO MATCH ADJACENT WALL, REF STRUCTURE
ACOUSTIC CEILING, REF ROOM FINISH SCHEDULE
ROLLER SHADES
CMU RETURN JAMB, BEYOND, PAINTED, TYP

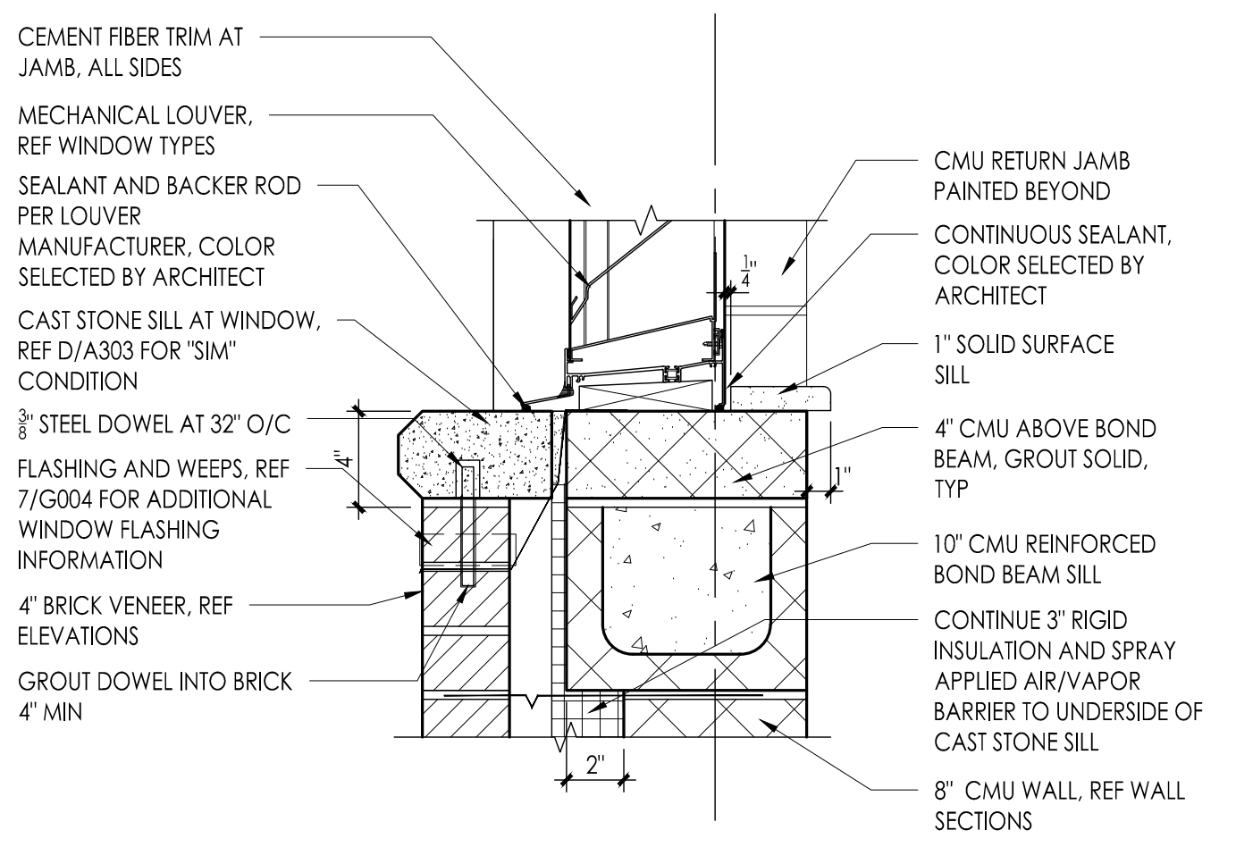
WH1 HEAD DETAIL (ALUMINUM WINDOW)

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


CEMENT FIBER TRIM AT JAMB, ALL SIDES
MECHANICAL LOUVER, REF WINDOW TYPES
SEALANT AND BACKER ROD PER LOUVER MANUFACTURER, COLOR SELECTED BY ARCHITECT
CAST STONE SILL AT WINDOW, REF D/A303 FOR "SIM" CONDITION
3/8" STEEL DOWEL AT 32" O/C
FLASHING AND WEEPS, REF 7/G004 FOR ADDITIONAL WINDOW FLASHING INFORMATION
4" BRICK VENEER, REF ELEVATIONS
GROUT DOWEL INTO BRICK 4" MIN
CMU RETURN JAMB PAINTED BEYOND
CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
1" SOLID SURFACE SILL
4" CMU ABOVE BOND BEAM, GROUT SOLID, TYP
10" CMU REINFORCED BOND BEAM SILL
CONTINUE 3" RIGID INSULATION AND SPRAY APPLIED AIR/VAPOR BARRIER TO UNDERSIDE OF CAST STONE SILL
8" CMU WALL, REF WALL SECTIONS
1/4"
4"
1"
2"

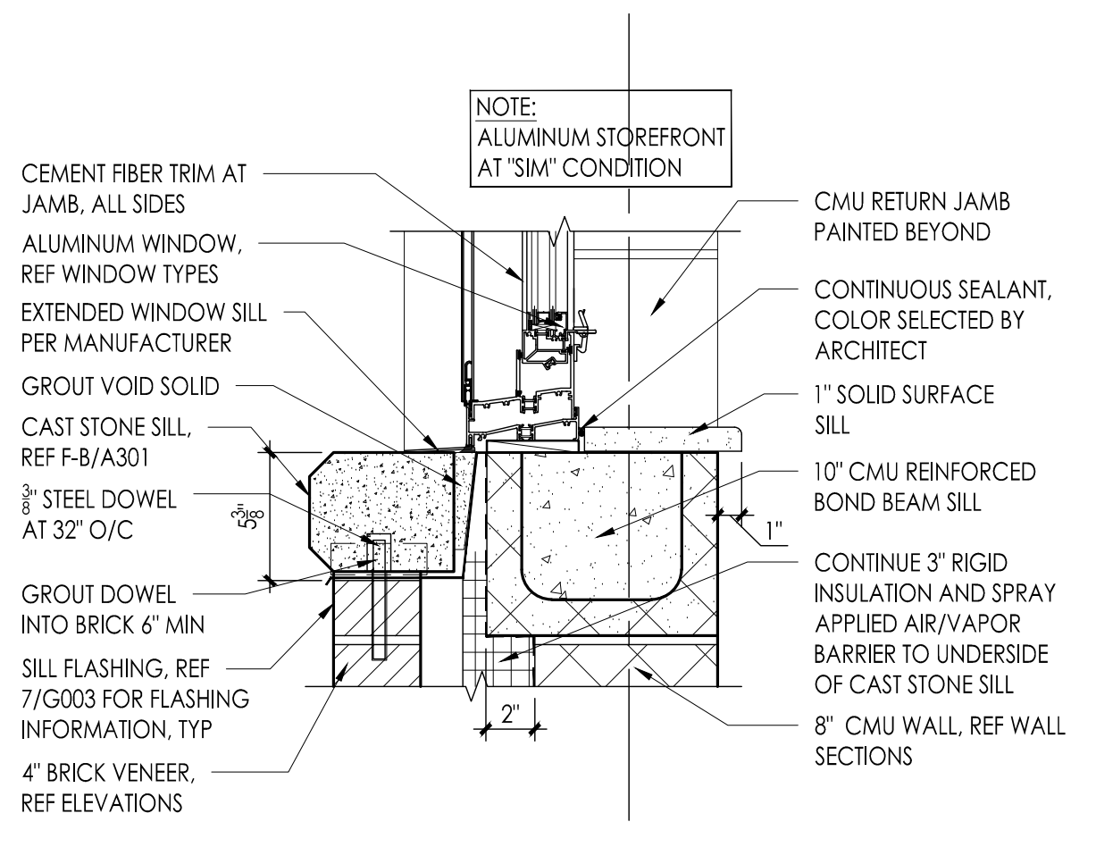
LS1 LOUVER SILL DETAIL (CLASSROOM)

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


CEMENT FIBER TRIM AT JAMB, ALL SIDES
MECHANICAL LOUVER, REF WINDOW TYPES
SEALANT AND BACKER ROD PER LOUVER MANUFACTURER, COLOR SELECTED BY ARCHITECT
CAST STONE SILL AT WINDOW, REF D/A303 FOR "SIM" CONDITION
3/8" STEEL DOWEL AT 32" O/C
FLASHING AND WEEPS, REF 7/G004 FOR ADDITIONAL WINDOW FLASHING INFORMATION
4" BRICK VENEER, REF ELEVATIONS
GROUT DOWEL INTO BRICK 4" MIN
CMU RETURN JAMB PAINTED BEYOND
CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
1" SOLID SURFACE SILL
4" CMU ABOVE BOND BEAM, GROUT SOLID, TYP
10" CMU REINFORCED BOND BEAM SILL
CONTINUE 3" RIGID INSULATION AND SPRAY APPLIED AIR/VAPOR BARRIER TO UNDERSIDE OF CAST STONE SILL
8" CMU WALL, REF WALL SECTIONS
1/4"
4"
1"
2"

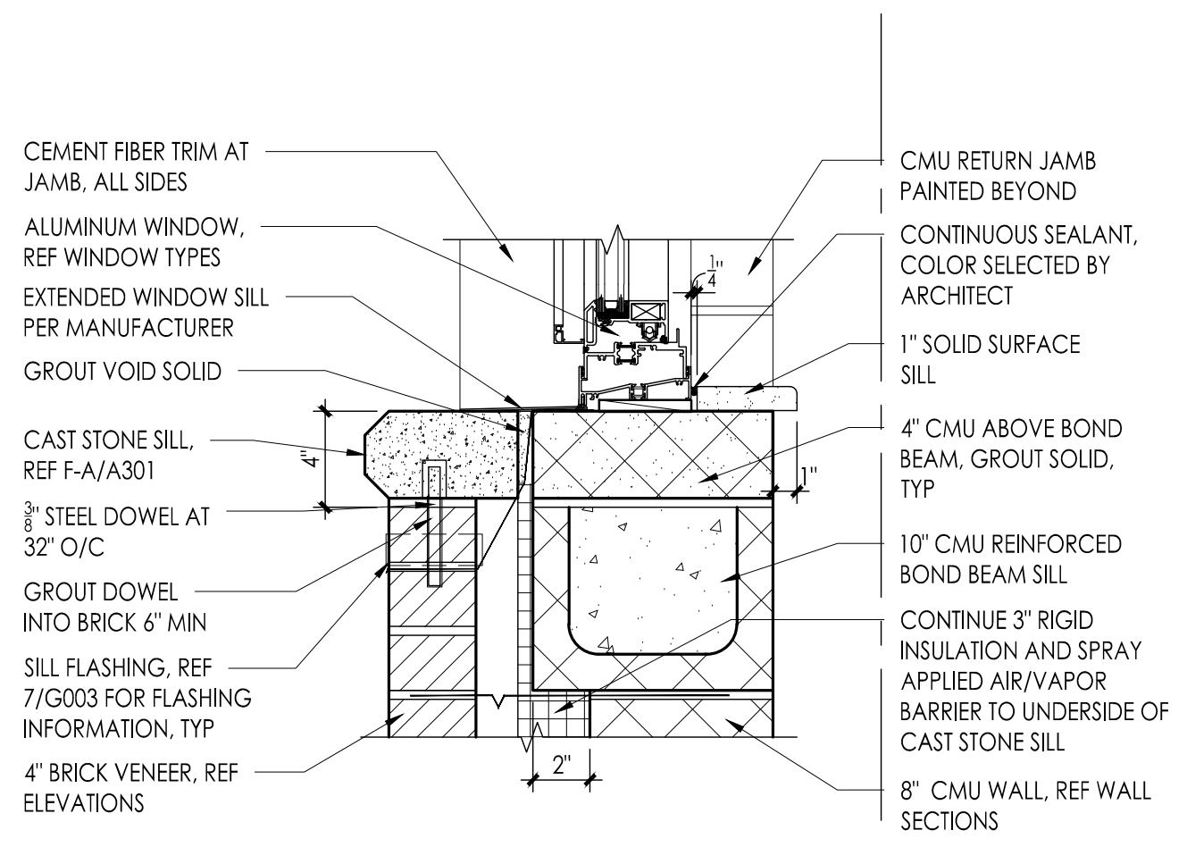
LS1 LOUVER SILL DETAIL (CLASSROOM)

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


NOTE: ALUMINUM STOREFRONT AT "SIM" CONDITION
CEMENT FIBER TRIM AT JAMB, ALL SIDES
ALUMINUM WINDOW, REF WINDOW TYPES
EXTENDED WINDOW SILL PER MANUFACTURER
GROUT VOID SOLID
CAST STONE SILL, REF F-B/A301
3/8" STEEL DOWEL AT 32" O/C
GROUT DOWEL INTO BRICK 6" MIN
SILL FLASHING, REF 7/G003 FOR FLASHING INFORMATION, TYP
4" BRICK VENEER, REF ELEVATIONS
CMU RETURN JAMB PAINTED BEYOND
CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
1" SOLID SURFACE SILL
10" CMU REINFORCED BOND BEAM SILL
CONTINUE 3" RIGID INSULATION AND SPRAY APPLIED AIR/VAPOR BARRIER TO UNDERSIDE OF CAST STONE SILL
8" CMU WALL, REF WALL SECTIONS
5 3/8"
1"
2"

WH1 SILL DETAIL (CLASSROOM)

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


CEMENT FIBER TRIM AT JAMB, ALL SIDES
ALUMINUM WINDOW, REF WINDOW TYPES
EXTENDED WINDOW SILL PER MANUFACTURER
GROUT VOID SOLID
CAST STONE SILL, REF F-A/A301
3/8" STEEL DOWEL AT 32" O/C
GROUT DOWEL INTO BRICK 6" MIN
SILL FLASHING, REF 7/G003 FOR FLASHING INFORMATION, TYP
4" BRICK VENEER, REF ELEVATIONS
CMU RETURN JAMB PAINTED BEYOND
CONTINUOUS SEALANT, COLOR SELECTED BY ARCHITECT
1" SOLID SURFACE SILL
4" CMU ABOVE BOND BEAM, GROUT SOLID, TYP
10" CMU REINFORCED BOND BEAM SILL
CONTINUE 3" RIGID INSULATION AND SPRAY APPLIED AIR/VAPOR BARRIER TO UNDERSIDE OF CAST STONE SILL
8" CMU WALL, REF WALL SECTIONS
1/4"
4"
1"
2"

WH2 SILL DETAIL (VOCAL MUSIC)

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

WINDOW NOTES

1. PROVIDE INSULATED TEMPERED GLASS W/ SECURITY WINDOW FILM (INSUL-F) AT NEW EXTERIOR WINDOWS, UNLESS NOTED OTHERWISE.
2. PROVIDE ROOM NUMBERS ON EXTERIOR SIDE OF WINDOWS. ROOM NUMBERS TO BE AN EXTERIOR GRADE REFLECTIVE VINYL MIN OF 5" HIGH, REFER TO SPECS FOR DETAILS.
3. REFERENCE THIS SHEET FOR HEAD, JAMB, AND SILL DETAILS FOR WINDOWS.
4. REFERENCE SPECS. AND MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF WINDOW SHADES.
5. ALL OPERABLE WINDOWS WILL RECEIVE 4" LIMITED STOPS, TYP.
6. ALL FIRST FLOOR WINDOWS WILL RECEIVE SECURITY FILM.

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By

Scale
AS NOTED

Drawing Name
DOOR FRAME SILL DETAILS & WINDOW FRAME DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A603

INTERIOR FINISH LEGEND

ACOUSTICAL CEILING SYSTEMS

ACB-1	DESCRIPTION: 2x4 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: 863 ULTIMA HIGH NRC COLOR: WHITE SIZE: 24" x 48" x 7/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS
ACB-2	DESCRIPTION: 2x2 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: ULTIMA HIGH NRC COLOR: WHITE SIZE: 24" x 24" x 7/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS
ACB-3	DESCRIPTION: 2x2 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: ULTIMA HIGH NRC COLOR: BLACK SIZE: 24" x 24" x 7/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS
AACB-1	DESCRIPTION: 2x4 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: 605 CERAGUARD MAX COLOR: WHITE SIZE: 24" x 48" x 5/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS

CARPET ENTRY MAT

CEM-1	MANUF: PATCRAFT COLLECTION: WALK FORWARD SERIES/COLOR: TBD SIZE: 24" x 24" INSTALL METHOD: QUARTER TURN

CARPET TILE

CPT-1	MANUF: INTERFACE OR APPROVED EQUAL COLLECTION: NIGHT LIGHTS SERIES/COLOR: TBD SIZE: 9.845" x 39.38" INSTALL METHOD: ASHLAR
CPT-2	MANUF: INTERFACE OR APPROVED EQUAL COLLECTION: ONLINE SERIES/COLOR: TBD SIZE: 9.845" x 39.38" INSTALL METHOD: ASHLAR
CPT-3	ALL TO MATCH EXISTING

CORNER GUARDS

CG-1	DESCRIPTION: 2" SURFACE MOUNT CORNER GUARD MANUF: INPRO OR APPROVED EQUAL STYLE: 160 HIGH IMPACT CORNER GUARD COLOR: TBD (MANUF. FULL RANGE) DIMENSIONS: 2" WING x 48" H INSTALL: INSTALL WITH PRE-SLOTTED ALUMINUM RETAINER
CG-1	DESCRIPTION: SURFACE MOUNT END WALL PROTECTOR W/ END CAPS MANUF: INPRO OR APPROVED EQUAL STYLE: 160 HIGH IMPACT END WALL PROTECTOR COLOR: TBD (MANUF. FULL RANGE) DIMENSIONS: 2" WING x 4'H. INSTALL: INSTALL WITH PRE-SLOTTED ALUMINUM RETAINER

DECORATIVE CEILING FIXTURES

BFL-1	MANUF: ACOUFELT COLLECTION: WING SERIES/COLOR: TBD SIZE: THICKNESS: $\frac{1}{2}$" HEIGHT:10"-20" LENGTH: INSTALL METHOD: QUARTER TURN
BFL-2	MANUF: ACOUFELT COLLECTION: WING SERIES/COLOR: TBD SIZE: WIDTH: $\frac{1}{2}$: HEIGHT: 10"-20" LENGTH INSTALL METHOD: QUARTER TURN
BFL-3	MANUF: ACOUFELT COLLECTION: WING SERIES/COLOR: TBD SIZE: 24" x 24" INSTALL METHOD: QUARTER TURN
BFL-4	MANUF: ACOUFELT COLLECTION: WING SERIES/COLOR: TBD SIZE: 24" x 24" INSTALL METHOD: QUARTER TURN
BFL-5	MANUF: ACOUFELT COLLECTION: LINEAR SERIES/COLOR: TBD SIZE: WIDTH: $\frac{1}{2}$" HEIGHT:1'-0" LENGTH:VARIES, REFER RCP INSTALL METHOD:
BFL-6	MANUF: ACOUFELT COLLECTION: LINEAR SERIES/COLOR: TBD SIZE: WIDTH: $\frac{1}{2}$" HEIGHT: 1'-0" LENGTH: VARIES, REFER RCP INSTALL METHOD:

FIBER REINFORCED PLASTIC

FRP-1	MANUF: ALTRO OR APPROVED EQUAL COLLECTION: WHITEROCK COLOR: TBD DIMENSIONS: 4x10 PANELS INSTALL: PROVIDE ACCESSORIES AS SPECIFIED
FRP-2	MANUF: ALTRO OR APPROVED EQUAL COLLECTION: WHITEROCK COLOR: TBD DIMENSIONS: 4x10 PANELS INSTALL: PROVIDE ACCESSORIES AS SPECIFIED

LUXURY VINYL TILE

LVT-1	DESCRIPTION: CORRIDOR / CLASSROOM MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/BRICK SEE FINISH PLANS
LVT-2	DESCRIPTION: VOCAL MUSIC ROOM MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/BRICK SEE FINISH PLANS
LVT-3	DESCRIPTION: VOCAL MUSIC ROOM MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED
LVT-4	DESCRIPTION: STAFF ROOM AND CONFERENCE LVT MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CROSSOVER SERIES/COLOR: TBD SIZE: 7" x 48" INSTALL METHOD: STAGGERED
LVT-5	DESCRIPTION: CORRIDOR / CLASSROOM ACCENT MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/BRICK SEE FINISH PLANS
LVT-6	DESCRIPTION: CORRIDOR / CLASSROOM ACCENT MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/BRICK SEE FINISH PLANS

METAL STORAGE

MB-1	DESCRIPTION: INSTRUMENT STORAGE METAL SHELF MANUF: ICISCIENTIFIC COLOR: TBD FINISH: FLAT

PAINT

P-1	DESCRIPTION: FIELD COLOR WALL PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: EGGSHELL
P-2	DESCRIPTION: CLASSROOM ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: EGGSHELL
P-3	DESCRIPTION: CEILING PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
P-4	DESCRIPTION: CEILING PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
P-5	DESCRIPTION: CEILING PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
P-6	DESCRIPTION: EXPOSED CLASSROOM DUCTWORK MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
P-7	DESCRIPTION: TBD MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT

QUARTZ TILE

QZ-1	MANUF: RIKETT OR APPROVED EQUAL COLLECTION: MEDLEY SERIES/COLOR: TBD SIZE: 24" x 24" INSTALL METHOD: TBD

RESILIENT SHEET FLOORING

RSF-1	DESCRIPTION: SHEET VINYL FLOORING MANUF: ALTRO OR APPROVED EQUAL SERIES: ILLUSTRA COLOR: TBD ACCESSORIES: ALTRO FLASHCOVE SYSTEM FOR INTEGRAL BASE, C4 CAP STRIP H-SHAPE AND ALTRO WELD STRIP, COLOR TO MATCH

RUBBER WALL BASE

RWB-1	DESCRIPTION: TYPICAL WALL BASE MANUF: ROPPE OR APPROVED EQUAL SERIES: PINNACLE RUBBER BASE COLOR: TBD DIMENSIONS: 4" H
RWB-2	DESCRIPTION: VOCAL ROOM WALL BASE MANUF: ROPPE OR APPROVED EQUAL SERIES: PINNACLE RUBBER BASE COLOR: TBD DIMENSIONS: 4" H
RWB-3	DESCRIPTION: CLASSROOM WALL BASE MANUF: ROPPE OR APPROVED EQUAL SERIES: PINNACLE RUBBER BASE COLOR: TBD DIMENSIONS: 4" H
RWB-4	DESCRIPTION: CAFETERIA WALL BASE MANUF: ROPPE OR APPROVED EQUAL SERIES: PINNACLE RUBBER BASE COLOR: TBD DIMENSIONS: 4" H

SEALED CONCRETE FLOOR

SCF-1	DESCRIPTION: CONCRETE SEALER MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: CLEAR FINISH: MATTE TEXTURE:

SOUND PANELS

SP-1	MANUF: KINETICS NOISE SERIES: KINETICS HIGH IMPACT HARDSIDE SIZE: REFER TO A400 SERIES DRAWINGS COLOR: TBD
SP-2	MANUF: KINETICS NOISE SERIES: KINETICS HIGH IMPACT HARDSIDE SIZE: REFER TO A400 SERIES DRAWINGS COLOR: TBD
SP-3	MANUF: KINETICS NOISE SERIES: KINETICS HIGH IMPACT HARDSIDE SIZE: REFER TO A400 SERIES DRAWINGS COLOR: TBD
SP-4	MANUF: KINETICS NOISE SERIES: KINETICS HIGH IMPACT HARDSIDE SIZE: REFER TO A400 SERIES DRAWINGS COLOR: TBD
SP-5	MANUF: KINETICS NOISE SERIES: KINETICS HIGH IMPACT HARDSIDE SIZE: REFER TO A400 SERIES DRAWINGS COLOR: TBD
SP-6	MANUF: KINETICS NOISE SERIES: KINETICS HIGH IMPACT HARDSIDE SIZE: REFER TO A400 SERIES DRAWINGS COLOR: TBD

SOLID SURFACE MATERIAL

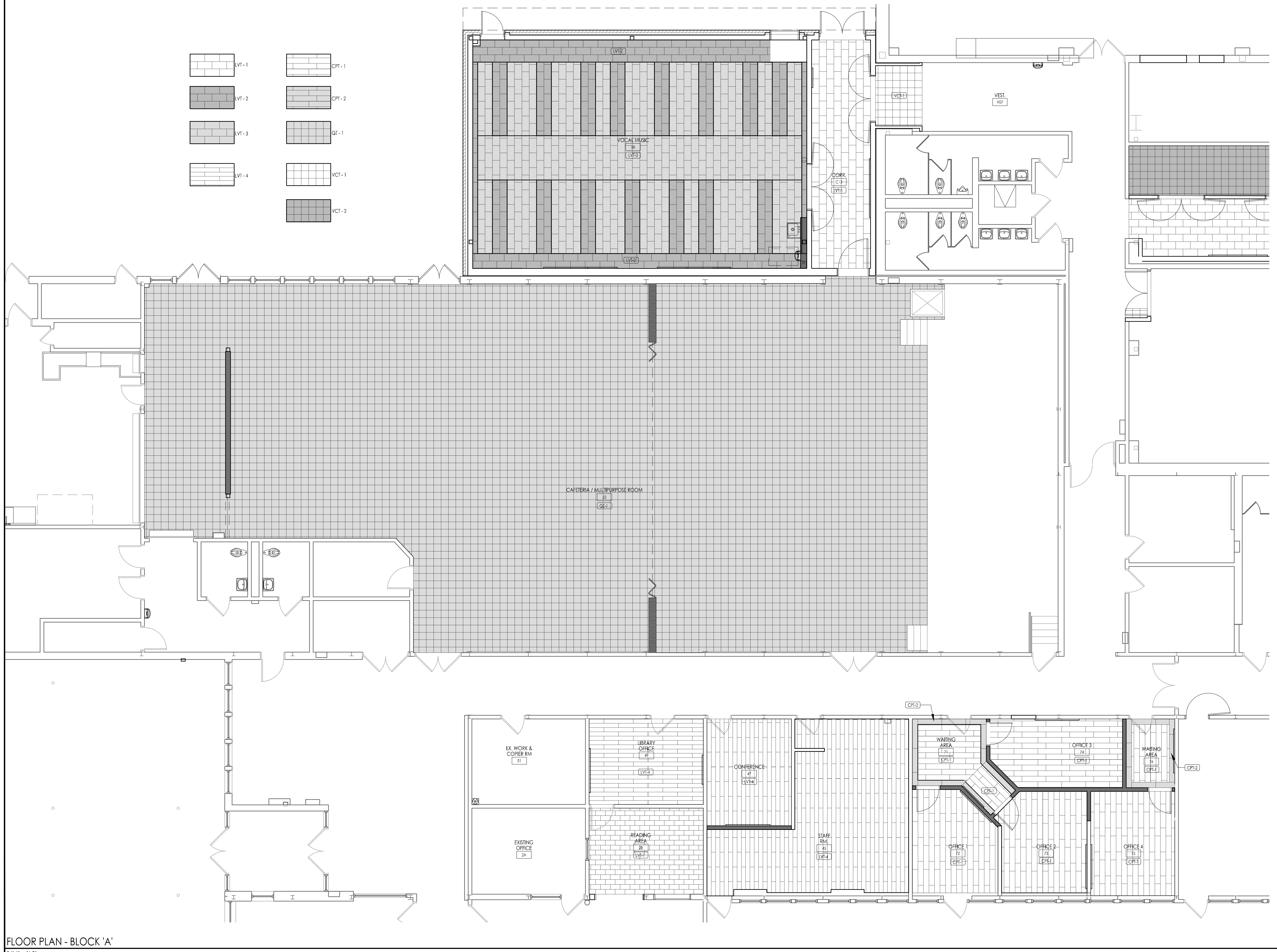
SSM-1	MANUF: CORIAN (WINDOW SILLS) COLOR: TBD
SSM-2	MANUF: CORIAN (CAFE) COLOR: TBD
SSM-3	MANUF: CORIAN (CLASSROOM & VOCAL SINK) COLOR: TBD
SSM-4	MANUF: CORIAN COLOR: TBD

VINYL COMPOSITE TILE

VCT-1	DESCRIPTION: VINYL COMPOSITE TILE MANUF: MATCH EXISTING COLOR: MATCH EXISTING
VCT-2	DESCRIPTION: VINYL COMPOSITE TILE (MUSIC STG) MANUF: ARMSTRONG INDUSTRIES OR APPROVED EQUAL COLOR: TBD

WALL COVERING

WC-1	DESCRIPTION: WALL COVERING: MUSIC NOTE 01 MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
WC-2	DESCRIPTION: WALL COVERING: MUSIC NOTE 02 MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
WC-3	DESCRIPTION: WALL COVERING: ANIMALS MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT



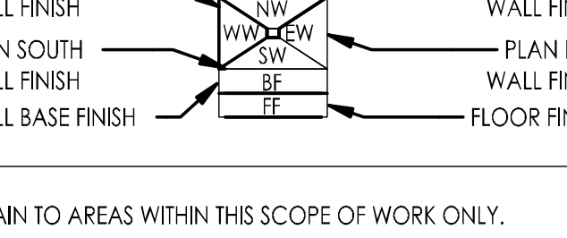
FLOOR PLAN - BLOCK 'A'
3/16" = 1'-0"

GENERAL FLOOR FINISH NOTES:

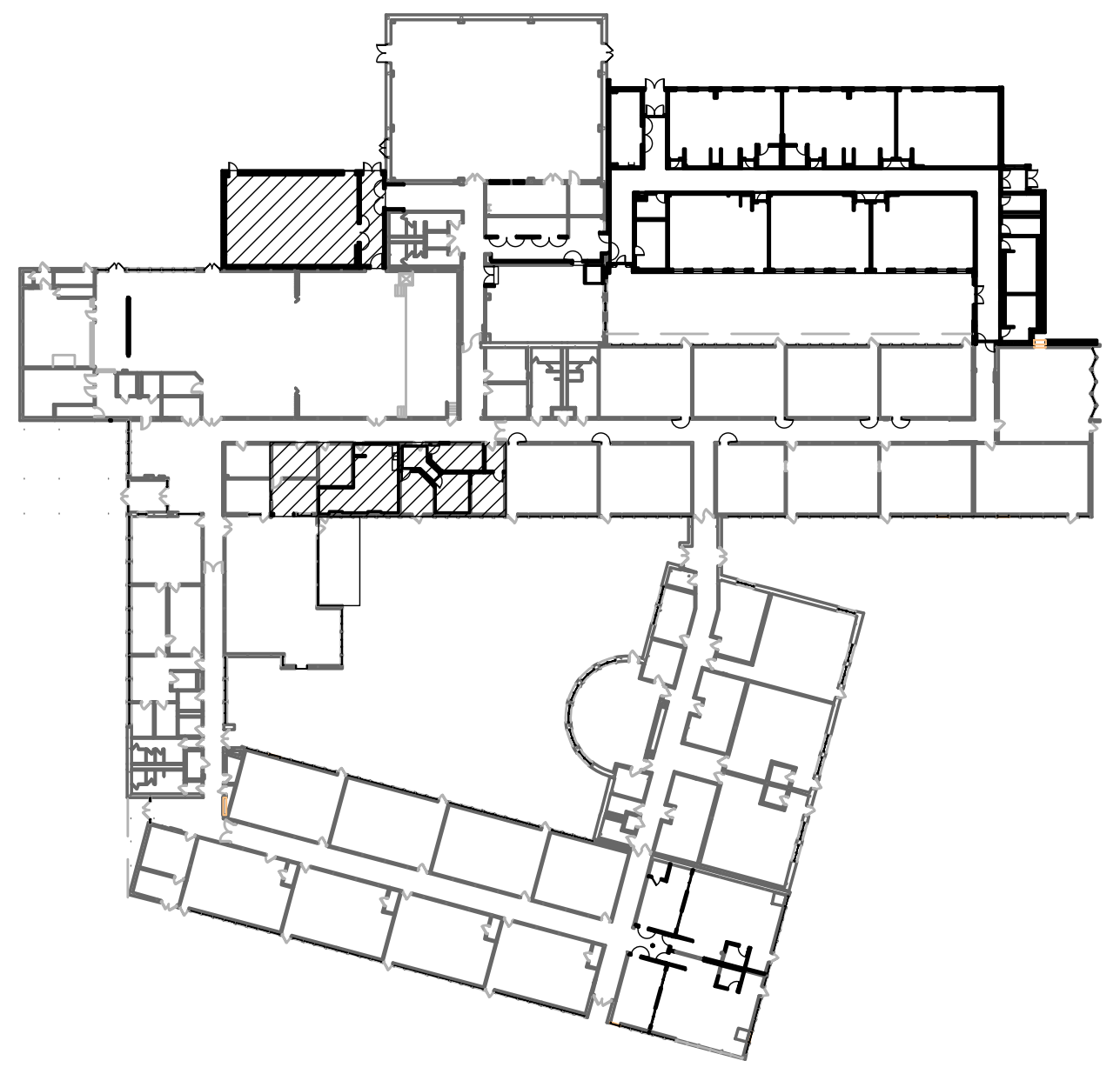
CPT-1 — FINISH TAG

INDICATES EXTENT OF FINISH UNLESS NOTED OTHERWISE

SPAN DIRECTION OF SHEET OR BROAD LOOM PRODUCTS



1. NOTES PERTAIN TO AREAS WITHIN THIS SCOPE OF WORK ONLY.
3. REFER TO COLOR BOOK AND PLAN FOR GENERAL FINISHES.
2. INSTALL DIRECTIONAL FLOORING ORIENTED AS SPECIFIED IN THE FINISH PLAN.
4. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY UPON.



NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

WILLIAM D. HOPKINS III, AIA, LEED AP
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GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln, Princeton, NJ 085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
ETS

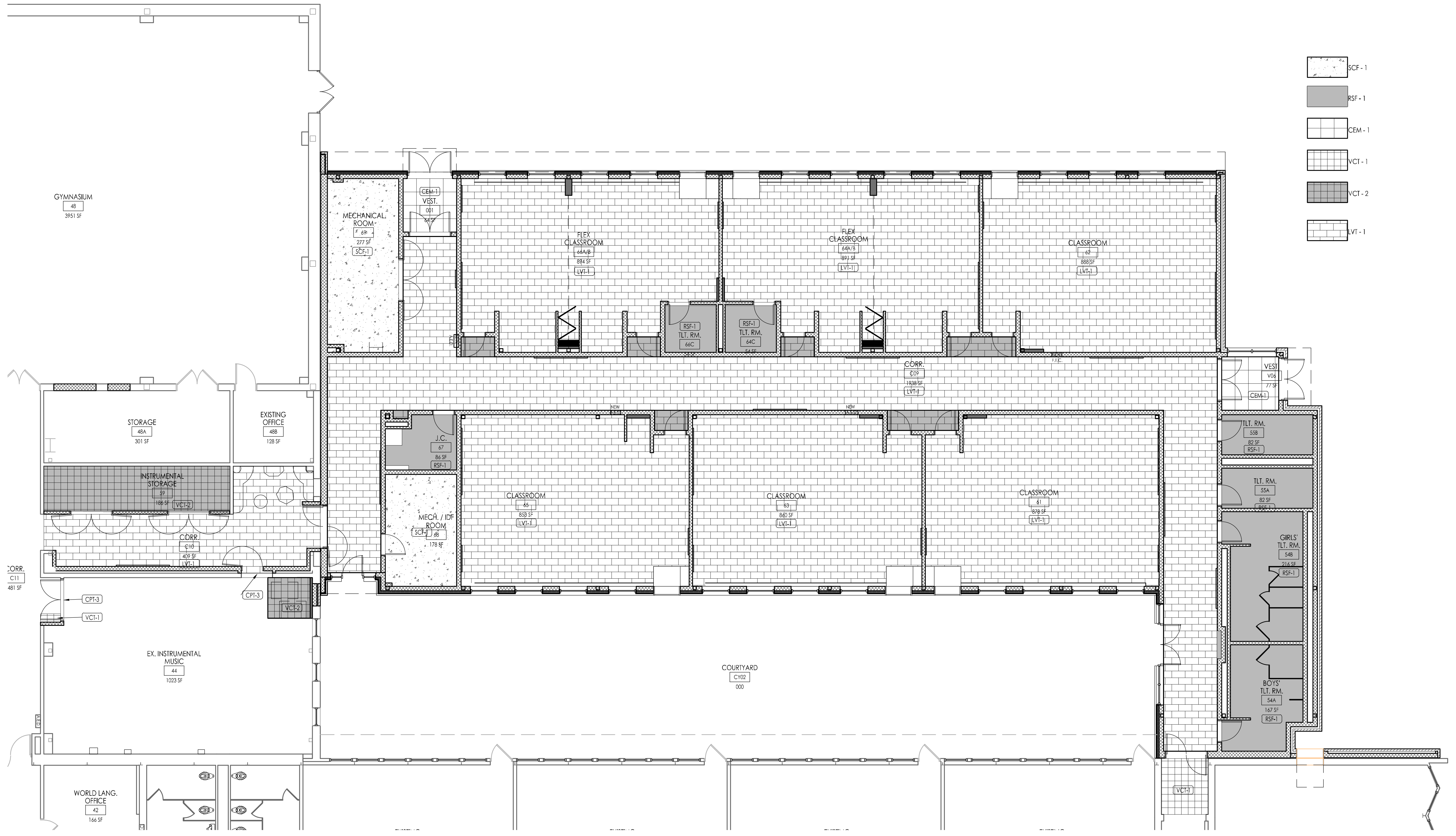
Scale
AS NOTED

Drawing Name
INTERIOR ROOM FLOOR PATTERN LAYOUTS & FINISHES BLOCK 'A'

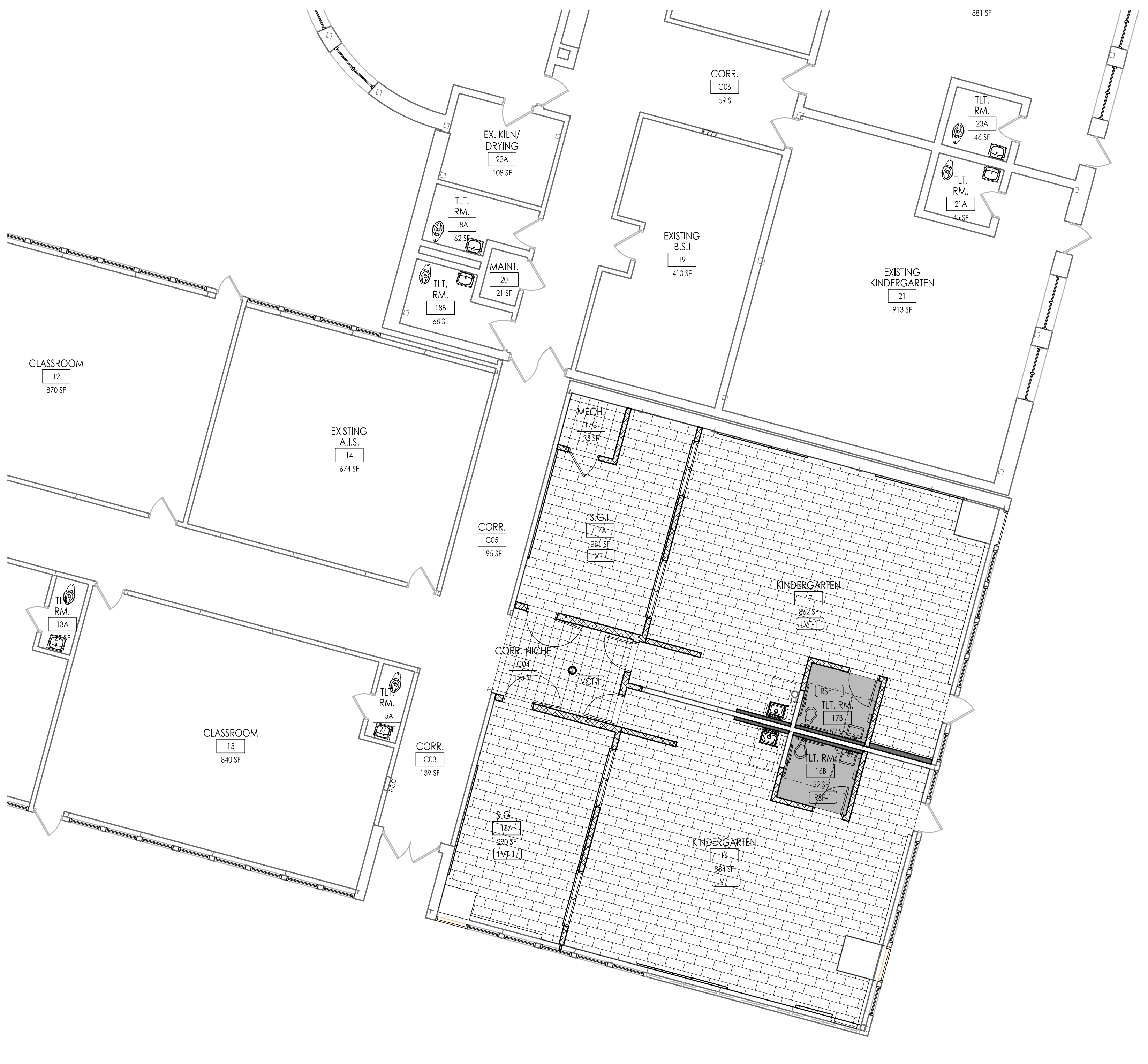
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

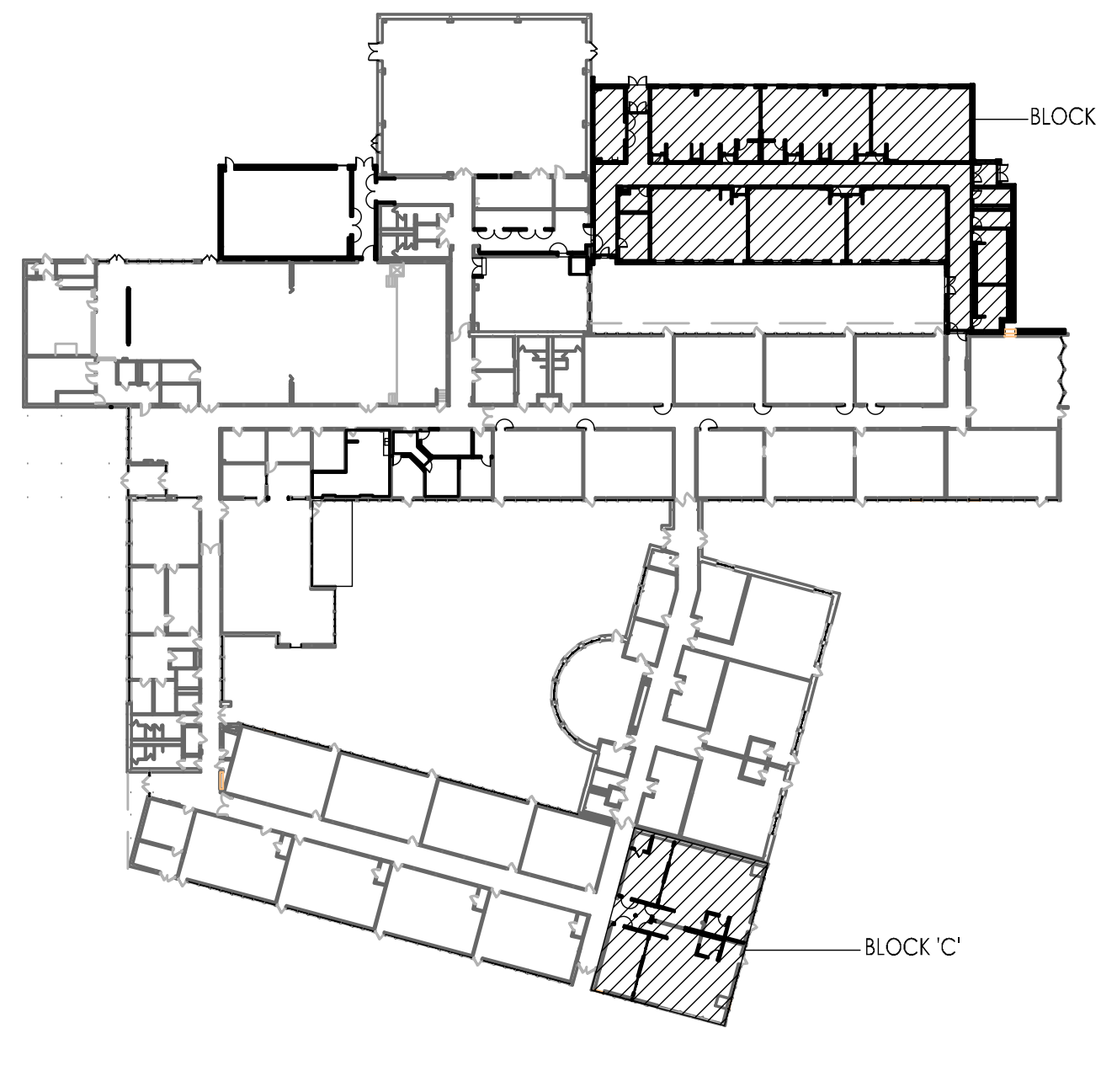
Drawing Number
A701



1 FLOOR PLAN - BLOCK 'B'
1/8" = 1'-0"



2 FLOOR PLAN - BLOCK 'C'
1/8" = 1'-0"



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Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
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F V H D P C . C O M

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
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JASON J. DUBOWITCH, AIA
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STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
2/12/26
Date

Project Name
Addition and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln,
Princeton, NJ
085402

Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

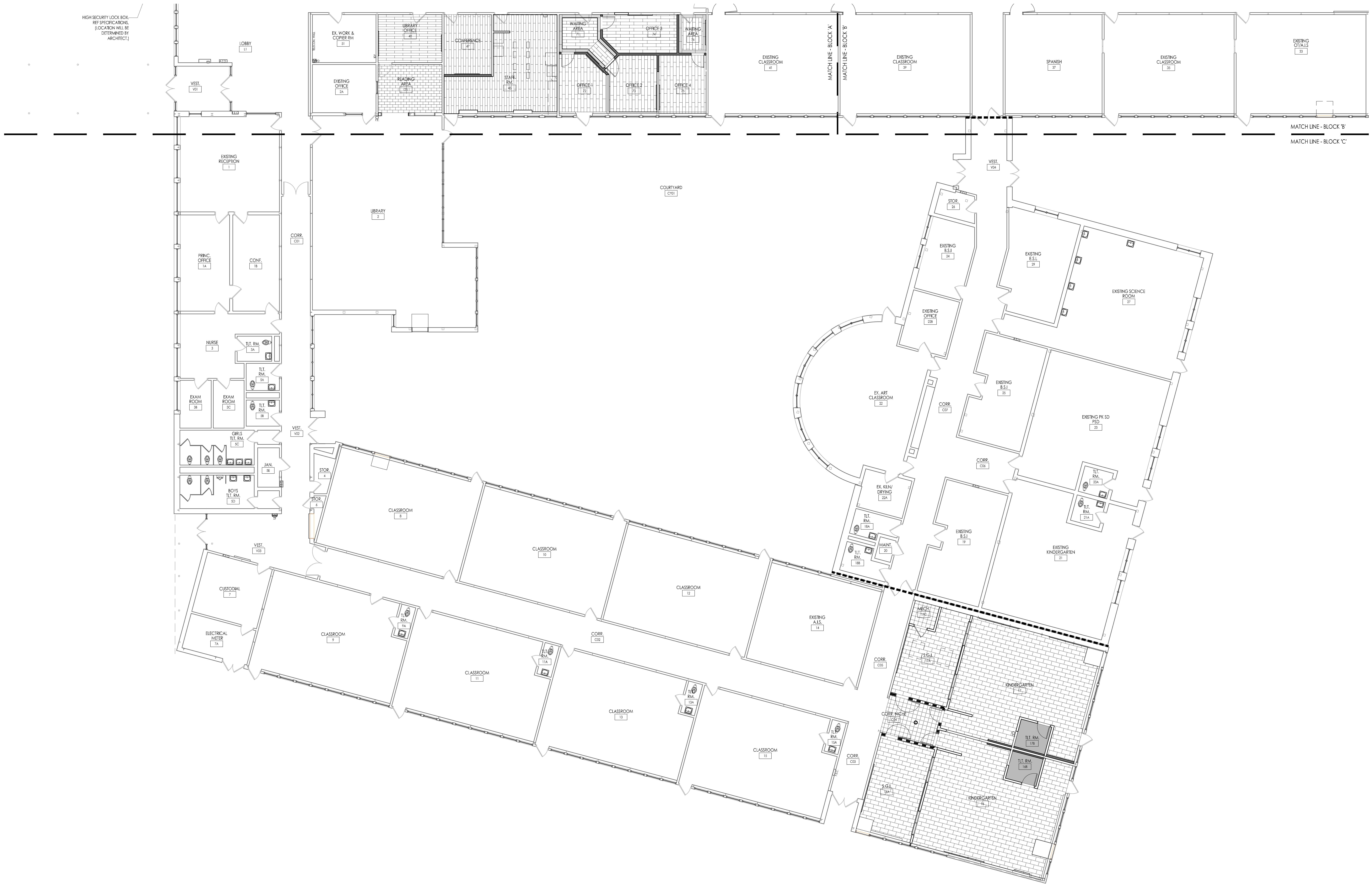
Scale
AS NOTED

Drawing Name
INTERIOR ROOM FLOOR PATTERN LAYOUTS & FINISHES BLOCK 'B' & BLOCK 'C'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A702



FLOOR PLAN - BLOCK 'C'

1/8" = 1'-0"

NJDCA Electronic Release Stamp

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

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Architect

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Project Number
5516D

Project Date
10.10.2025

Checked By
WDH

Drawn By
MJS

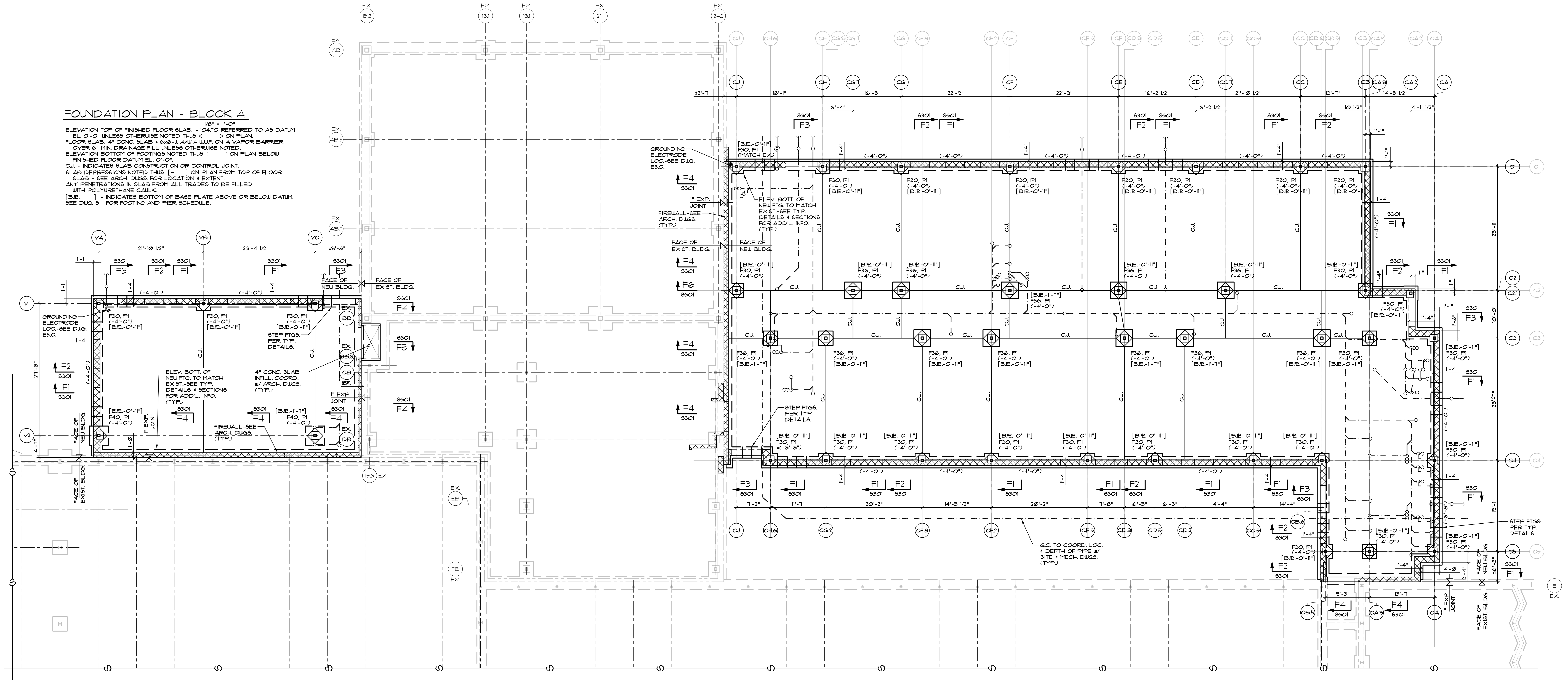
Scale
AS NOTED

Drawing Name
INTERIOR ROOM FLOOR PATTERN LAYOUTS BLOCK 'C'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
1	12.10.25	NJ DCA REVISIONS
2	12.10.25	DESIGN REVISIONS
3	01.02.26	NJ DCA REVISIONS
4	01.02.26	DESIGN REVISIONS
5	01.23.26	NJ DCA REVISIONS

Drawing Number
A703


GROUNDING ELECTRODE LOC.-SEE DWG. E3.0
FIREWALL-SEE ARCH. DWGS. (TYP.)
FACE OF NEW BLDG.
FACE OF EXIST. BLDG.
1" EXP. JOINT
ELEV. BOTT. OF NEW FTG. TO MATCH EXIST.-SEE TYP. DETAILS & SECTIONS FOR ADD'L. INFO. (TYP.)
STEP FTGS. PER TYP. DETAILS.
4" CONC. SLAB INFILL. COORD. w/ ARCH. DWGS. (TYP.)
G.C. TO COORD. LOC. & DEPTH OF PIPE w/ SITE & MECH. DWGS. (TYP.)
C.J.
S301
F1
F2
F3
F4
F5
F6
VA
VB
VC
21'-10 1/2"
23'-4 1/2"
±9'-8"

FOUNDATION PLAN - BLOCK A

1/8" = 1'-0"

ELEVATION TOP OF FINISHED FLOOR SLAB: + 104.70 REFERRED TO AS DATUM EL. 0'-0" UNLESS OTHERWISE NOTED THUS < > ON PLAN.
FLOOR SLAB: 4" CONC. SLAB + 6x6-W1.4xW1.4 W.W.F. ON A VAPOR BARRIER OVER 6" MIN. DRAINAGE FILL UNLESS OTHERWISE NOTED.
ELEVATION BOTTOM OF FOOTINGS NOTED THUS ( ) ON PLAN BELOW FINISHED FLOOR DATUM EL. 0'-0".
C.J. - INDICATES SLAB CONSTRUCTION OR CONTROL JOINT.
SLAB DEPRESSIONS NOTED THUS [–] ON PLAN FROM TOP OF FLOOR SLAB - SEE ARCH. DWGS. FOR LOCATION & EXTENT.
ANY PENETRATIONS IN SLAB FROM ALL TRADES TO BE FILLED WITH POLYURETHANE CAULK.
[B.P.] - INDICATES BOTTOM OF BASE PLATE ABOVE OR BELOW DATUM.
SEE DWG. S FOR FOOTING AND PIER SCHEDULE.

FOUNDATION PLAN - BLOCK B

1/8" = 1'-0"

ELEVATION TOP OF FINISHED FLOOR SLAB: + 104.72 REFERRED TO AS DATUM EL. 0'-0" UNLESS OTHERWISE NOTED THUS < > ON PLAN.
FLOOR SLAB: 4" CONC. SLAB + 6x6-W1.4xW1.4 W.W.F. ON A VAPOR BARRIER OVER 6" MIN. DRAINAGE FILL UNLESS OTHERWISE NOTED.
ELEVATION BOTTOM OF FOOTINGS NOTED THUS ( ) ON PLAN BELOW FINISHED FLOOR DATUM EL. 0'-0".
C.J. - INDICATES SLAB CONSTRUCTION OR CONTROL JOINT.
SLAB DEPRESSIONS NOTED THUS [–] ON PLAN FROM TOP OF FLOOR SLAB - SEE ARCH. DWGS. FOR LOCATION & EXTENT.
ANY PENETRATIONS IN SLAB FROM ALL TRADES TO BE FILLED WITH POLYURETHANE CAULK.
[B.P.] - INDICATES BOTTOM OF BASE PLATE ABOVE OR BELOW DATUM.
SEE DWG. S FOR FOOTING AND PIER SCHEDULE.

NOTE:
SUB-GRADE TO BE BROUGHT UP TO BOTTOM OF FOOTING ELEVATION WITH APPORVED STRUCTURAL FILL.CONTRACTOR IS TO REFERENCE GEOTECHNICAL REPORT BY "INGRAM ENGINEERING SERICES", INC. DATED MAY, 2025 FOR HOW TO PLACE AND THE REQUIREMENTS OF THE STRUCTURAL FILL.

NOTE:
1. STEP ALL FOOTINGS AT ALL PIPES & CONDUITS, SEE TYPICAL DETAIL.
2. G.C. TO CONFIRM ALL LOCATIONS AND INVERTS OF PIPES WITH MECHANICAL & ELECTRICAL CONTRACTORS.
3. THE FOUNDATION DRAWINGS SHOW ONLY GENERAL LOCATIONS AND MAY NOT INCLUDE ALL PENETRATIONS. G.C. TO SEE MECHANICAL DRAWINGS FOR FULL EXTENT OF PIPE PENETRATIONS.

NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE GROUNDING ELECTRODE SYSTEM AS REQUIRED BY NEC SECTION 250-50a.
COORDINATE LOCATION WITH GENERAL CONTRACTOR

NOTE:
GENERAL CONTRACTOR TO LAYOUT DIMENSIONS OF COLUMN CENTERLINES AT THE BEGINNING OF THE PROJECT AND IS TO NOTIFY THE ARCHITECT AND STEEL CONTRACTOR OF ANY DEVIATIONS FROM THE CONTRACT DRAWINGS. SEE S-1 FOR FOOTING AND PIER SCHEDULES.

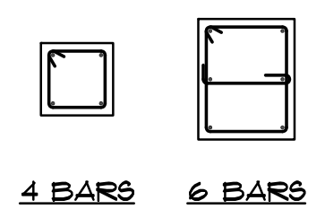
FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
F30	3'-0" x 3'-0" x 12"	(3) - #4's E.W. BOTT.
F36	3'-6" x 3'-6" x 12"	(4) - #5's E.W. BOTT.
F40	4'-0" x 4'-0" x 12"	(4) - #5's E.W. BOTT.

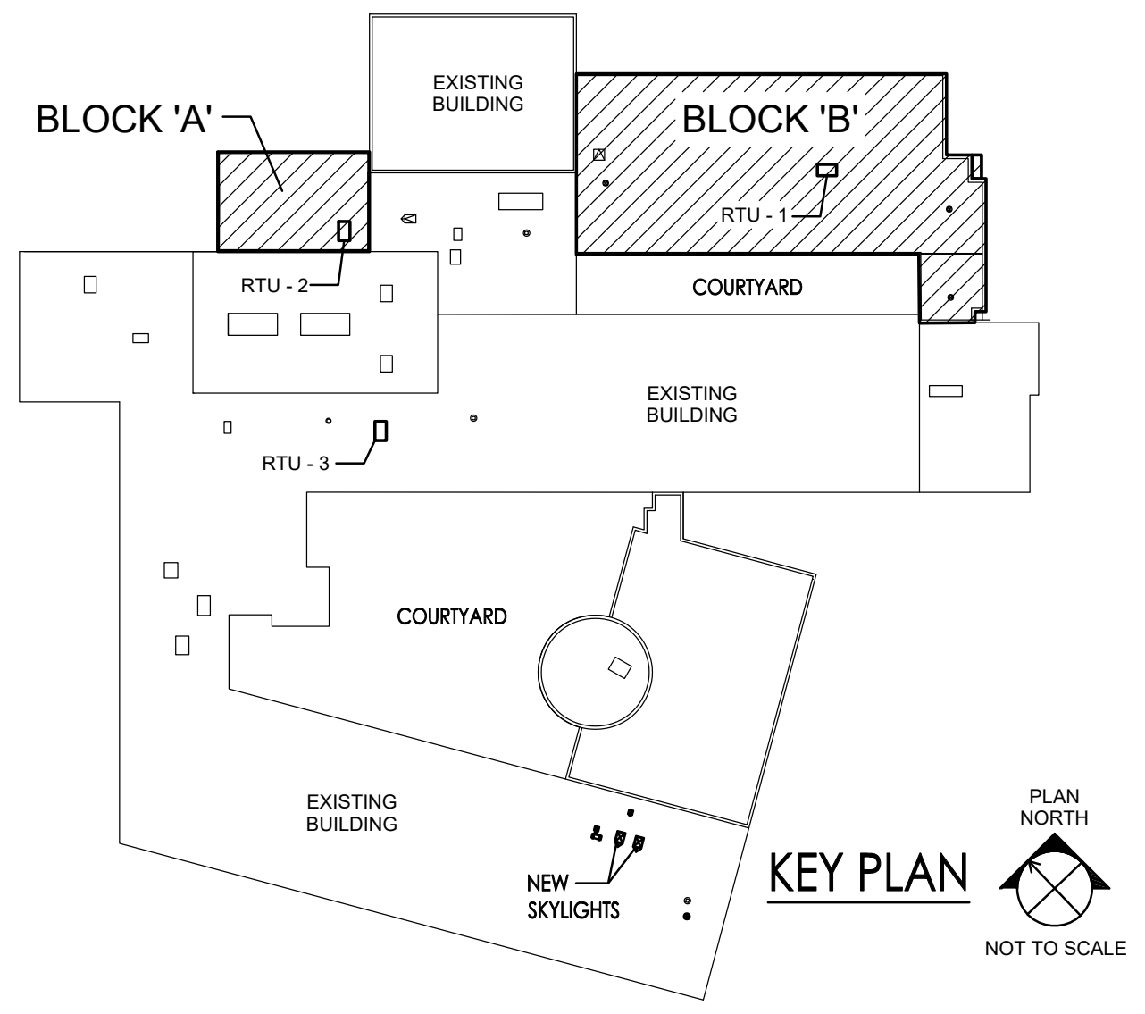
PIER SCHEDULE

MARK	SIZE	REINFORCEMENT	REMARKS
P1	18" x 18"	(4) - #6's VERT.	
P2	20" x 20"	(6) - #6's VERT.	

NOTE:
ALL PIERS TO HAVE # 3 TIES @ 12" o.c. (TYPICAL).
PROVIDE BRICKSHELF AS REQUIRED. SEE TYPICAL BRICKSHELF DETAIL ON DRAWING S-610.



TIE ARRANGEMENTS



KEY PLAN

Harrison - Hamnett, P.C.
Consulting Structural Engineers
40 Knowles Street Pennington, New Jersey 08534
Ph: 609-818-1808 www.hhpccse.com

2 / 12 / 26
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

Drawing name: D:\Jobs\25118 - Littlebrook Elementary School 5516D - FVHD\25118 - Plans.dwg
Date: Feb 12, 2026 - 7:59pm

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
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Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Additions and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln.
Princeton, NJ
08540

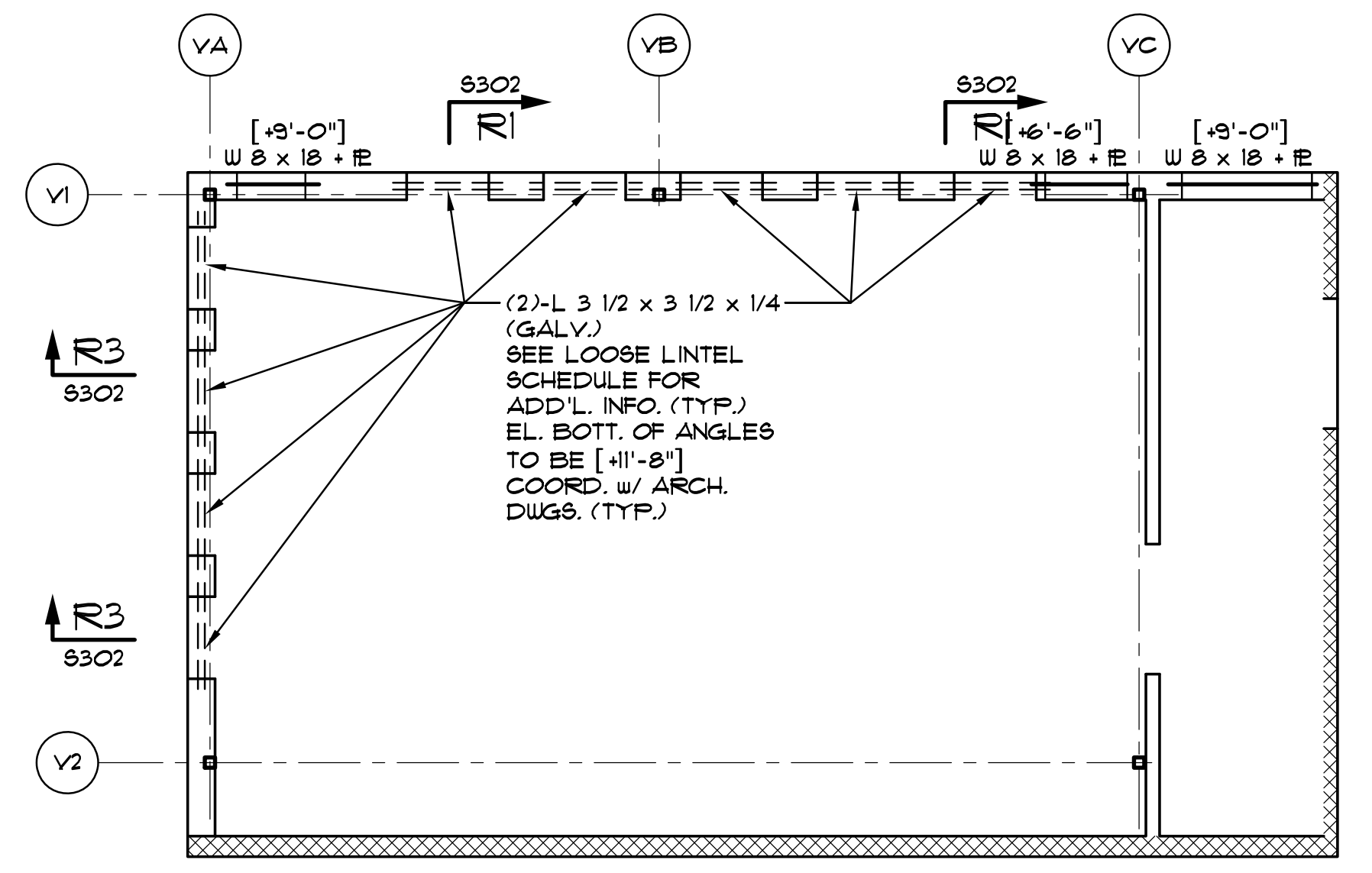
Project Number
5516D
Project Date
10.10.2025
Checked By
DH
Drawn By
RC
Scale
As Noted

Drawing Name
FOUNDATION PLAN
BLOCK 'A' - BLOCK 'B'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.09.25	NJ DCA RESPONSES
	02.13.26	BID SET

Drawing Number
S101


VA
VB
VC
V1
V2
S302
R1
[+5'-0"]
W 8 x 18 + ℄
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.) EL. BOTT. OF ANGLES TO BE [+11'-8"] COORD. w/ ARCH. DWGS. (TYP.)
R3
S302

LINTEL FRAMING PLAN - - BLOCK A

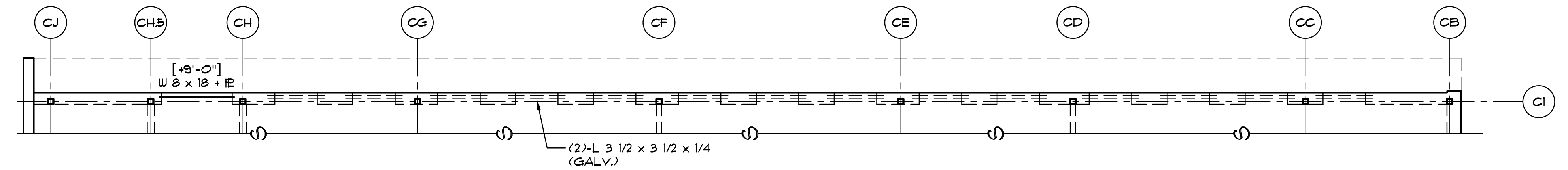
1/8" = 1'-0"

[ ] - INDICATES ELEVATION BOTTOM OF ANGLES.
COORD. w/ ARCH. DWGS..

LINTEL FRAMING PLAN - BLOCK B

1/8" = 1'-0"

[ ] - INDICATES ELEVATION BOTTOM OF ANGLES.
COORD. w/ ARCH. DWGS..


CJ
CH.5
CH
CG
CF
CE
CD
CC
CB
C1
[+5'-0"]
W 8 x 18 + ℄
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.) EL. BOTT. OF ANGLES TO BE [+5'-0"] COORD. w/ ARCH. DWGS. (TYP.)

ROOF FRAMING PLAN - BLOCK A

1/8" = 1'-0"

ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN
ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE 'BA' ACOUSTICAL METAL ROOF DECK. (GALV.)
PROVIDE FRAME AROUND ALL ROOF DRAINS & AT ALL OTHER ROOF OPENINGS
LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.
[ ] - INDICATES ELEVATION BOTTOM OF ℄ AT BEAM + ℄ LINTEL AND
BOTTOM OF ANGLE AT BEAM + L's LINTEL. SEE ARCH. DWGS..
(S) - INDICATES SLOPING MEMBER.

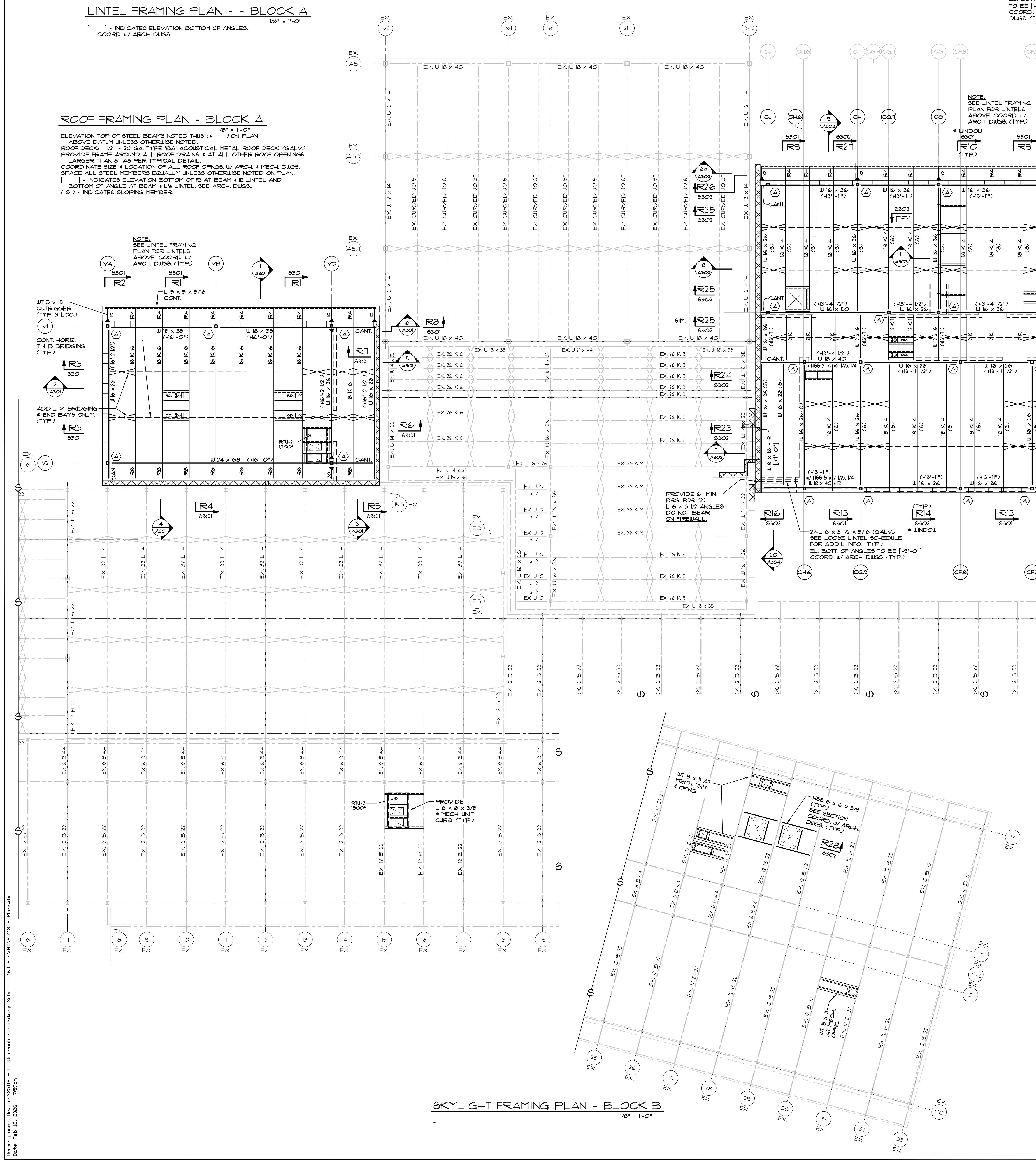
NOTE:
SEE LINTEL FRAMING PLAN FOR LINTELS ABOVE. COORD. w/ ARCH. DWGS. (TYP.)

ROOF FRAMING PLAN - BLOCK B

1/8" = 1'-0"

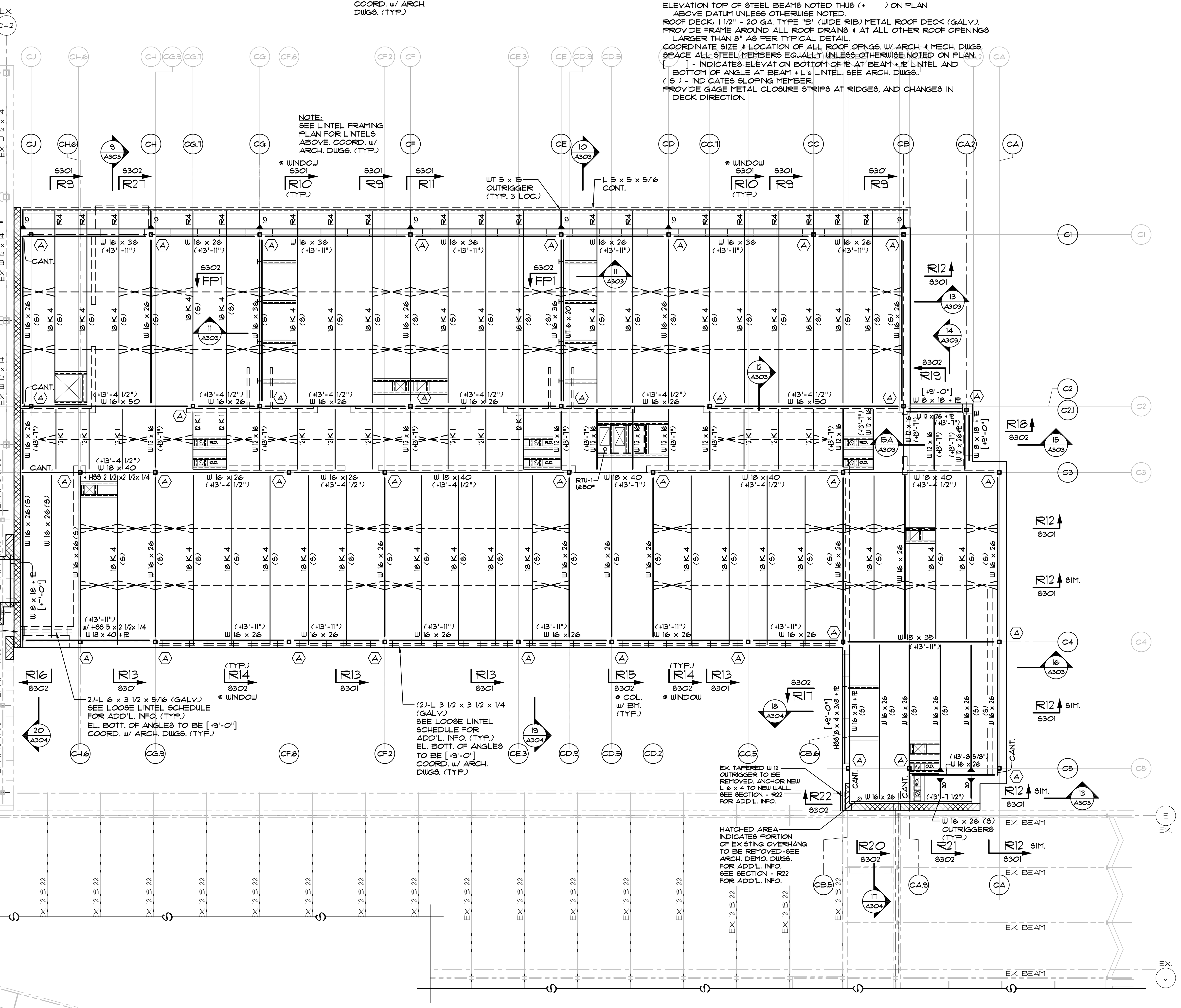
ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN
ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.).
PROVIDE FRAME AROUND ALL ROOF DRAINS & AT ALL OTHER ROOF OPENINGS
LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.
[ ] - INDICATES ELEVATION BOTTOM OF ℄ AT BEAM + ℄ LINTEL AND
BOTTOM OF ANGLE AT BEAM + L's LINTEL. SEE ARCH. DWGS..
(S) - INDICATES SLOPING MEMBER.
PROVIDE GAGE METAL CLOSURE STRIPS AT RIDGES, AND CHANGES IN
DECK DIRECTION.

NOTE:
SEE LINTEL FRAMING PLAN FOR LINTELS ABOVE. COORD. w/ ARCH. DWGS. (TYP.)


WT 5 x 15 OUTRIGGER (TYP. 3 LOC.)
L 5 x 5 x 5/16 CONT.
CONT. HORIZ. T & B BRIDGING. (TYP.)
ADD'L. X-BRIDGING @ END BAYS ONLY. (TYP.)
W 18 x 35 (+16'-0")
W 24 x 68 (+16'-0")
RTU-2 (1,100#)
CANT.
EX. CURVED JOIST
EX. W 18 x 40
EX. 26 K 9
PROVIDE 6" MIN. BRG. FOR (2) L 6 x 3 1/2 ANGLES DO NOT BEAR ON FIREWALL.
RTU-3 (1,500#)
PROVIDE L 6 x 6 x 3/8 @ MECH. UNIT CURB. (TYP.)
EX. 12 B 22
EX. 8 B 44
WT 5 x 11 AT MECH. UNIT & OPNG.
HSS 6 x 6 x 3/8 (TYP.) SEE SECTION COORD. w/ ARCH. DWGS. (TYP.)
R28
S302

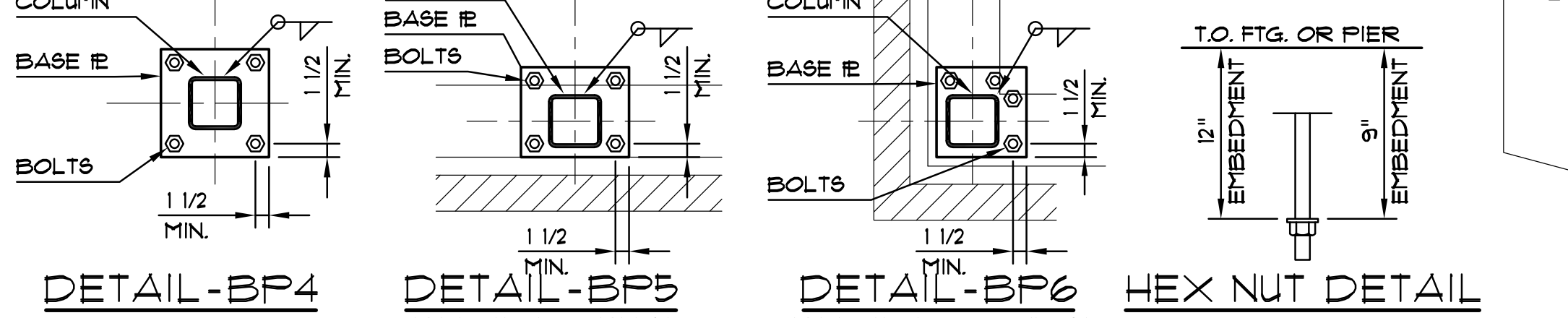
SKYLIGHT FRAMING PLAN - BLOCK B

1/8" = 1'-0"


WT 5 x 15 OUTRIGGER (TYP. 3 LOC.)
L 5 x 5 x 5/16 CONT.
@ WINDOW
S301
R10 (TYP.)
R9
W 16 x 36
W 16 x 26
18 K 4
RTU-1 (1,650#)
(2)-L 3 1/2 x 3 1/2 x 5/16 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.) EL. BOTT. OF ANGLES TO BE [+5'-0"] COORD. w/ ARCH. DWGS. (TYP.)
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.) EL. BOTT. OF ANGLES TO BE [+5'-0"] COORD. w/ ARCH. DWGS. (TYP.)
EX. TAPERED W 12 OUTRIGGER TO BE REMOVED. ANCHOR NEW L 6 x 4 TO NEW WALL. SEE SECTION - R22 FOR ADD'L. INFO.
HATCHED AREA INDICATES PORTION OF EXISTING OVERHANG TO BE REMOVED-SEE ARCH DEMO. DWGS. FOR ADD'L. INFO. SEE SECTION - R22 FOR ADD'L. INFO.
W 16 x 26 (S) OUTRIGGERS (TYP.)
EX. BEAM

COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	ANCHOR BOLTS	B.℄. TYPE
A	HSS 6 x 6 x 3/8	3/4" x 12" x 1'-0"	(4) - 3/4" ϕ	

NOTES:
1. BOTTOM OF BASE PLATES TO BE -7" BELOW DATUM ELEVATION UNLESS OTHERWISE NOTED THUS [B.℄.] ON PLAN FROM DATUM.
2. ALL COLUMNS TO HAVE (4) - 3/4" ϕ ASTM F1554, GRADE 36 ANCHOR BOLTS WITH 9" MIN. EMBEDMENT WITH HEAVY HEX NUTS UNLESS OTHERWISE NOTED. (SEE DETAIL)
3. ALL 1" ϕ ANCHOR BOLTS TO HAVE MINIMUM 12" EMBEDMENT AND HEAVY HEX NUTS AT THIER EMBEDDED ENDS AS PER 'AISC' UNLESS OTHERWISE NOTED. (SEE DETAIL)
4. ALL TS COLUMNS TO BE Fy = 46 K.S.I.
5. ALL TS COLUMNS TO HAVE CAP PLATES:
3/4" THICK @ BEAM BEARING
1/2" THICK @ JOIST BEARING
ALL OTHERS 1/4" THICK U.O.N.
6. WHERE ANY FACE OF COLUMN ABUTS MASONRY WALLS, PROVIDE ADJUSTABLE MASONRY ANCHORS @ 24" O.C. VERTICALLY. OMIT MASONRY ANCHORS AT FIRE WALLS.
7. ALL STEEL COLUMNS SUPPORTING CANTILEVER MEMBERS TO HAVE 3/4" TOP PLATES W/ (4) 3/4"ϕ A325 BOLTS U.O.N.
8. PROVIDE DOUBLE ANGLE CONNECTIONS AT ALL BEAM TO WIDE FLANGE COLUMN CONNECTIONS AND BEAM TO BEAM CONNECTIONS.
9. SEE TYPICAL THRU-℄ DETAIL FOR BEAM TO TUBE COLUMN CONNECTIONS
10. ⬡ - INDICATES THE POINT AT WHICH A STEEL COLUMN TERMINATES. COORDINATE THE HEIGHT OF STEEL WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

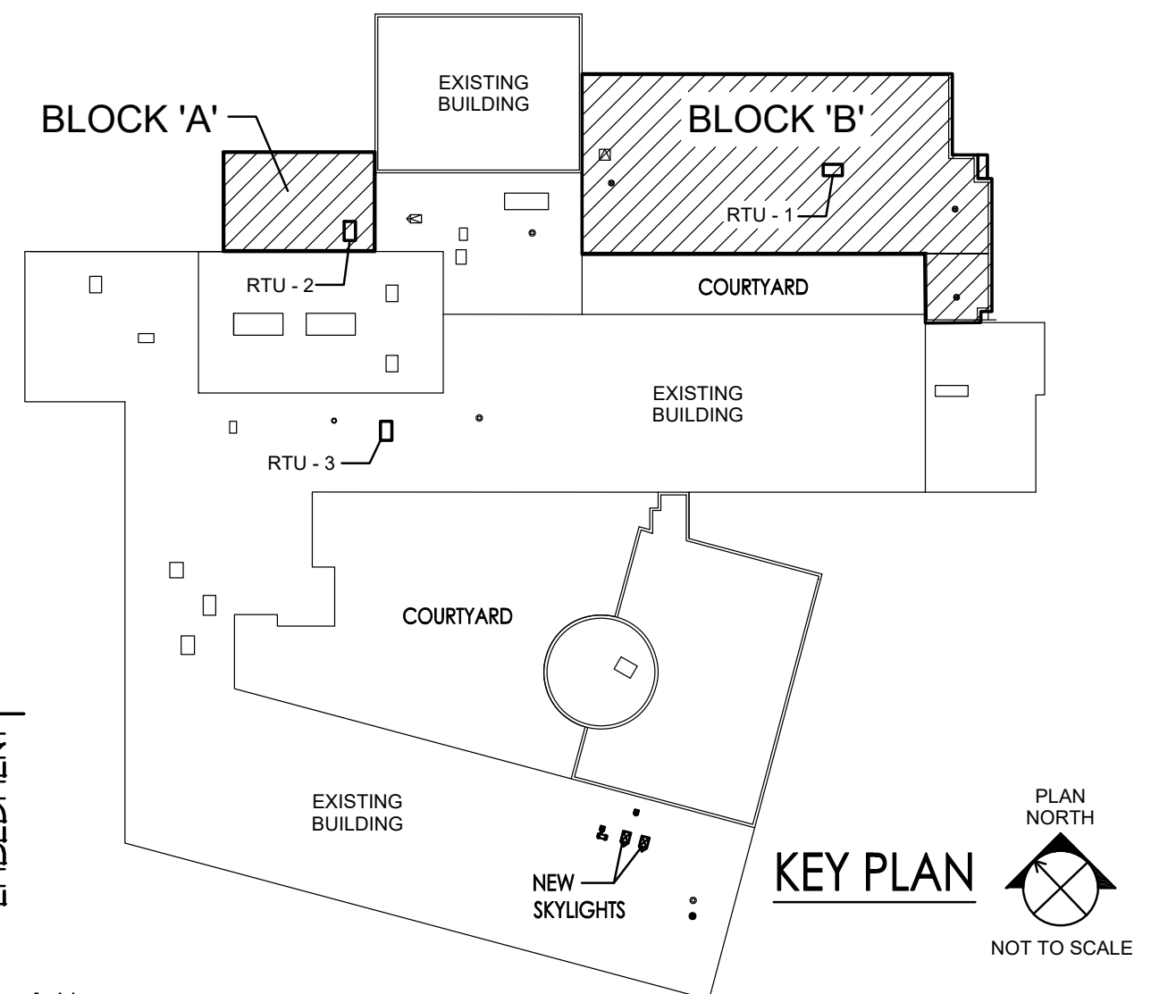


DETAIL-BP4

DETAIL-BP5
(AT EXTERIOR WALLS)

DETAIL-BP6
(AT EXTERIOR CORNERS)

HEX NUT DETAIL



KEY PLAN

NOT TO SCALE

Harrison - Hamnett, P.C.
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Ph: 609-818-1808 www.hhpccse.com

MARK W. GAFFNEY, N.J.P.E. #24GE04284100
2 / 12 / 26
DATE

Drawing name: D:\Jobs\25118 - Littlebrook Elementary School 5516D - FVHD\25118 - Plans.dwg
Date: Feb 12, 2026 - 7:59pm

NJDCA Electronic Release Stamp

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NJ - 21AI02003100 | PA - RA410435

Architect
10/10/25
Date

Project Name
Additions and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln.
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

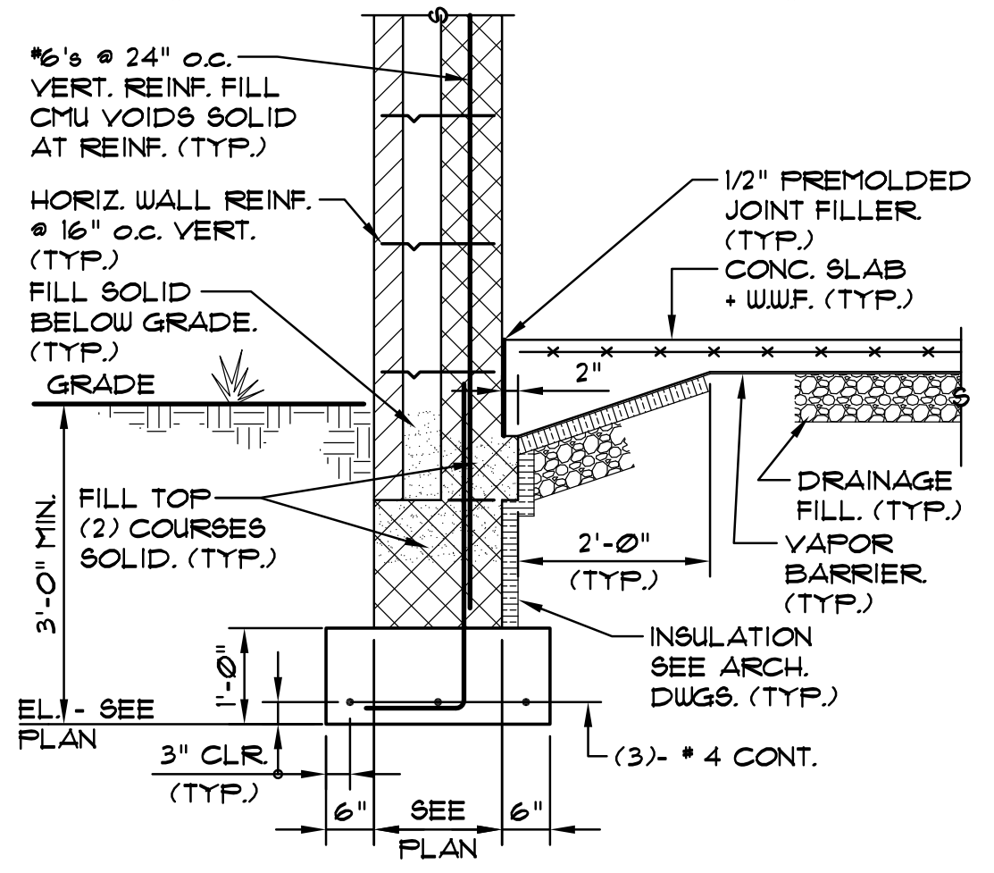
Scale
As Noted

Drawing Name
ROOF FRAMING PLAN
BLOCK 'A' - BLOCK 'B'

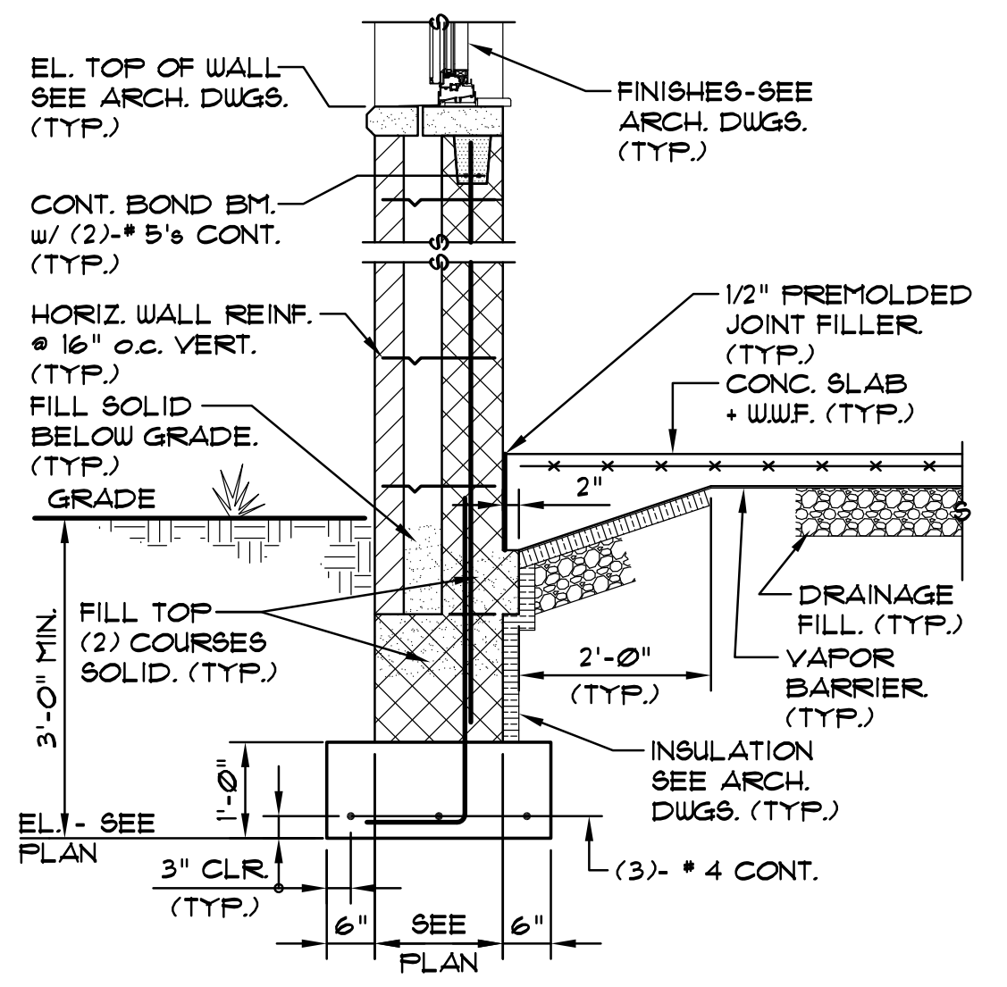
Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.09.25	NJ DCA RESPONSES
	02.13.26	BID SET

Drawing Number
S201

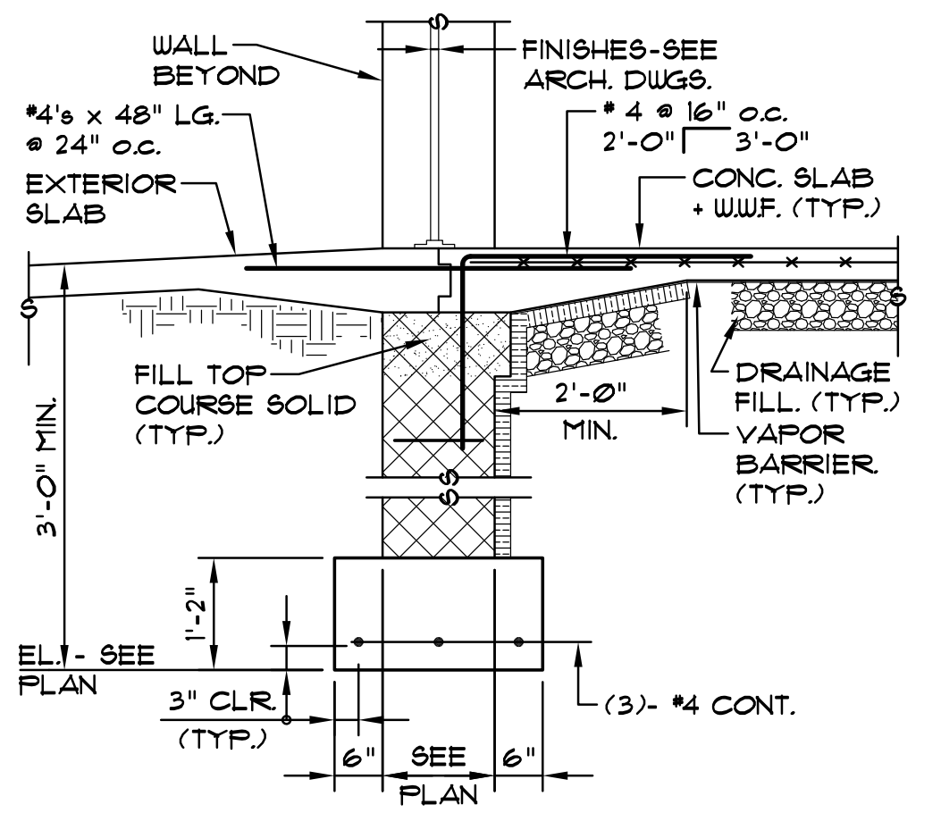
G.C. NOTE:
BLOCK COURSING DOES NOT ALIGN w/ DATUM EL. 0'-0".
COORD. BLOCK COURSING w/ ARCH. DWGS. & EXISTING BLDG. (TYP.)


#6's @ 24" o.c. VERT. REINF. FILL CMU VOIDS SOLID AT REINF. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
FILL SOLID BELOW GRADE. (TYP.)
GRADE
FILL TOP (2) COURSES SOLID. (TYP.)
3'-0" MIN.
1'-0"
EL. - SEE PLAN
3" CLR. (TYP.)
6"
SEE PLAN
6"
1/2" PREMOLDED JOINT FILLER. (TYP.)
CONC. SLAB + W.W.F. (TYP.)
2"
DRAINAGE FILL. (TYP.)
2'-0" (TYP.)
VAPOR BARRIER. (TYP.)
INSULATION SEE ARCH. DWGS. (TYP.)
(3)- #4 CONT.

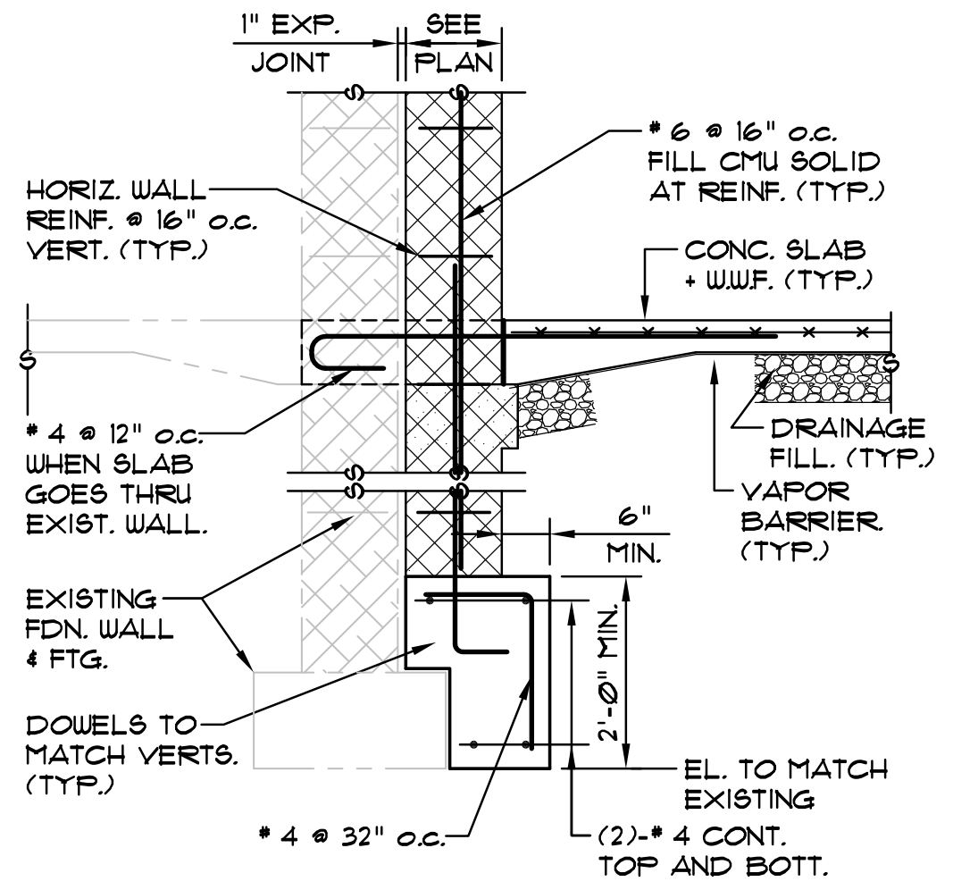
SECTION - F1
1/2"=1'-0"


EL. TOP OF WALL SEE ARCH. DWGS. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-#5's CONT. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
FILL SOLID BELOW GRADE. (TYP.)
GRADE
FILL TOP (2) COURSES SOLID. (TYP.)
3'-0" MIN.
1'-0"
EL. - SEE PLAN
3" CLR. (TYP.)
6"
SEE PLAN
6"
1/2" PREMOLDED JOINT FILLER. (TYP.)
CONC. SLAB + W.W.F. (TYP.)
2"
DRAINAGE FILL. (TYP.)
2'-0" (TYP.)
VAPOR BARRIER. (TYP.)
INSULATION SEE ARCH. DWGS. (TYP.)
(3)- #4 CONT.

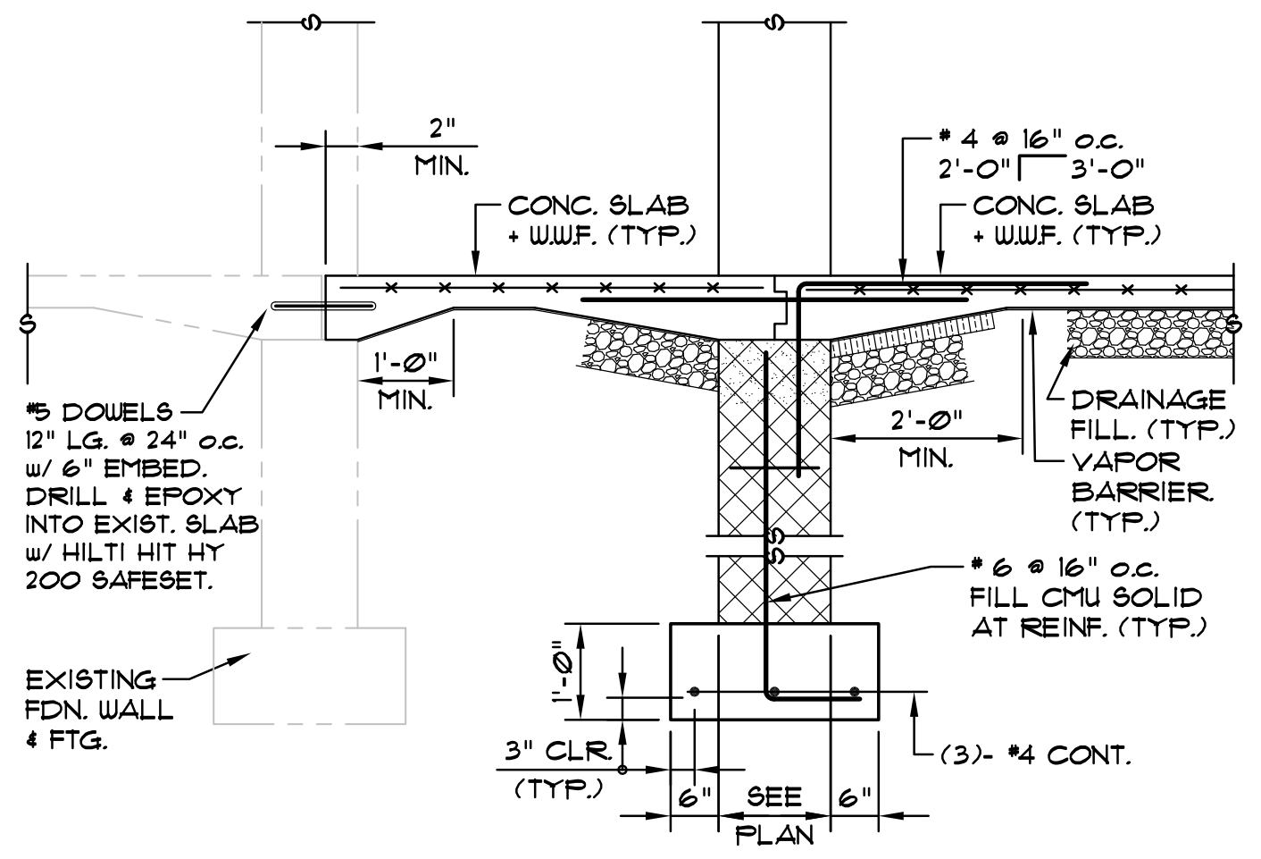
SECTION - F2
1/2"=1'-0"



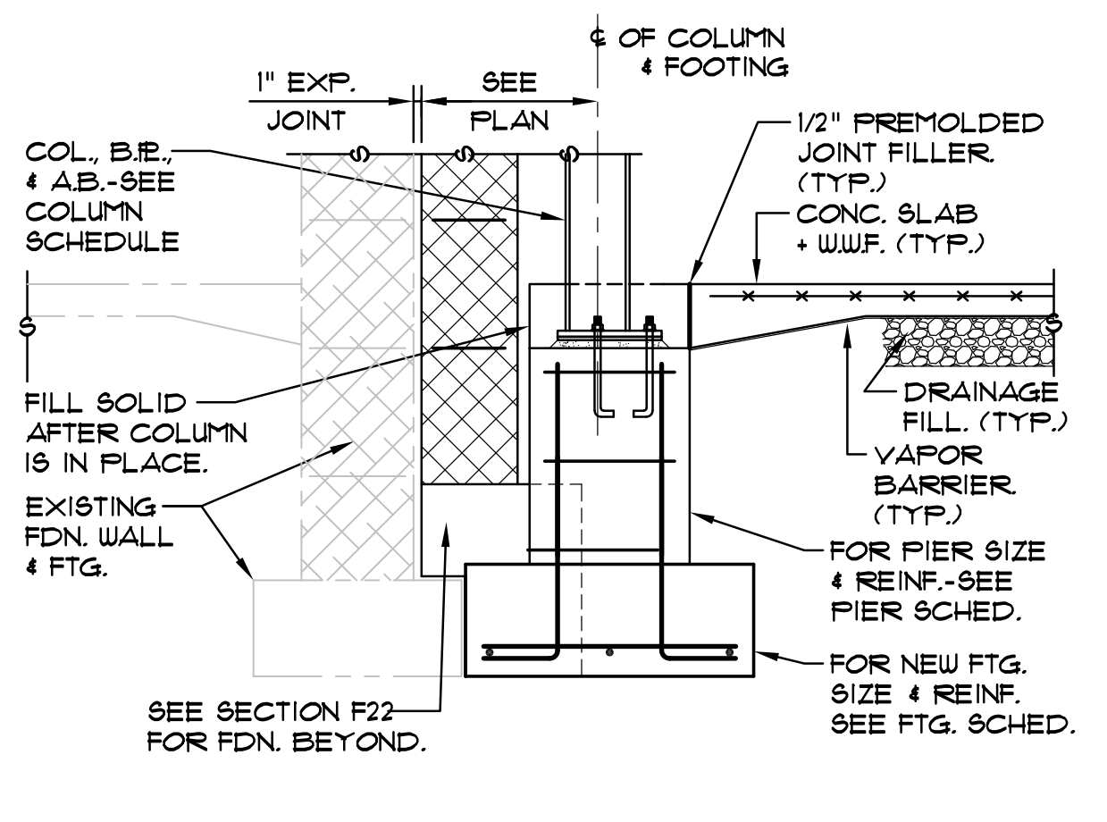
SECTION - F3
1/2"=1'-0"


1" EXP. JOINT
SEE PLAN
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
# 6 @ 16" o.c. FILL CMU SOLID AT REINF. (TYP.)
CONC. SLAB + W.W.F. (TYP.)
# 4 @ 12" o.c. WHEN SLAB GOES THRU EXIST. WALL.
DRAINAGE FILL. (TYP.)
VAPOR BARRIER. (TYP.)
6" MIN.
EXISTING FDN. WALL & FTG.
2'-0" MIN.
DOWELS TO MATCH VERTS. (TYP.)
EL. TO MATCH EXISTING
# 4 @ 32" o.c.
(2)-# 4 CONT. TOP AND BOTT.

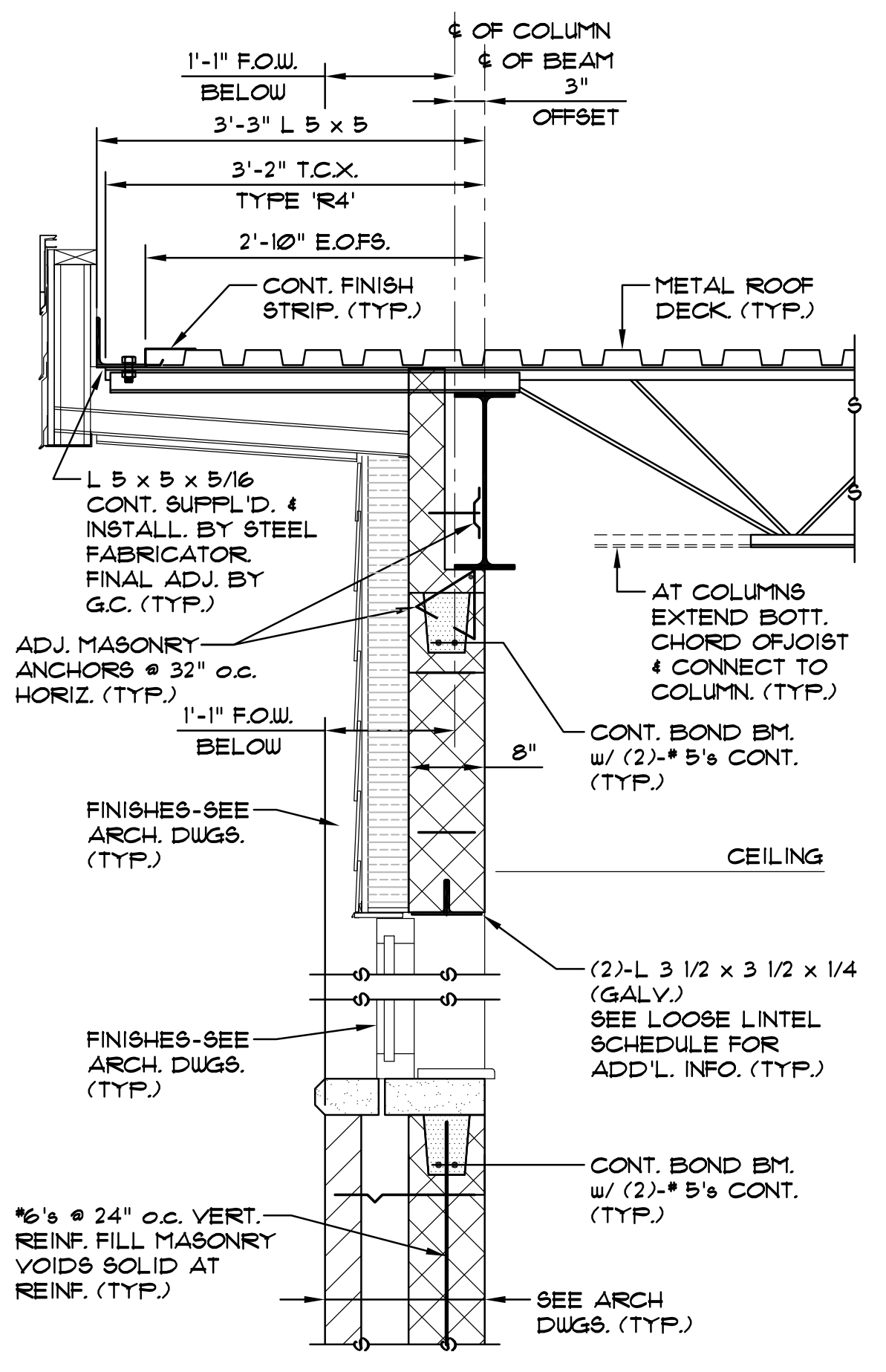
SECTION - F4
1/2"=1'-0"


2" MIN.
CONC. SLAB + W.W.F. (TYP.)
# 4 @ 16" o.c.
2'-0"
3'-0"
CONC. SLAB + W.W.F. (TYP.)
1'-0" MIN.
#5 DOWELS 12" LG. @ 24" o.c. w/ 6" EMBED. DRILL & EPOXY INTO EXIST. SLAB w/ HILTI HIT HY 200 SAFESET.
2'-0" MIN.
DRAINAGE FILL. (TYP.)
VAPOR BARRIER. (TYP.)
# 6 @ 16" o.c. FILL CMU SOLID AT REINF. (TYP.)
EXISTING FDN. WALL & FTG.
1'-0"
3" CLR. (TYP.)
6"
SEE PLAN
6"
(3)- #4 CONT.

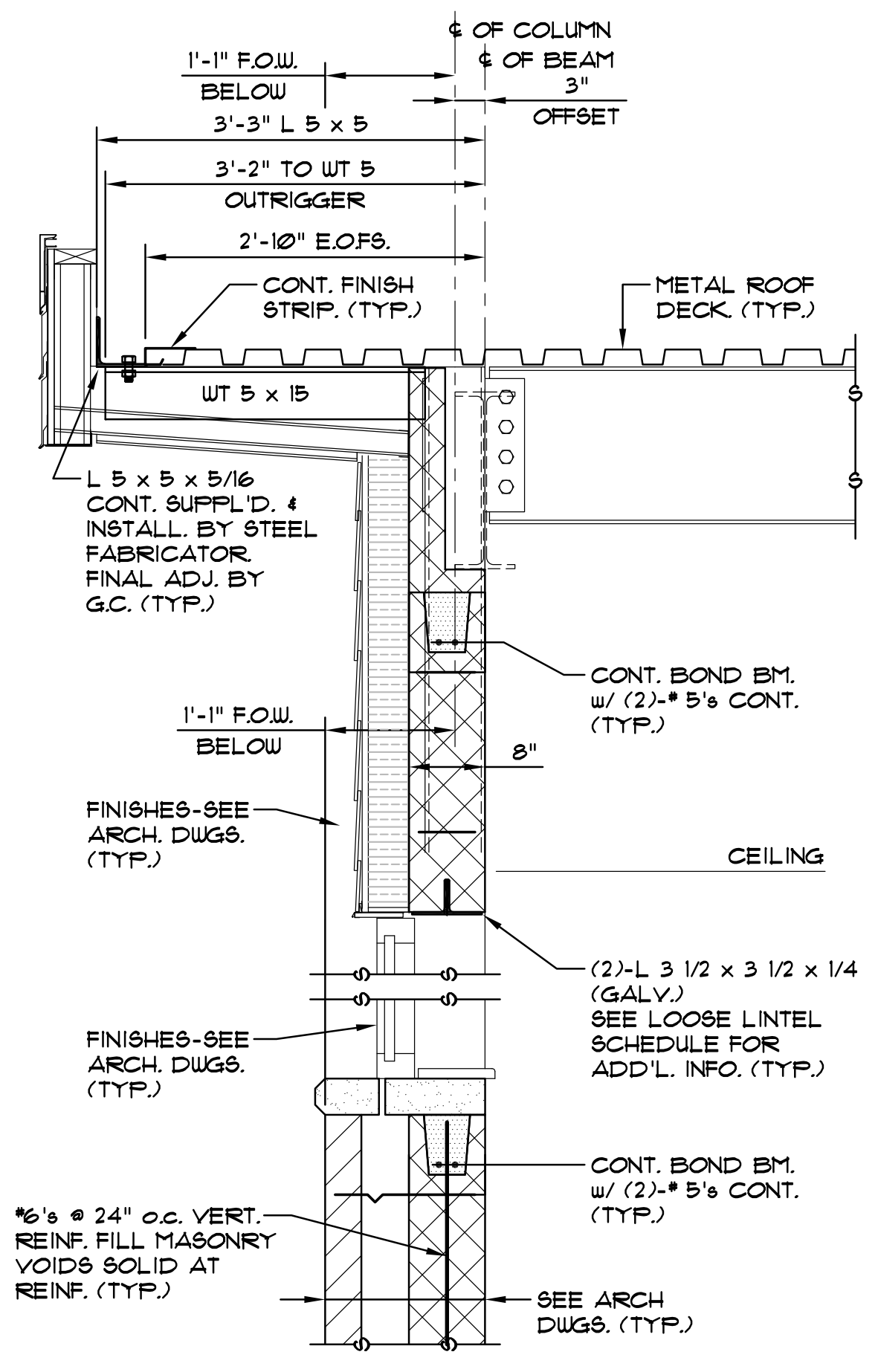
SECTION - F5
1/2"=1'-0"


℄ OF COLUMN & FOOTING
1" EXP. JOINT
SEE PLAN
COL., B.P., & A.B.-SEE COLUMN SCHEDULE
1/2" PREMOLDED JOINT FILLER. (TYP.)
CONC. SLAB + W.W.F. (TYP.)
FILL SOLID AFTER COLUMN IS IN PLACE.
DRAINAGE FILL. (TYP.)
VAPOR BARRIER. (TYP.)
EXISTING FDN. WALL & FTG.
FOR PIER SIZE & REINF.-SEE PIER SCHED.
FOR NEW FTG. SIZE & REINF. SEE FTG. SCHED.
SEE SECTION F22 FOR FDN. BEYOND.

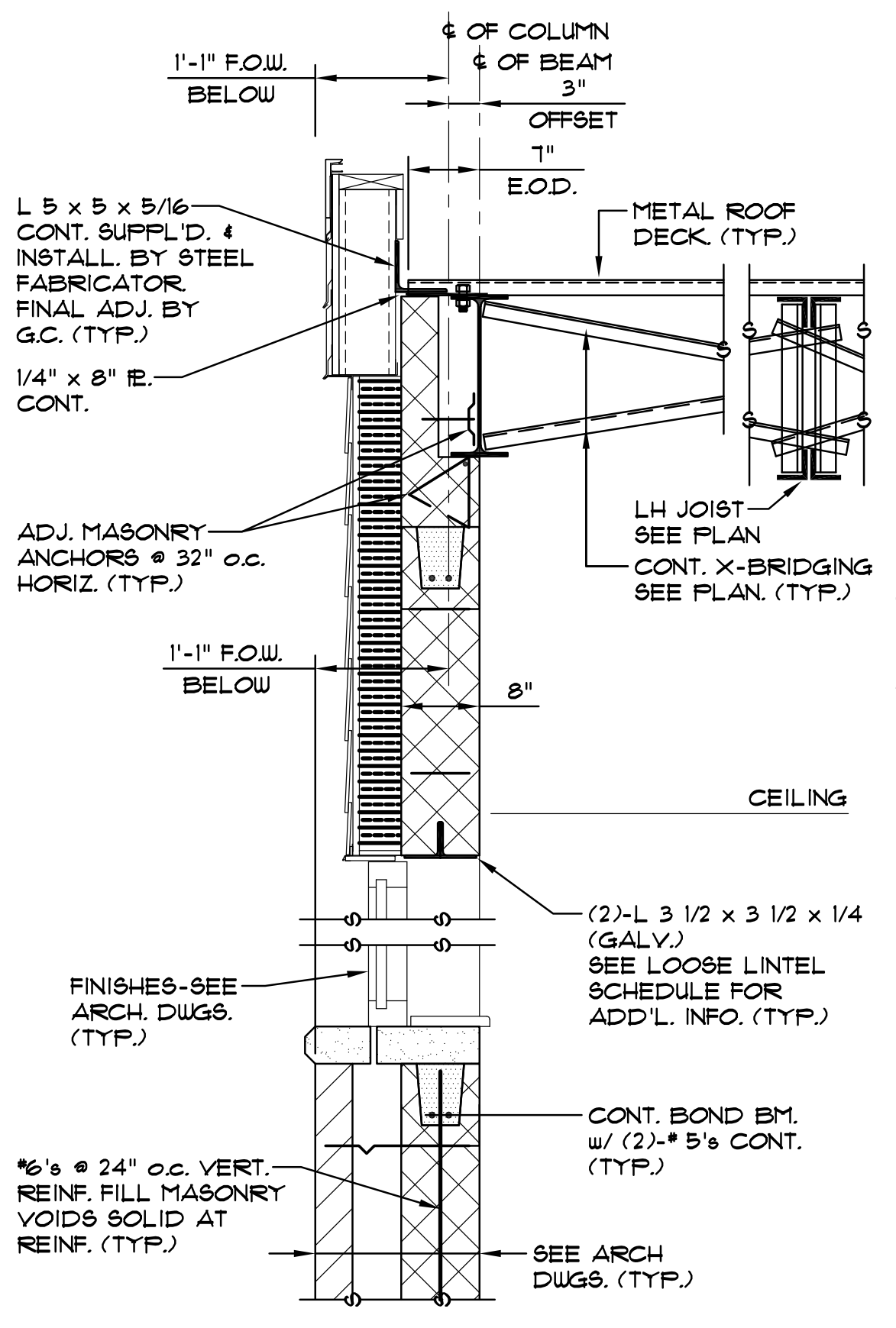
SECTION - F6
1/2"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3" OFFSET
3'-3" L 5 x 5
3'-2" T.C.X. TYPE 'R4'
2'-10" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
AT COLUMNS EXTEND BOTT. CHORD OFJOIST & CONNECT TO COLUMN. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
1'-1" F.O.W. BELOW
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
8"
FINISHES-SEE ARCH. DWGS. (TYP.)
CEILING
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

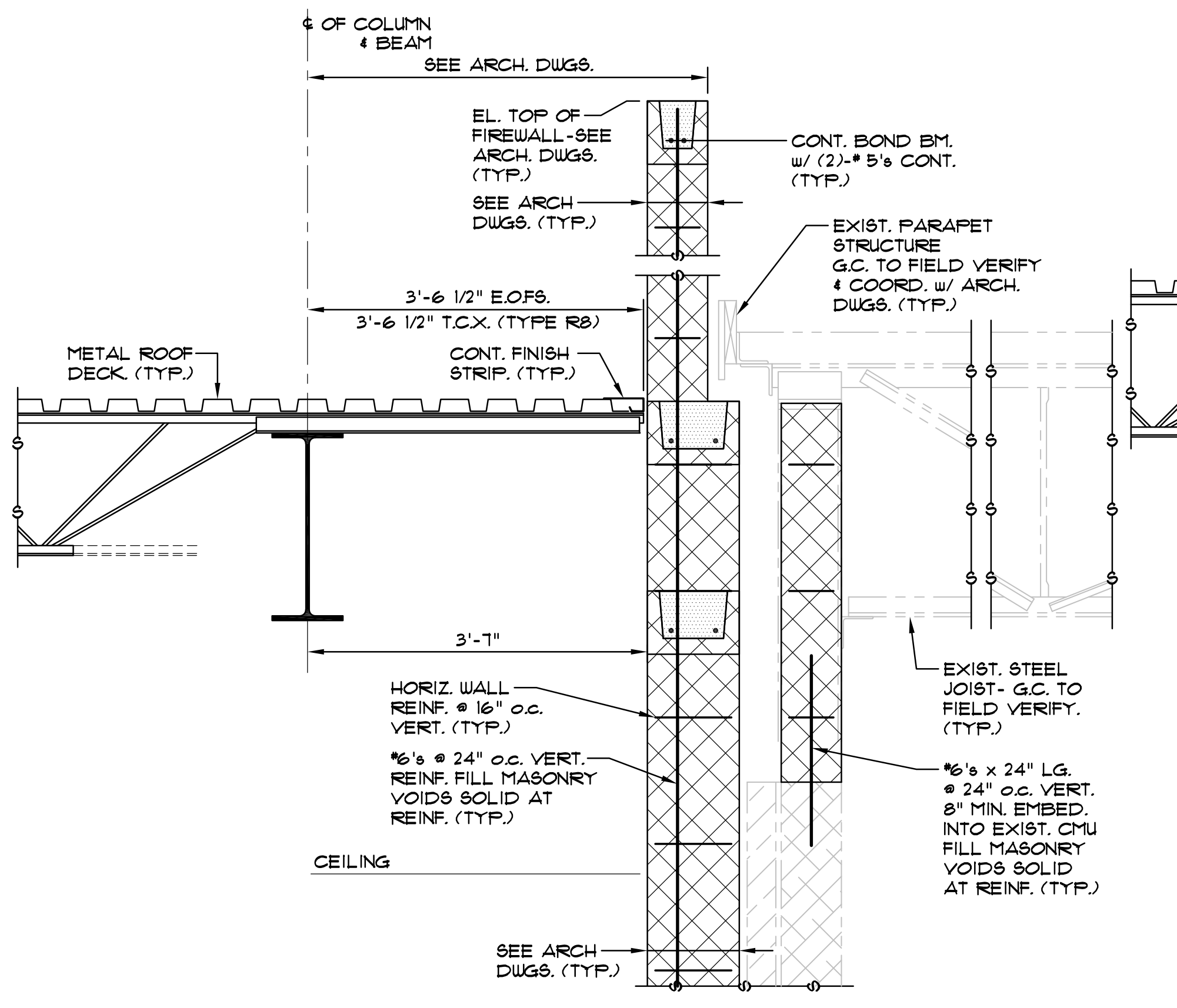
SECTION - R1
3/4"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3" OFFSET
3'-3" L 5 x 5
3'-2" TO WT 5 OUTRIGGER
2'-10" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
WT 5 x 15
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
1'-1" F.O.W. BELOW
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
8"
FINISHES-SEE ARCH. DWGS. (TYP.)
CEILING
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

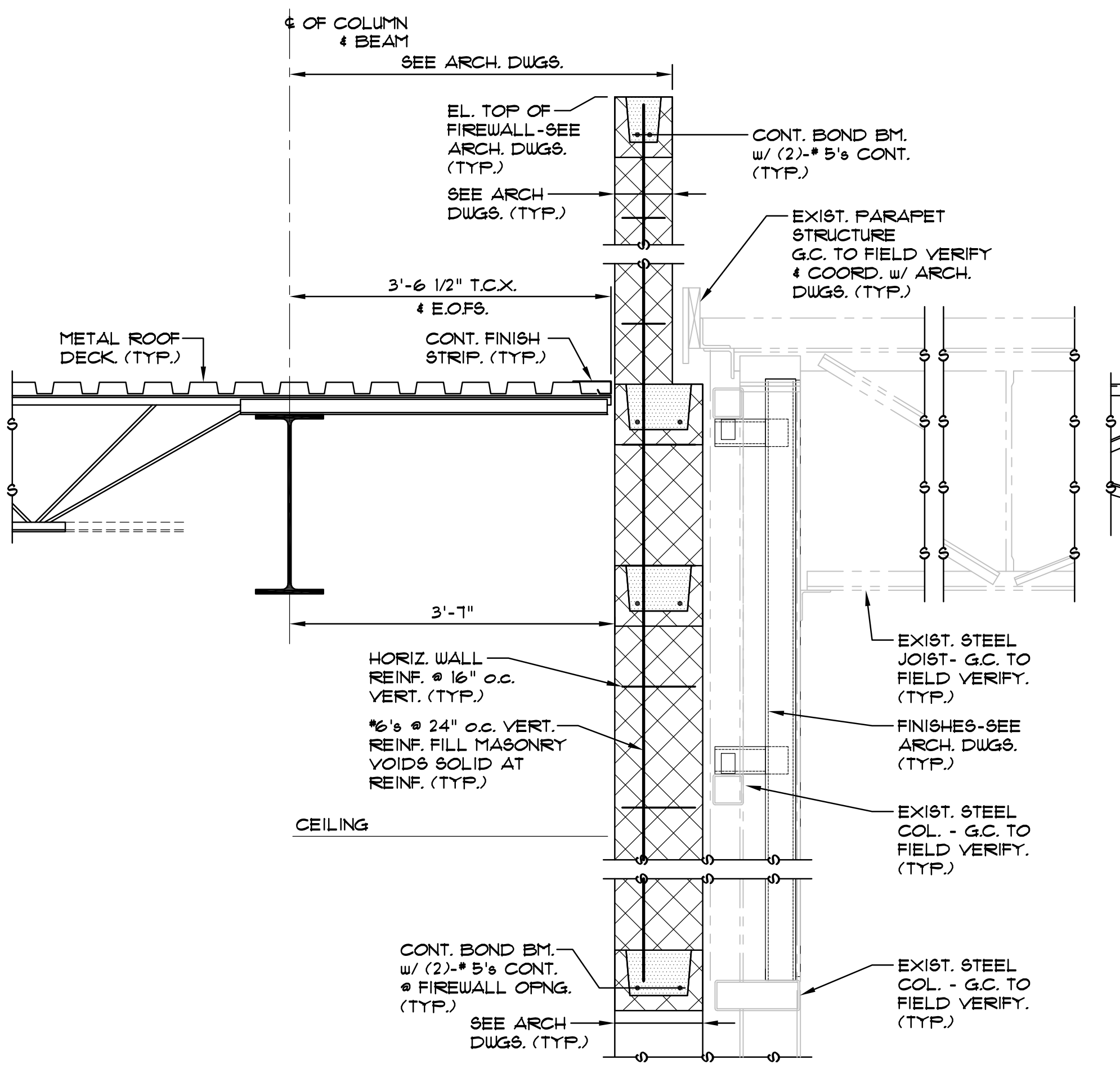
SECTION - R2
3/4"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3" OFFSET
7" E.O.D.
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
1/4" x 8" PL. CONT.
METAL ROOF DECK. (TYP.)
LH JOIST SEE PLAN
CONT. X-BRIDGING SEE PLAN. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
1'-1" F.O.W. BELOW
8"
CEILING
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

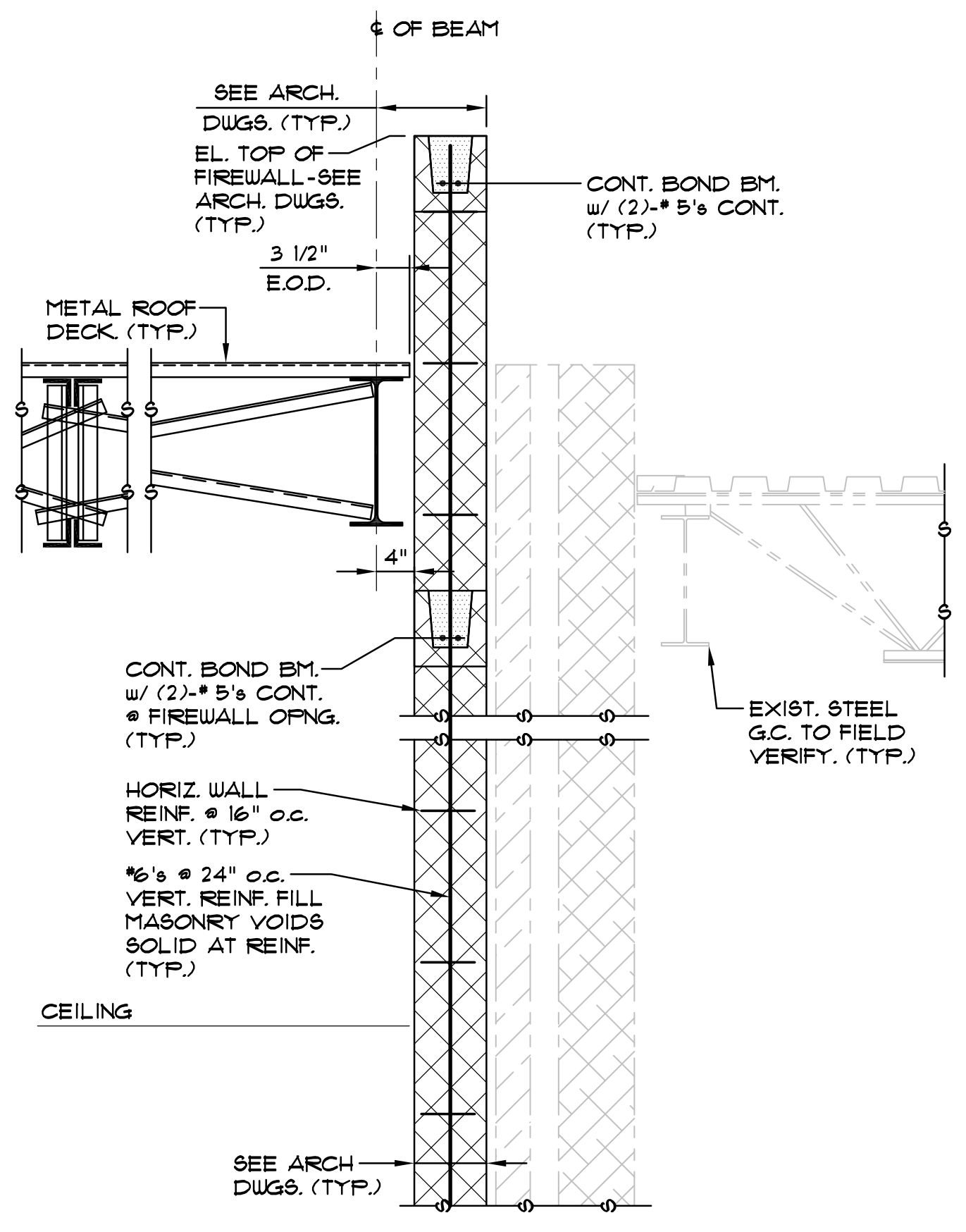
SECTION - R3
3/4"=1'-0"


℄ OF COLUMN & BEAM
SEE ARCH. DWGS.
EL. TOP OF FIREWALL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
SEE ARCH DWGS. (TYP.)
EXIST. PARAPET STRUCTURE G.C. TO FIELD VERIFY & COORD. w/ ARCH. DWGS. (TYP.)
3'-6 1/2" E.O.F.S.
3'-6 1/2" T.C.X. (TYPE R8)
METAL ROOF DECK. (TYP.)
CONT. FINISH STRIP. (TYP.)
CEILING
3'-7"
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
EXIST. STEEL JOIST- G.C. TO FIELD VERIFY. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
#6's x 24" LG. @ 24" o.c. VERT. 8" MIN. EMBED. INTO EXIST. CMU FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
CEILING
SEE ARCH DWGS. (TYP.)

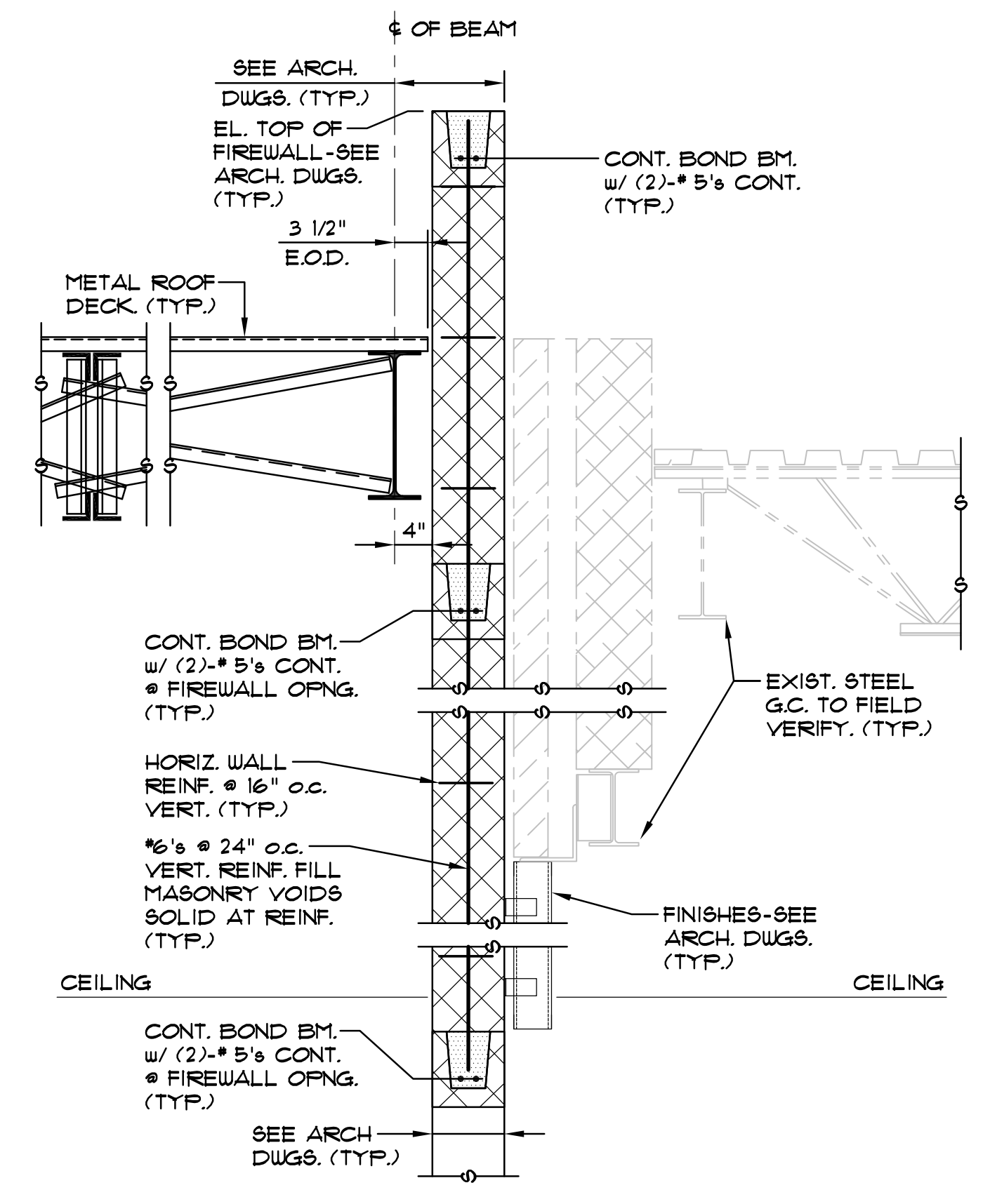
SECTION - R4
3/4"=1'-0"


℄ OF COLUMN & BEAM
SEE ARCH. DWGS.
EL. TOP OF FIREWALL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
SEE ARCH DWGS. (TYP.)
EXIST. PARAPET STRUCTURE G.C. TO FIELD VERIFY & COORD. w/ ARCH. DWGS. (TYP.)
3'-6 1/2" T.C.X. & E.O.F.S.
METAL ROOF DECK. (TYP.)
CONT. FINISH STRIP. (TYP.)
3'-7"
EXIST. STEEL JOIST- G.C. TO FIELD VERIFY. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
EXIST. STEEL COL. - G.C. TO FIELD VERIFY. (TYP.)
CEILING
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
EXIST. STEEL COL. - G.C. TO FIELD VERIFY. (TYP.)
SEE ARCH DWGS. (TYP.)

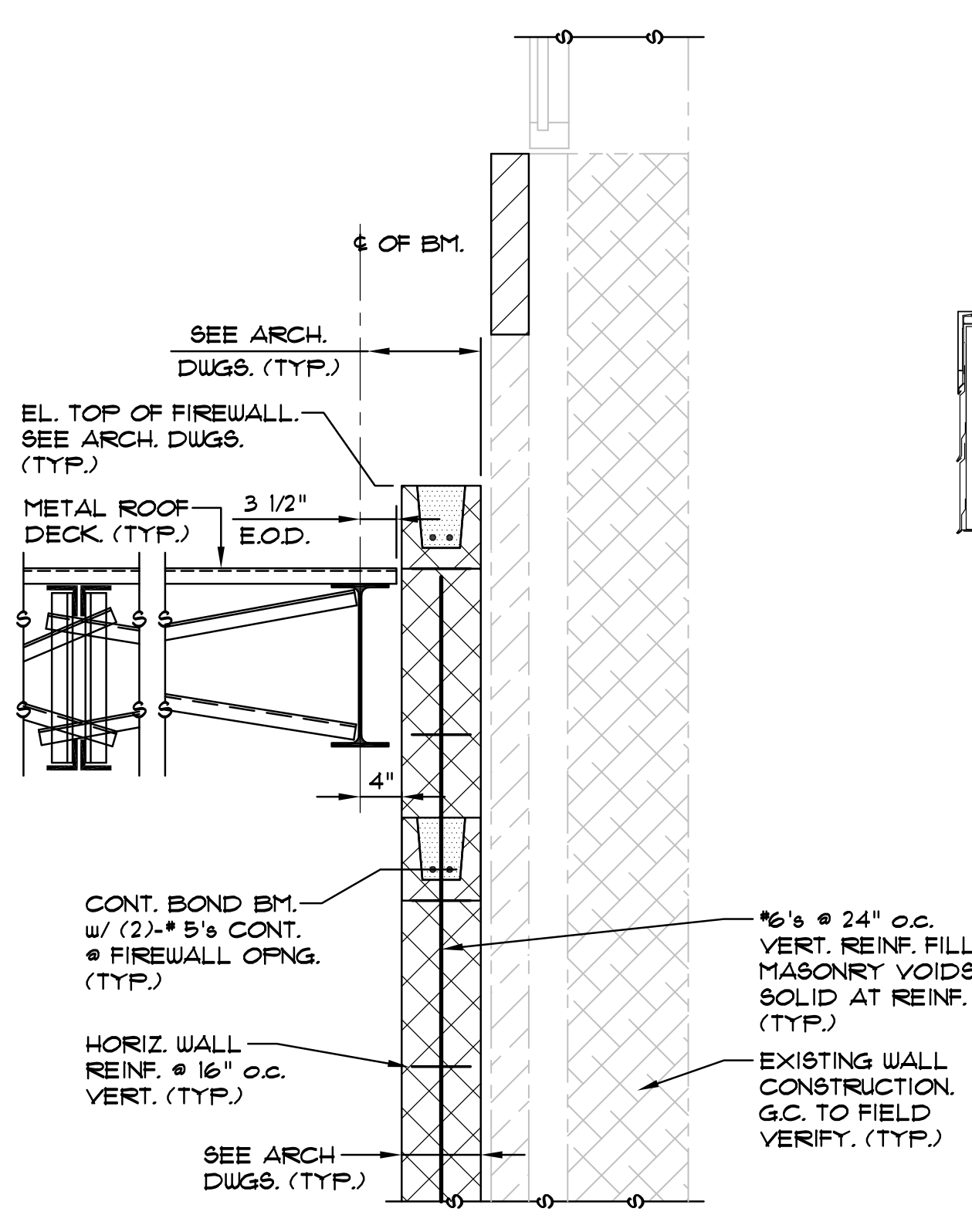
SECTION - R5
3/4"=1'-0"


℄ OF BEAM
SEE ARCH. DWGS. (TYP.)
EL. TOP OF FIREWALL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
3 1/2" E.O.D.
METAL ROOF DECK. (TYP.)
4"
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
EXIST. STEEL G.C. TO FIELD VERIFY. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
CEILING
SEE ARCH DWGS. (TYP.)

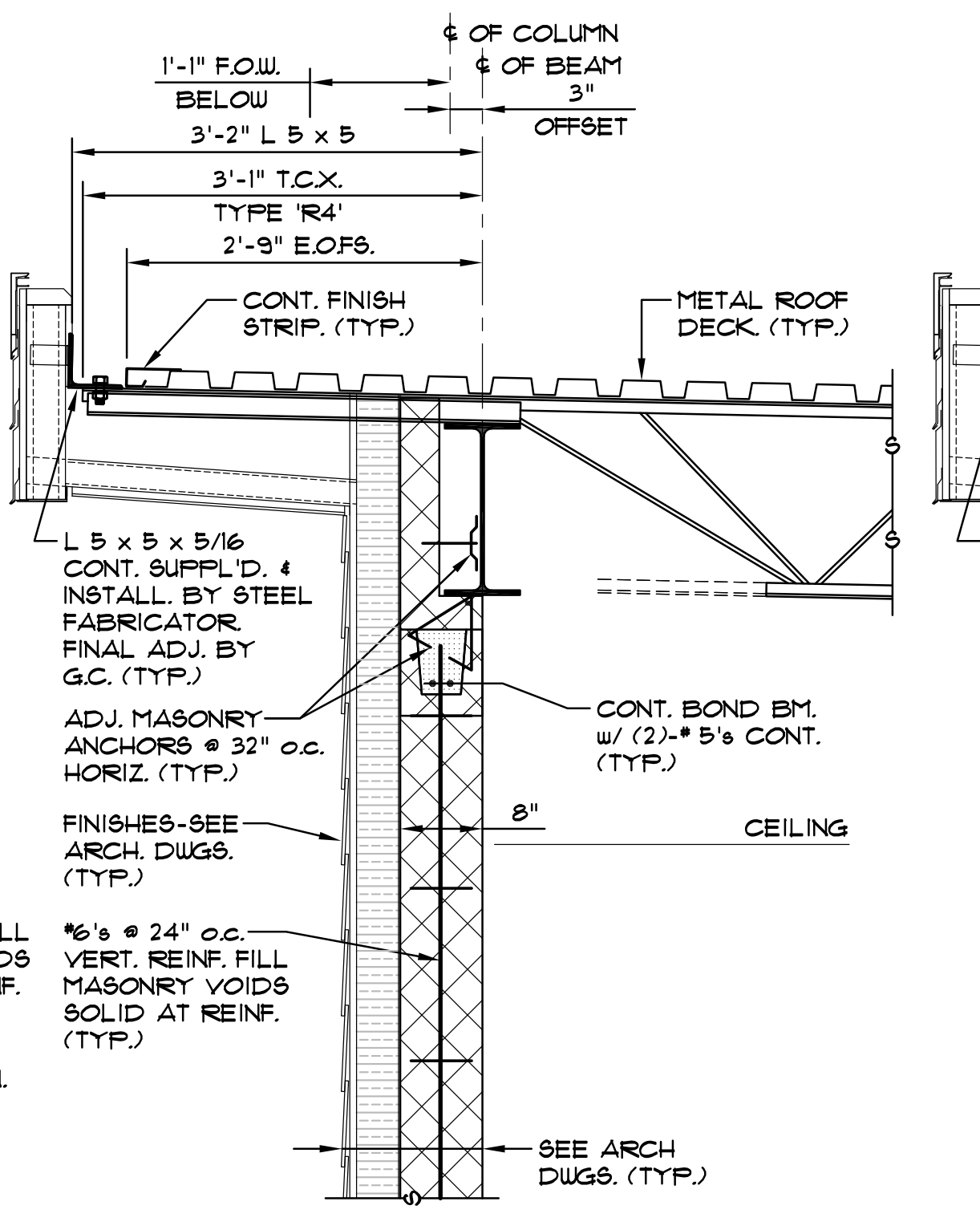
SECTION - R6
3/4"=1'-0"


℄ OF BEAM
SEE ARCH. DWGS. (TYP.)
EL. TOP OF FIREWALL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
3 1/2" E.O.D.
METAL ROOF DECK. (TYP.)
4"
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
EXIST. STEEL G.C. TO FIELD VERIFY. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CEILING
CEILING
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
SEE ARCH DWGS. (TYP.)

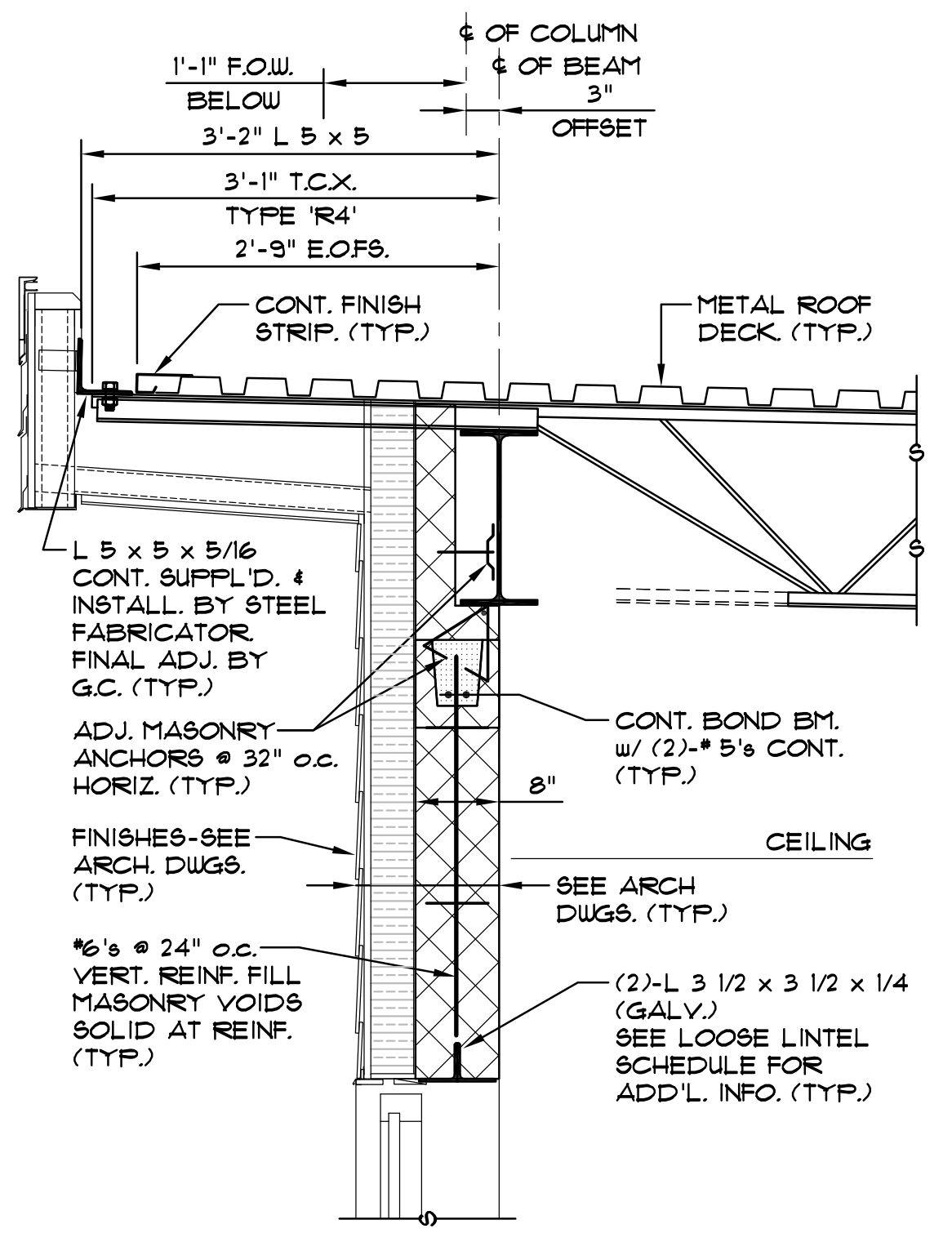
SECTION - R7
3/4"=1'-0"


℄ OF BM.
SEE ARCH. DWGS. (TYP.)
EL. TOP OF FIREWALL. SEE ARCH. DWGS. (TYP.)
METAL ROOF DECK. (TYP.)
3 1/2" E.O.D.
4"
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
EXISTING WALL CONSTRUCTION. G.C. TO FIELD VERIFY. (TYP.)
SEE ARCH DWGS. (TYP.)

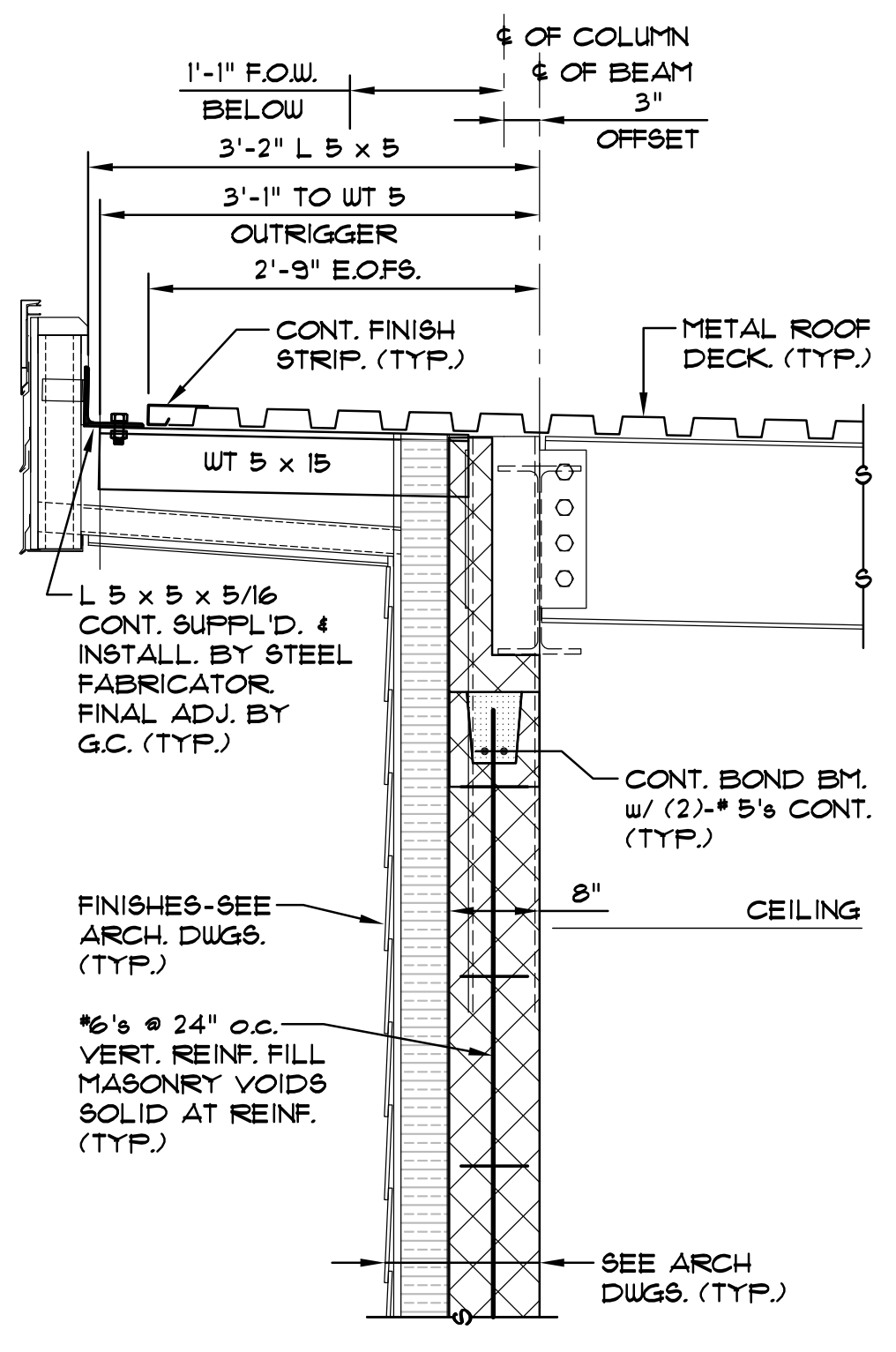
SECTION - R8
3/4"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3" OFFSET
3'-2" L 5 x 5
3'-1" T.C.X. TYPE 'R4'
2'-9" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
8"
CEILING
FINISHES-SEE ARCH. DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

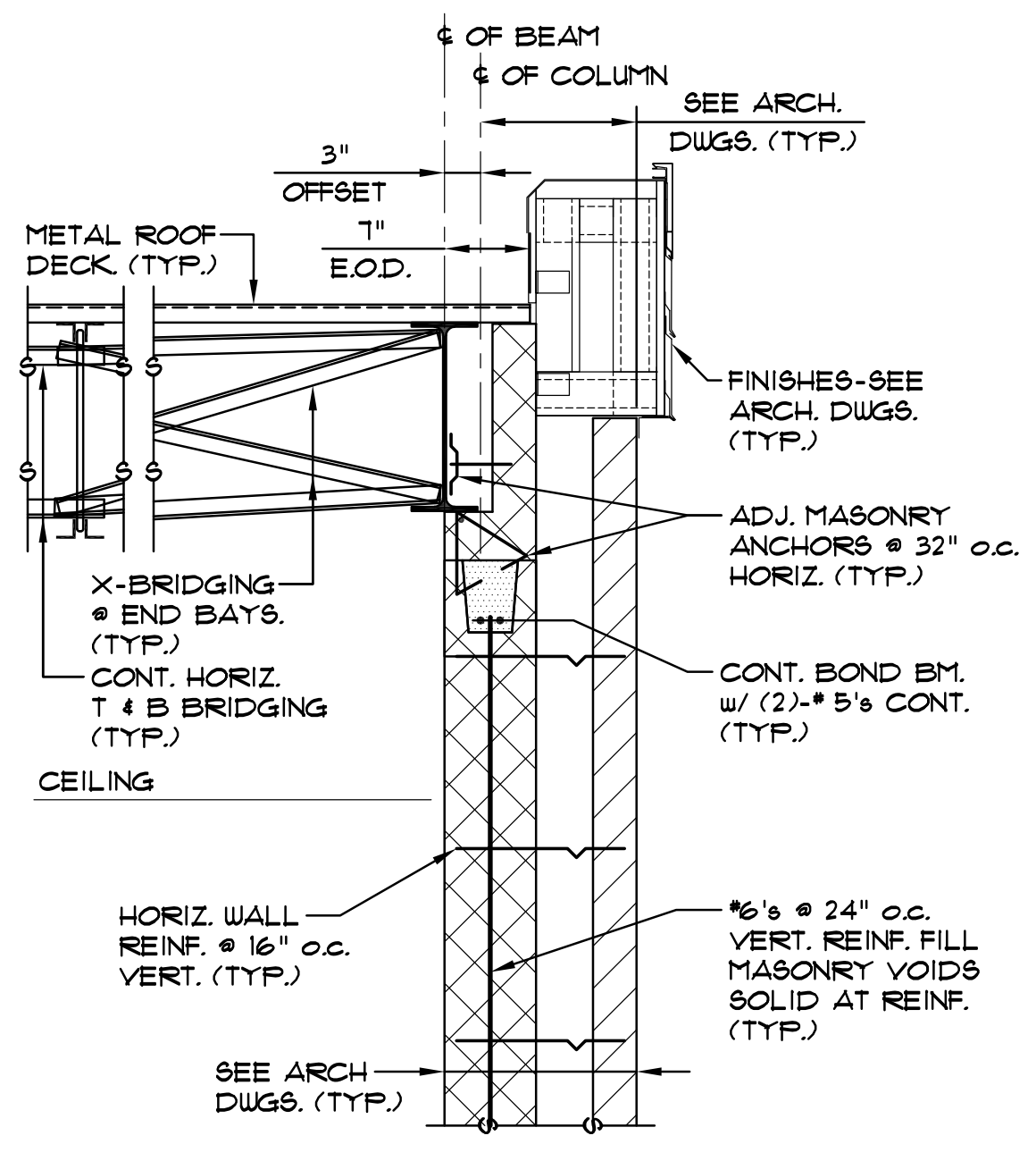
SECTION - R9
3/4"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3" OFFSET
3'-2" L 5 x 5
3'-1" T.C.X. TYPE 'R4'
2'-9" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
8"
CEILING
FINISHES-SEE ARCH. DWGS. (TYP.)
SEE ARCH DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)

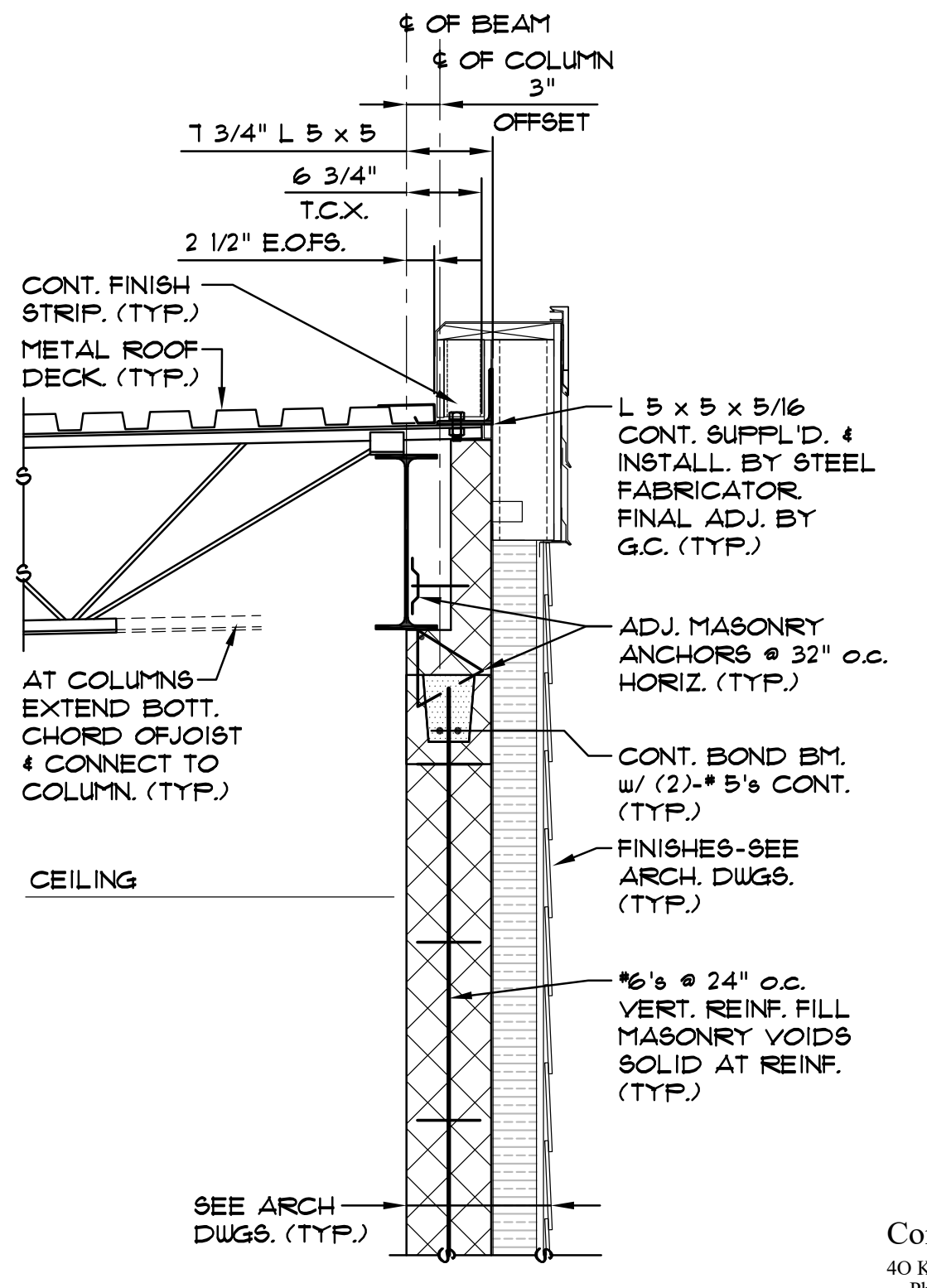
SECTION - R10
3/4"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3" OFFSET
3'-2" L 5 x 5
3'-1" TO WT 5 OUTRIGGER
2'-9" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
WT 5 x 15
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
8"
CEILING
FINISHES-SEE ARCH. DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

SECTION - R11
3/4"=1'-0"


℄ OF BEAM
℄ OF COLUMN
SEE ARCH. DWGS. (TYP.)
3" OFFSET
7" E.O.D.
METAL ROOF DECK. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
X-BRIDGING @ END BAYS. (TYP.)
CONT. HORIZ. T & B BRIDGING (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
CEILING
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

SECTION - R12
3/4"=1'-0"


℄ OF BEAM
℄ OF COLUMN
3" OFFSET
7 3/4" L 5 x 5
6 3/4" T.C.X.
2 1/2" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
AT COLUMNS EXTEND BOTT. CHORD OFJOIST & CONNECT TO COLUMN. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
CEILING
FINISHES-SEE ARCH. DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

SECTION - R13
3/4"=1'-0"

Harrison - Hamnett, P.C.
Consulting Structural Engineers
4O Knowles Street Pennington, New Jersey O8534
Ph: 6O9-818-18O8 www.hhpccse.com

2 / 12 / 26
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

Drawing name: D:\Jobs\25118 - Littlebrook Elementary School 5516D - FVHD\25118 - Sections.dwg
Date: Feb 12, 2026 - 8:00pm

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

Architect
10/10/25
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
EST. 1912

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Additions and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln.
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

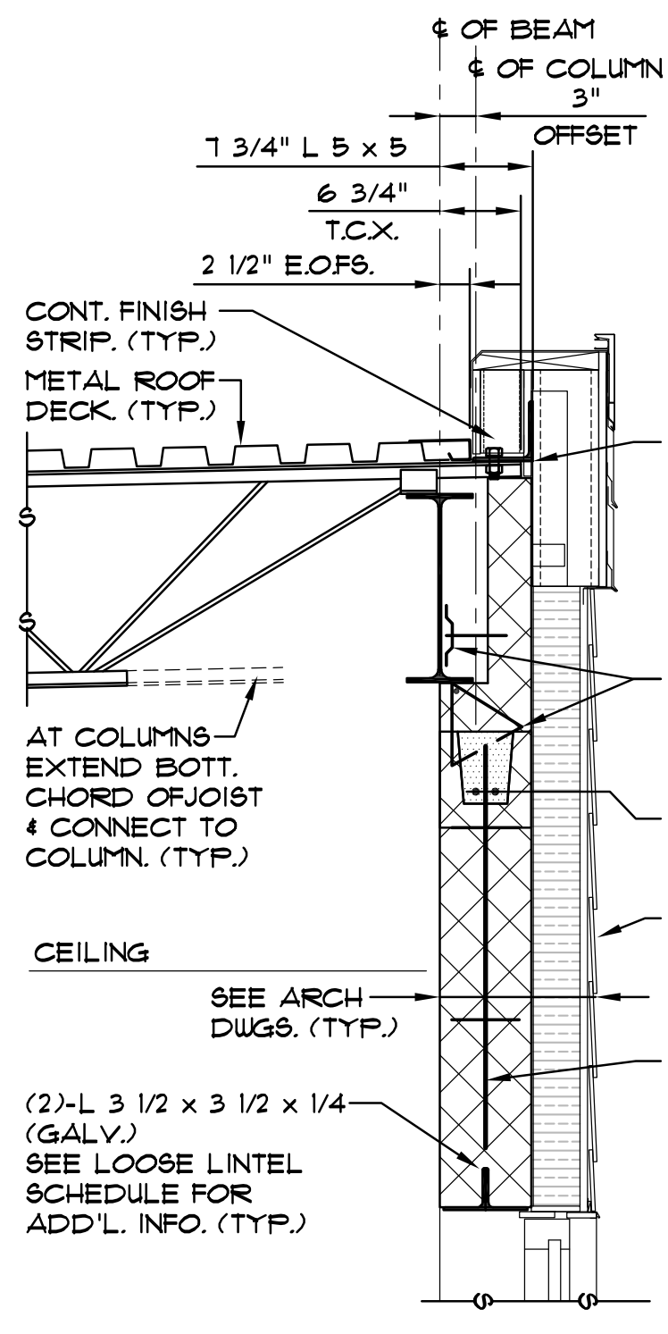
Scale
As Noted

Drawing Name
SECTIONS

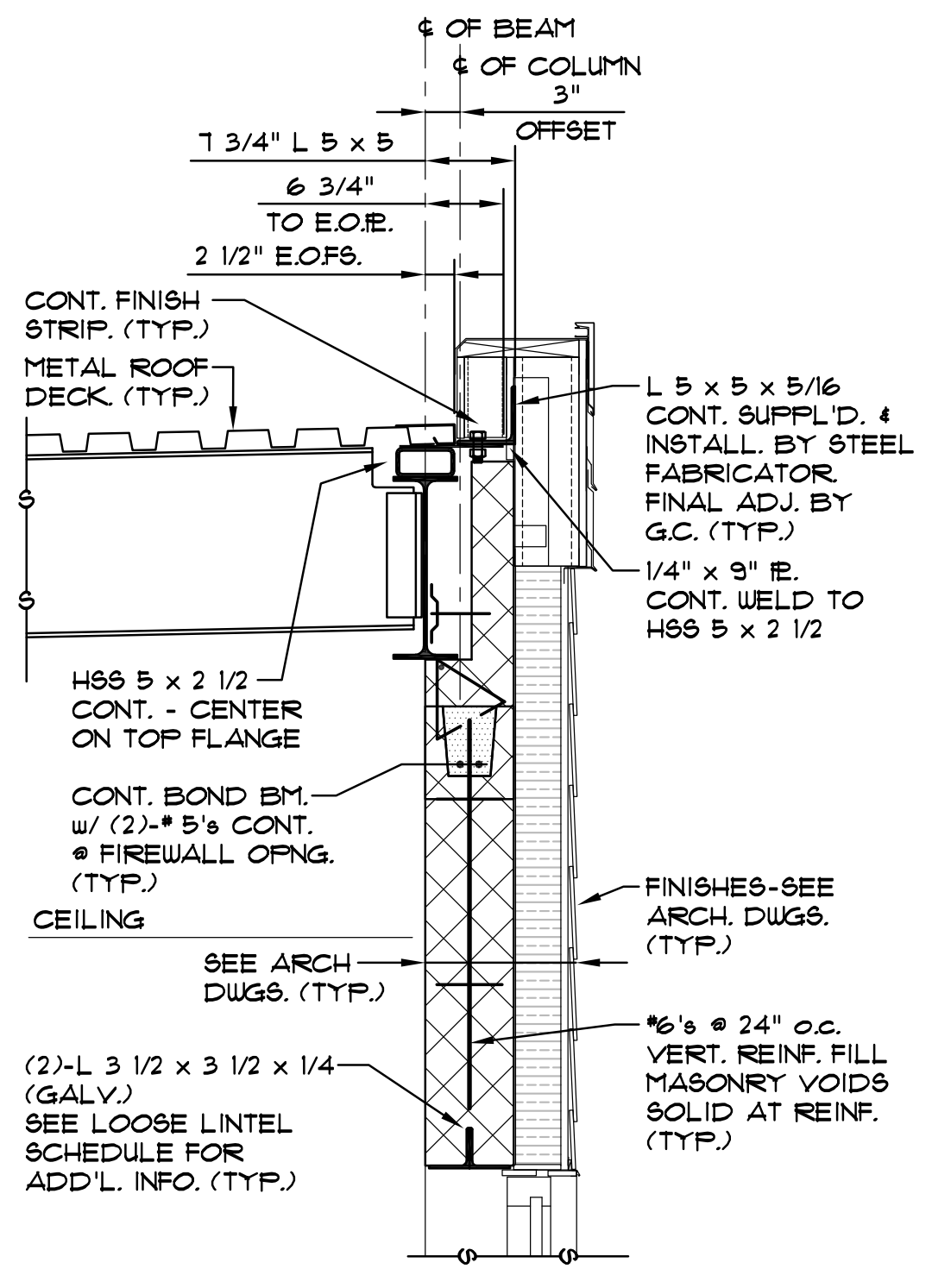
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.09.25	NJ DCA RESPONSES
	02.13.26	BID SET

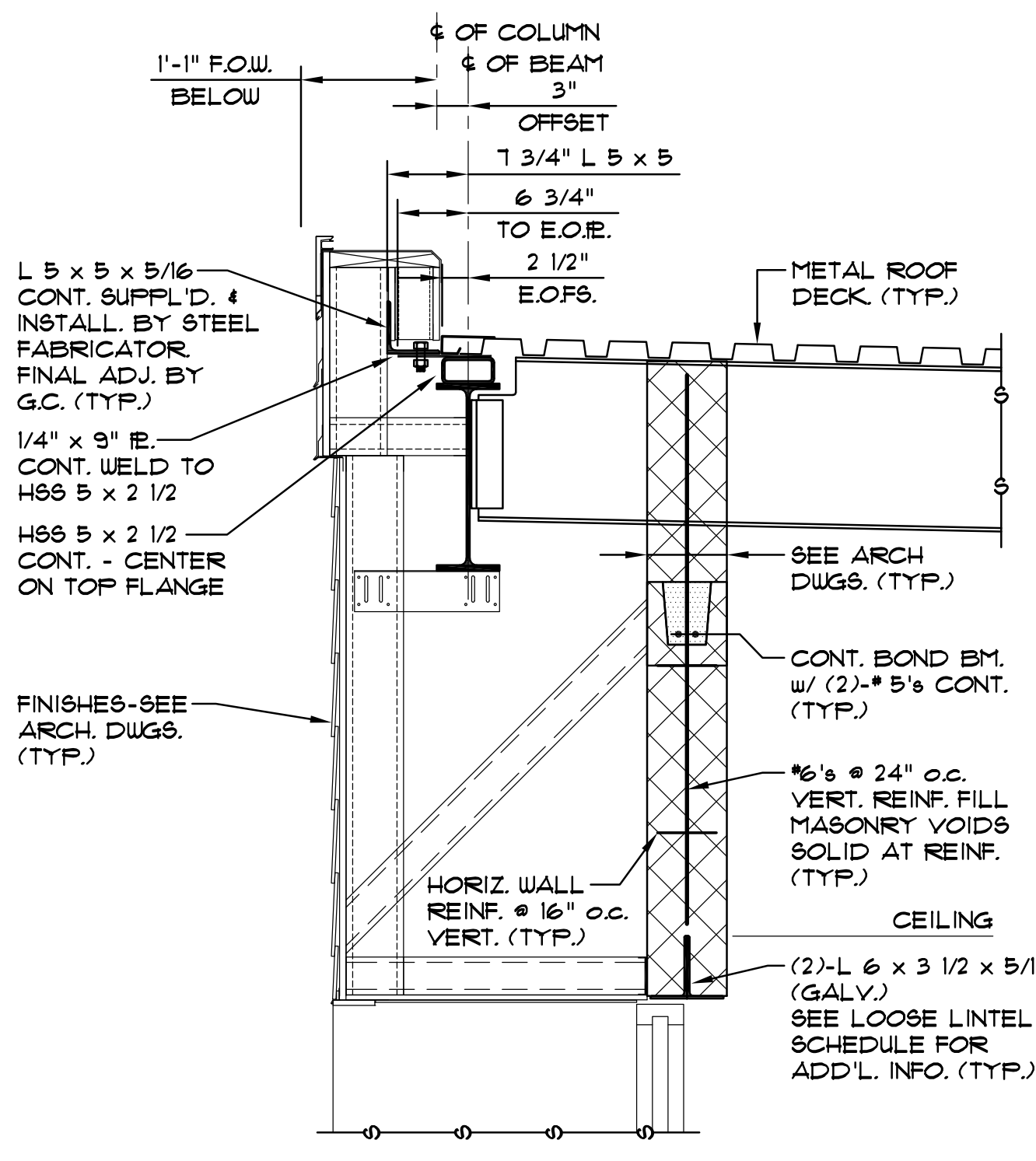
Drawing Number
S301


℄ OF BEAM
℄ OF COLUMN
3"
OFFSET
7 3/4" L 5 x 5
6 3/4"
T.C.X.
2 1/2" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c. HORIZ. (TYP.)
AT COLUMNS EXTEND BOTT. CHORD OFJOIST & CONNECT TO COLUMN. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CEILING
SEE ARCH DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)

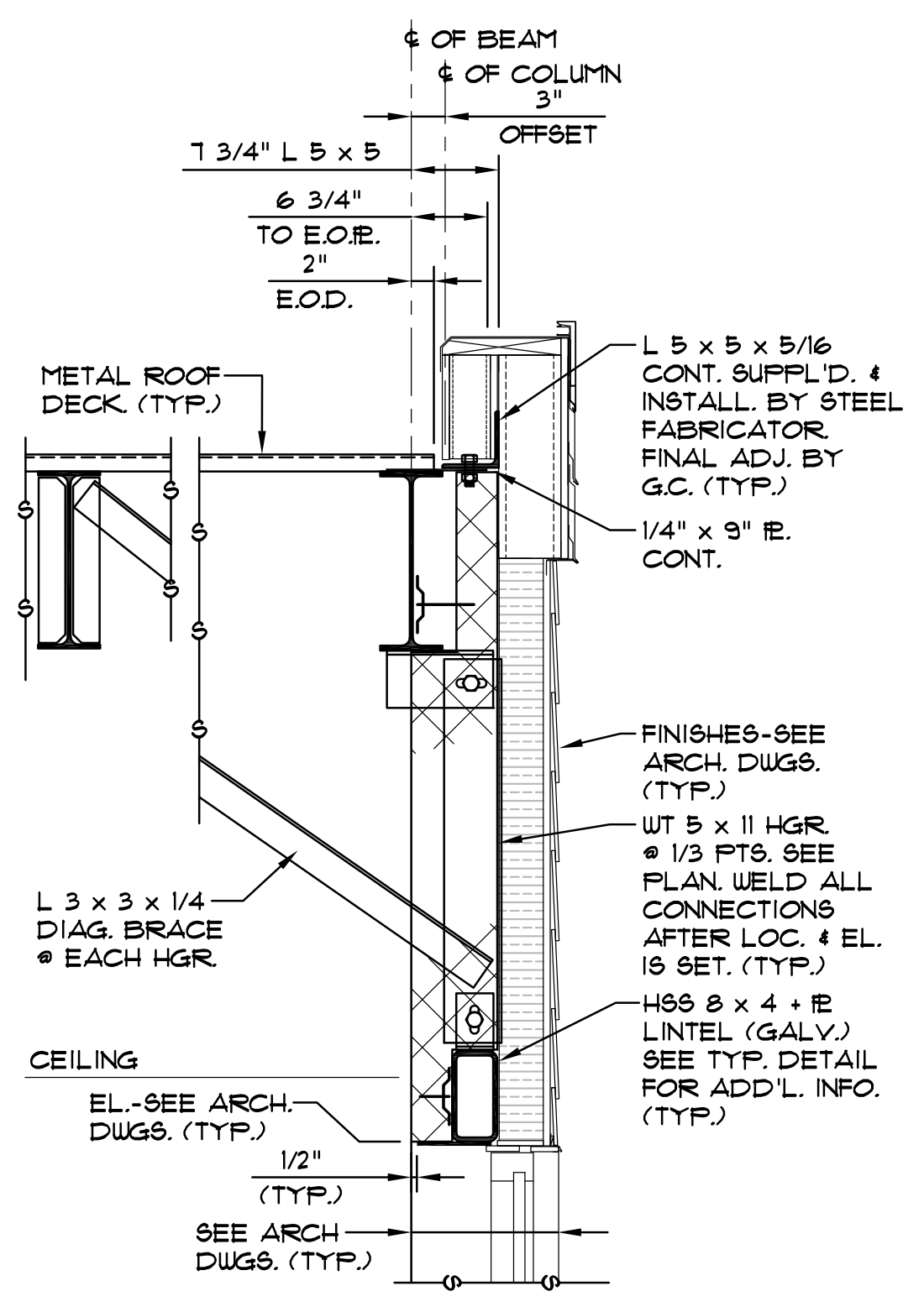
SECTION - R14
3/4"=1'-0"


℄ OF BEAM
℄ OF COLUMN
3"
OFFSET
7 3/4" L 5 x 5
6 3/4"
TO E.O.⅊.
2 1/2" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
1/4" x 9" ⅊. CONT. WELD TO HSS 5 x 2 1/2
HSS 5 x 2 1/2 CONT. - CENTER ON TOP FLANGE
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
CEILING
SEE ARCH DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)

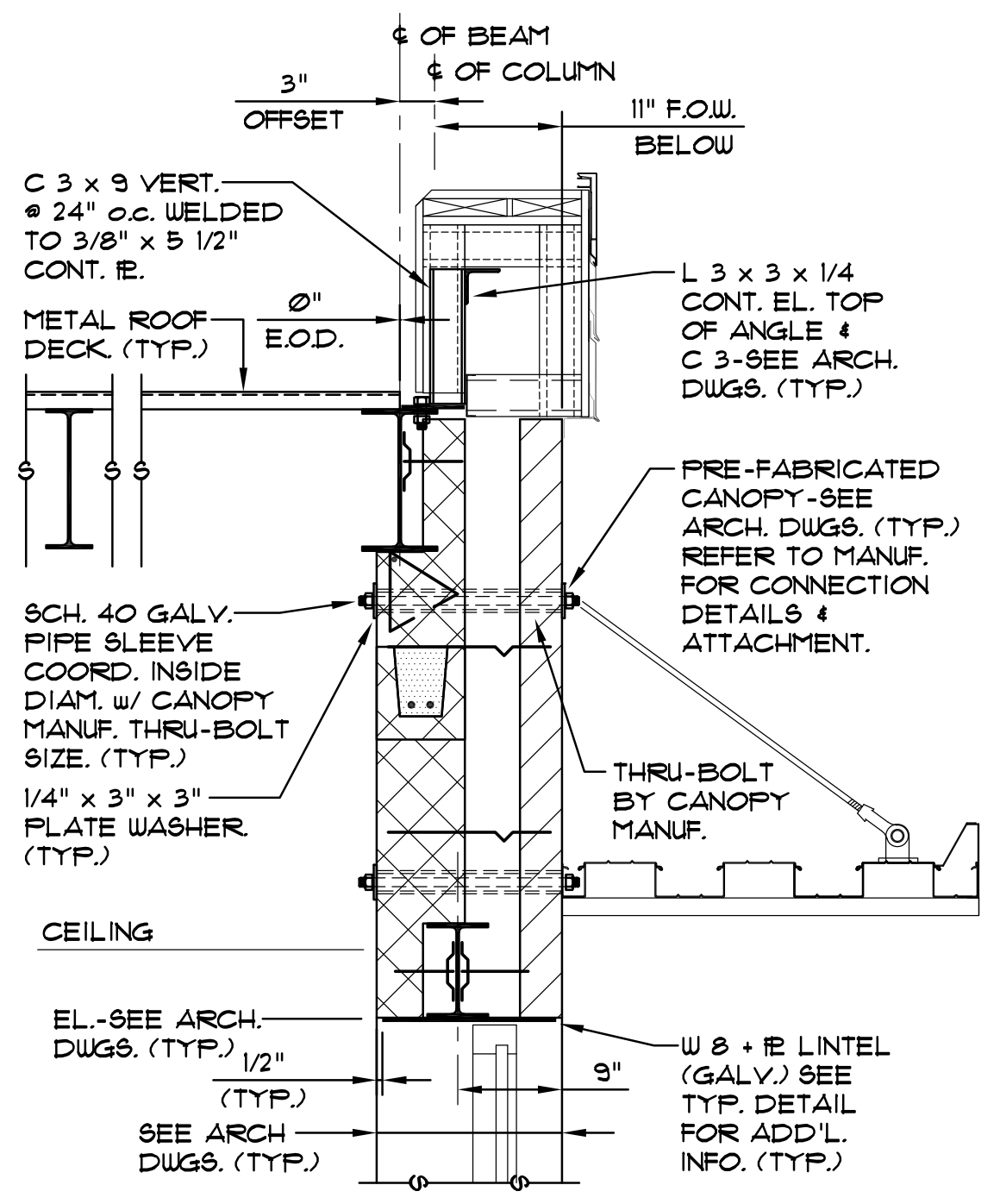
SECTION - R15
3/4"=1'-0"


1'-1" F.O.W. BELOW
℄ OF COLUMN
℄ OF BEAM
3"
OFFSET
7 3/4" L 5 x 5
6 3/4"
TO E.O.⅊.
2 1/2"
E.O.F.S.
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
1/4" x 9" ⅊. CONT. WELD TO HSS 5 x 2 1/2
HSS 5 x 2 1/2 CONT. - CENTER ON TOP FLANGE
METAL ROOF DECK. (TYP.)
SEE ARCH DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
FINISHES-SEE ARCH. DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
CEILING
(2)-L 6 x 3 1/2 x 5/16 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)

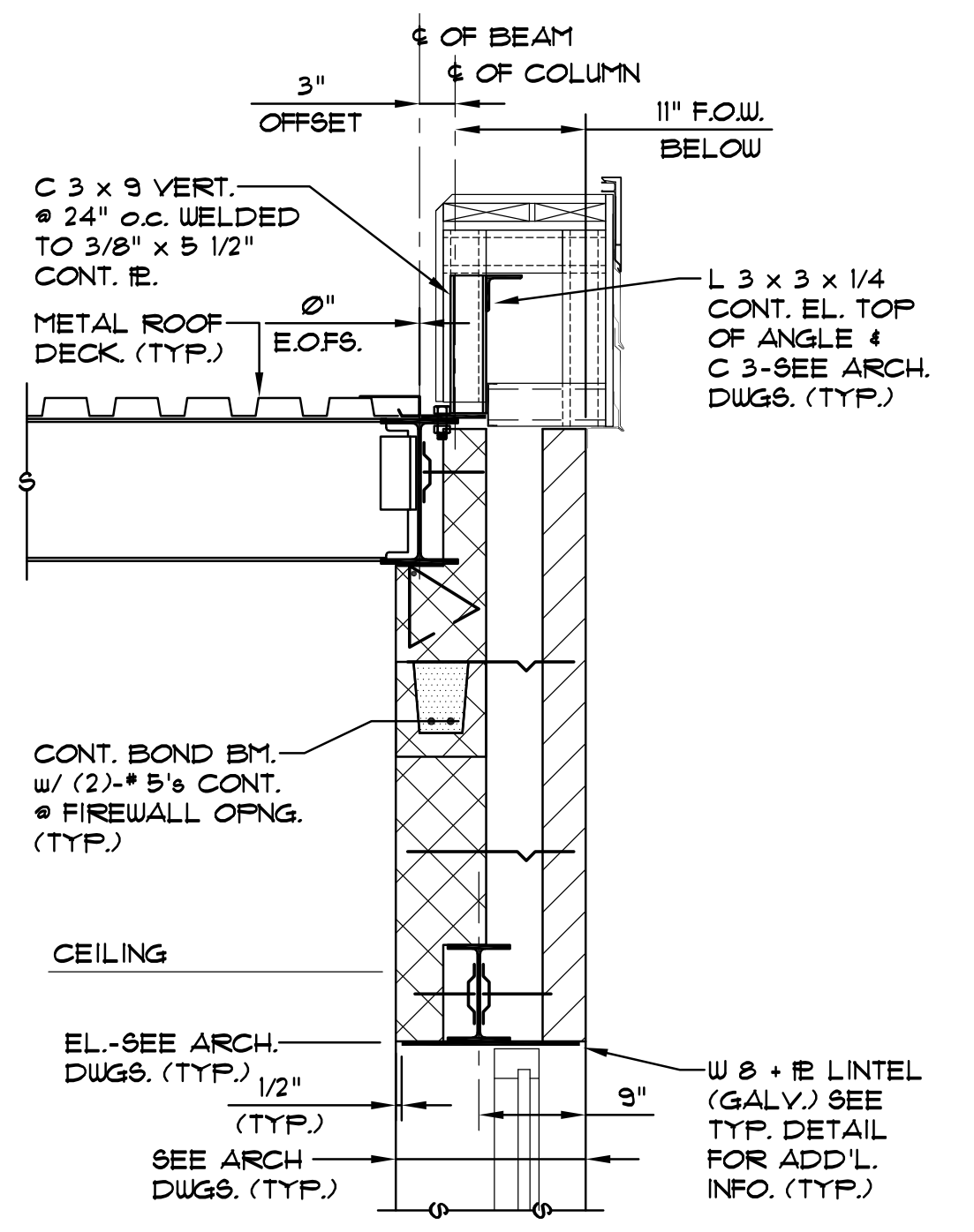
SECTION - R16
3/4"=1'-0"


℄ OF BEAM
℄ OF COLUMN
3"
OFFSET
7 3/4" L 5 x 5
6 3/4"
TO E.O.⅊.
2"
E.O.D.
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
1/4" x 9" ⅊. CONT.
FINISHES-SEE ARCH. DWGS. (TYP.)
WT 5 x 11 HGR. @ 1/3 PTS. SEE PLAN. WELD ALL CONNECTIONS AFTER LOC. & EL. IS SET. (TYP.)
L 3 x 3 x 1/4 DIAG. BRACE @ EACH HGR.
HSS 8 x 4 + ⅊ LINTEL (GALV.) SEE TYP. DETAIL FOR ADD'L. INFO. (TYP.)
CEILING
EL.-SEE ARCH. DWGS. (TYP.)
1/2" (TYP.)
SEE ARCH DWGS. (TYP.)

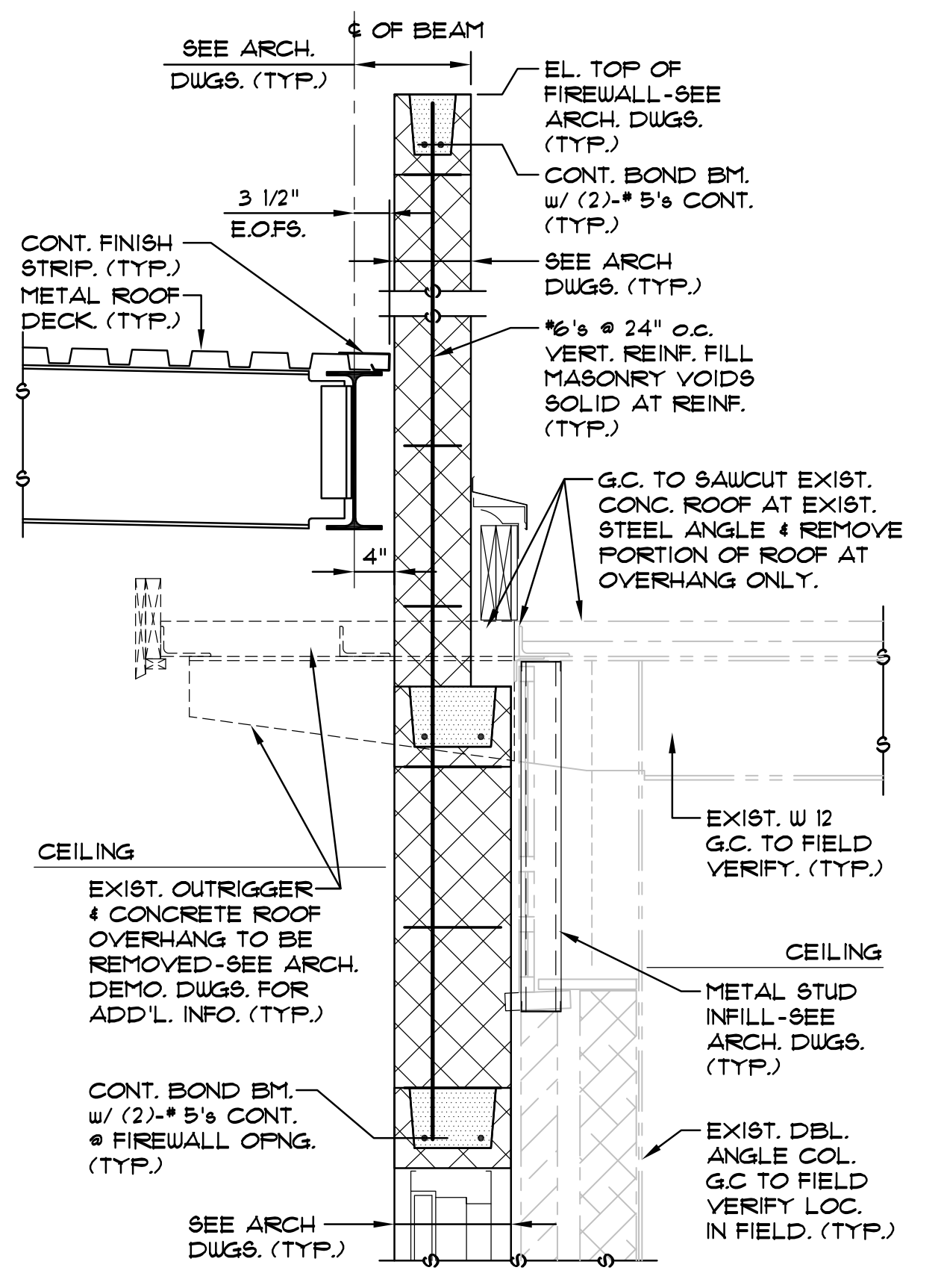
SECTION - R17
3/4"=1'-0"


℄ OF BEAM
℄ OF COLUMN
3"
OFFSET
11" F.O.W. BELOW
C 3 x 9 VERT. @ 24" o.c. WELDED TO 3/8" x 5 1/2" CONT. ⅊.
METAL ROOF DECK. (TYP.)
0"
E.O.D.
L 3 x 3 x 1/4 CONT. EL. TOP OF ANGLE & C 3-SEE ARCH. DWGS. (TYP.)
PRE-FABRICATED CANOPY-SEE ARCH. DWGS. (TYP.) REFER TO MANUF. FOR CONNECTION DETAILS & ATTACHMENT.
SCH. 40 GALV. PIPE SLEEVE COORD. INSIDE DIAM. w/ CANOPY MANUF. THRU-BOLT SIZE. (TYP.)
1/4" x 3" x 3" PLATE WASHER. (TYP.)
THRU-BOLT BY CANOPY MANUF.
CEILING
EL.-SEE ARCH. DWGS. (TYP.)
1/2" (TYP.)
SEE ARCH DWGS. (TYP.)
9"
W 8 + ⅊ LINTEL (GALV.) SEE TYP. DETAIL FOR ADD'L. INFO. (TYP.)

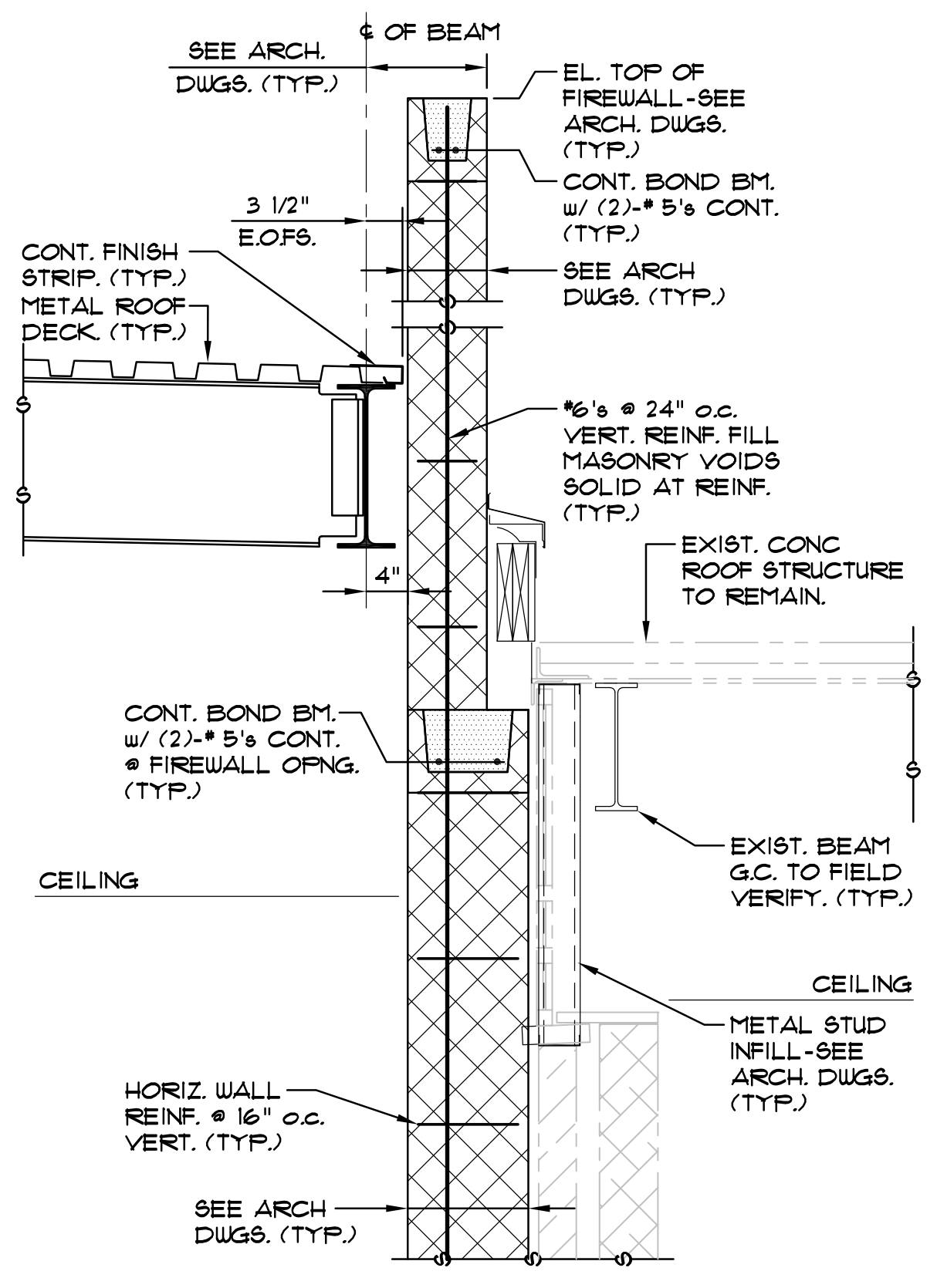
SECTION - R18
3/4"=1'-0"


℄ OF BEAM
℄ OF COLUMN
3"
OFFSET
11" F.O.W. BELOW
C 3 x 9 VERT. @ 24" o.c. WELDED TO 3/8" x 5 1/2" CONT. ⅊.
METAL ROOF DECK. (TYP.)
0"
E.O.F.S.
L 3 x 3 x 1/4 CONT. EL. TOP OF ANGLE & C 3-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
CEILING
EL.-SEE ARCH. DWGS. (TYP.)
1/2" (TYP.)
SEE ARCH DWGS. (TYP.)
9"
W 8 + ⅊ LINTEL (GALV.) SEE TYP. DETAIL FOR ADD'L. INFO. (TYP.)

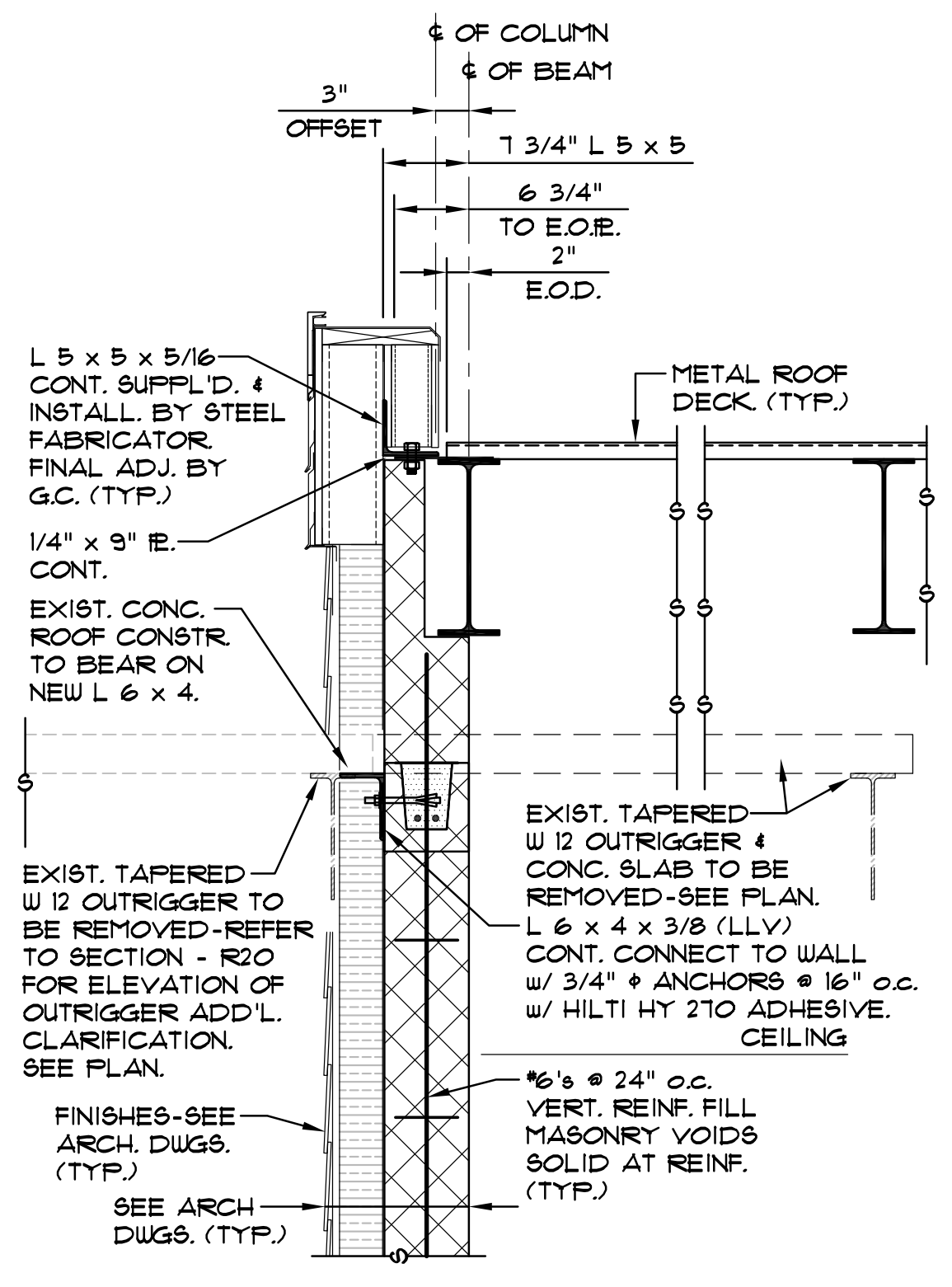
SECTION - R19
3/4"=1'-0"


SEE ARCH. DWGS. (TYP.)
℄ OF BEAM
EL. TOP OF FIREWALL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
3 1/2"
E.O.F.S.
SEE ARCH DWGS. (TYP.)
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
G.C. TO SAWCUT EXIST. CONC. ROOF AT EXIST. STEEL ANGLE & REMOVE PORTION OF ROOF AT OVERHANG ONLY.
4"
EXIST. W 12 G.C. TO FIELD VERIFY. (TYP.)
CEILING
EXIST. OUTRIGGER & CONCRETE ROOF OVERHANG TO BE REMOVED-SEE ARCH. DEMO. DWGS. FOR ADD'L. INFO. (TYP.)
METAL STUD INFILL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
EXIST. DBL. ANGLE COL. G.C TO FIELD VERIFY LOC. IN FIELD. (TYP.)
SEE ARCH DWGS. (TYP.)

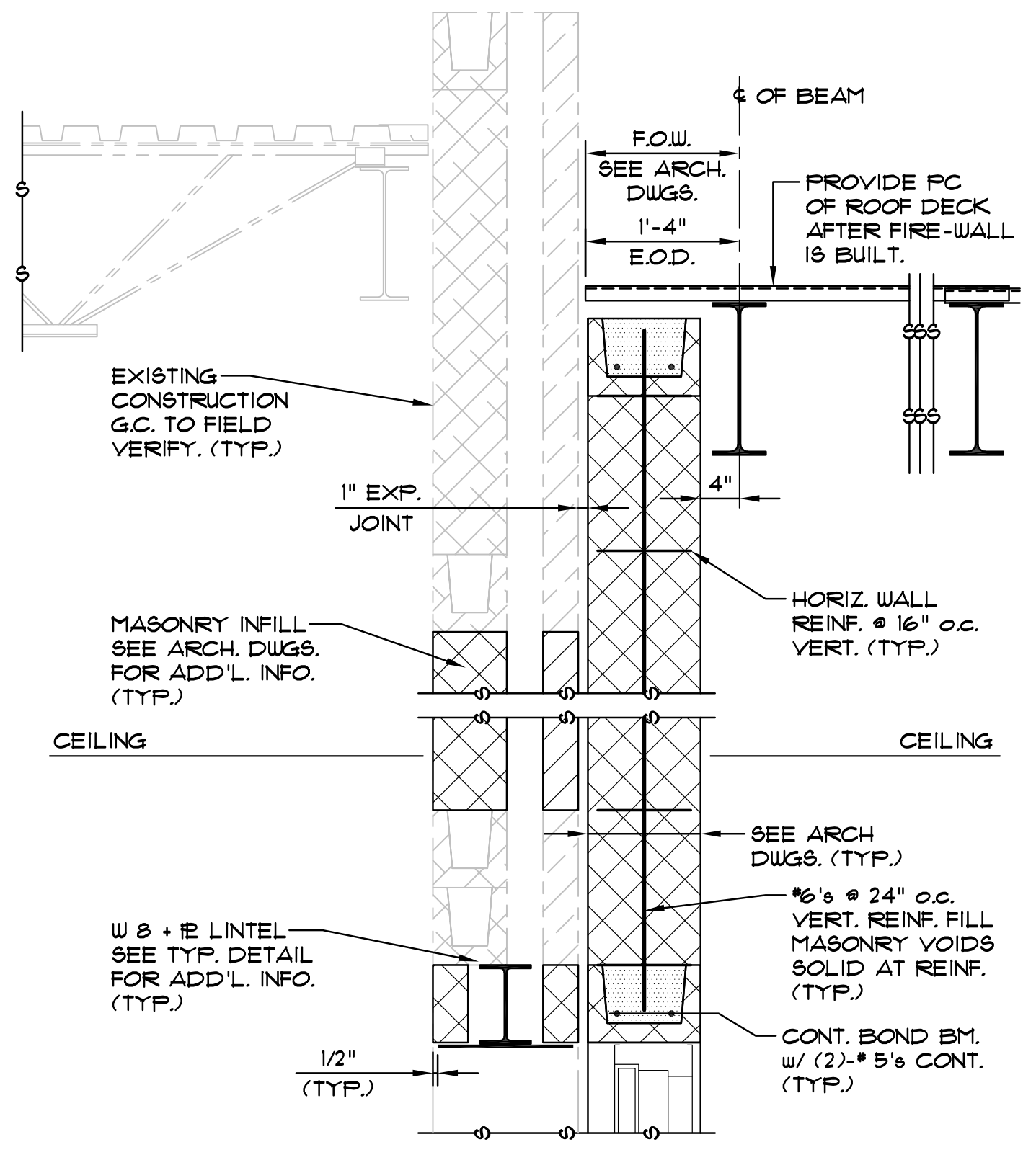
SECTION - R20
3/4"=1'-0"


SEE ARCH. DWGS. (TYP.)
℄ OF BEAM
EL. TOP OF FIREWALL-SEE ARCH. DWGS. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
3 1/2"
E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
SEE ARCH DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
4"
EXIST. CONC ROOF STRUCTURE TO REMAIN.
CONT. BOND BM. w/ (2)-# 5's CONT. @ FIREWALL OPNG. (TYP.)
EXIST. BEAM G.C. TO FIELD VERIFY. (TYP.)
CEILING
METAL STUD INFILL-SEE ARCH. DWGS. (TYP.)
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
SEE ARCH DWGS. (TYP.)

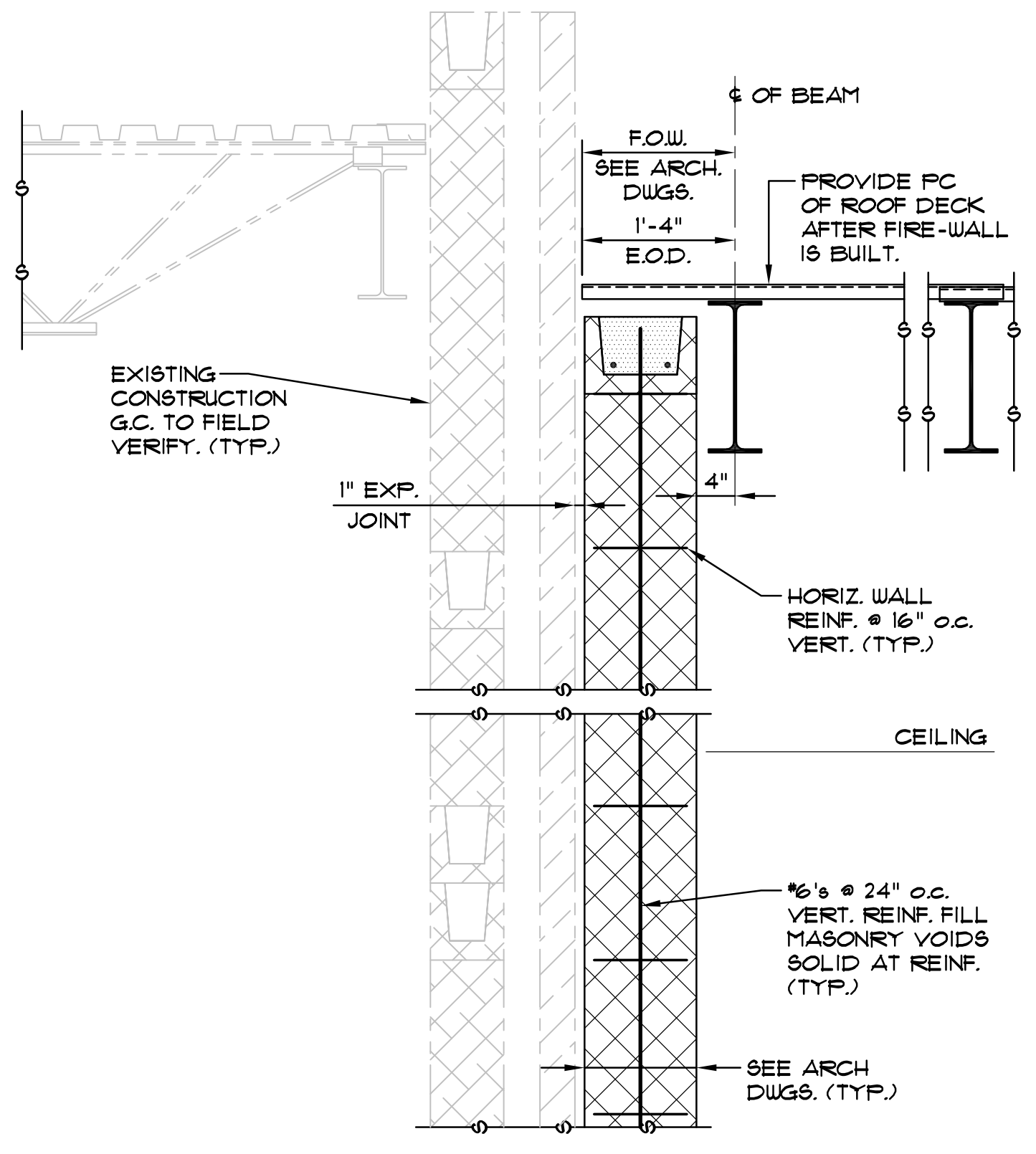
SECTION - R21
3/4"=1'-0"


℄ OF COLUMN
℄ OF BEAM
3"
OFFSET
7 3/4" L 5 x 5
6 3/4"
TO E.O.⅊.
2"
E.O.D.
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
METAL ROOF DECK. (TYP.)
1/4" x 9" ⅊. CONT.
EXIST. CONC. ROOF CONSTR. TO BEAR ON NEW L 6 x 4.
EXIST. TAPERED W 12 OUTRIGGER TO BE REMOVED-REFER TO SECTION - R20 FOR ELEVATION OF OUTRIGGER ADD'L. CLARIFICATION. SEE PLAN.
EXIST. TAPERED W 12 OUTRIGGER & CONC. SLAB TO BE REMOVED-SEE PLAN.
L 6 x 4 x 3/8 (LLV) CONT. CONNECT TO WALL w/ 3/4" ⌀ ANCHORS @ 16" o.c. w/ HILTI HY 270 ADHESIVE.
CEILING
FINISHES-SEE ARCH. DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

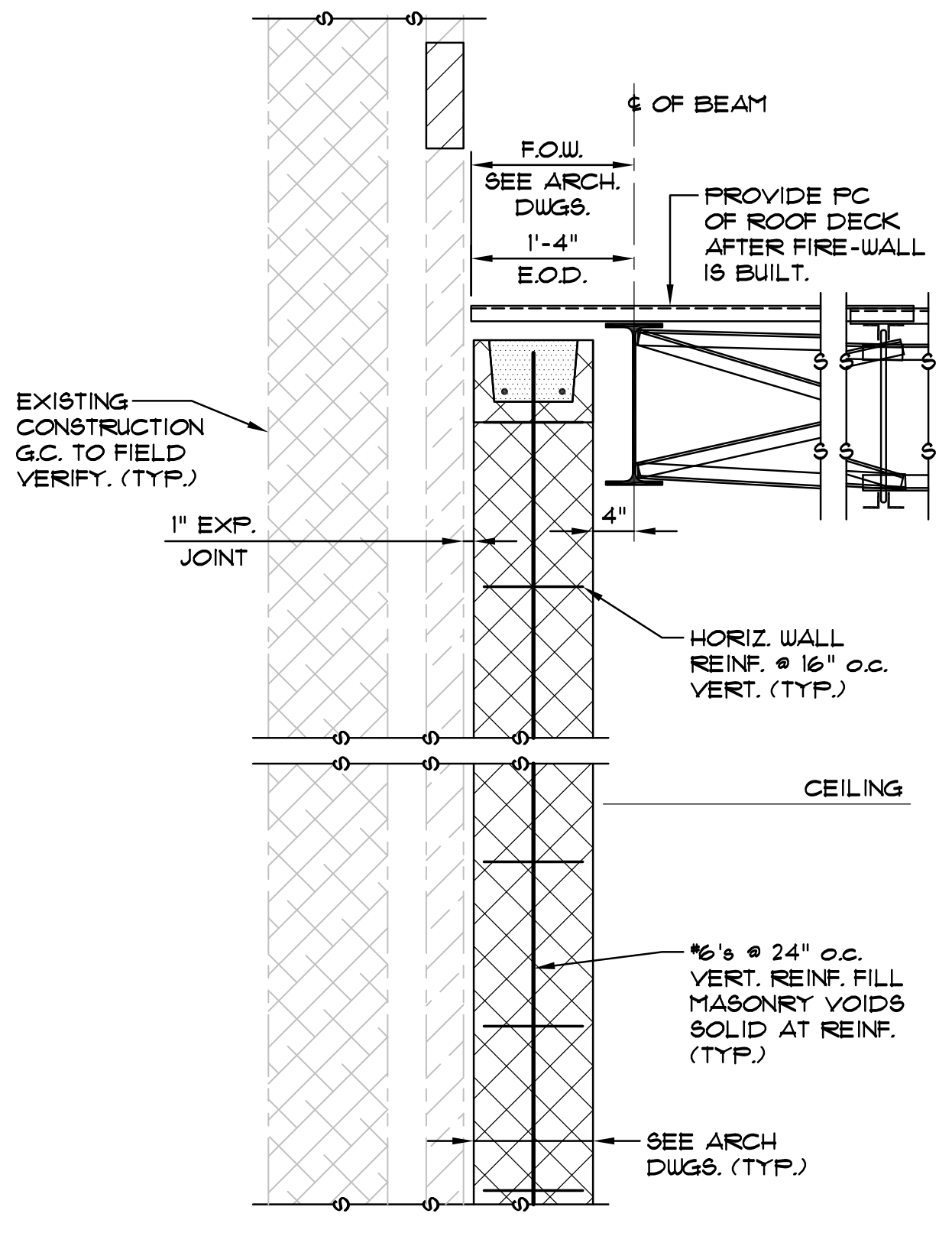
SECTION - R22
3/4"=1'-0"


℄ OF BEAM
F.O.W.
SEE ARCH. DWGS.
1'-4"
E.O.D.
PROVIDE PC OF ROOF DECK AFTER FIRE-WALL IS BUILT.
EXISTING CONSTRUCTION G.C. TO FIELD VERIFY. (TYP.)
1" EXP. JOINT
4"
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
MASONRY INFILL SEE ARCH. DWGS. FOR ADD'L. INFO. (TYP.)
CEILING
CEILING
SEE ARCH DWGS. (TYP.)
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
W 8 + ⅊ LINTEL SEE TYP. DETAIL FOR ADD'L. INFO. (TYP.)
CONT. BOND BM. w/ (2)-# 5's CONT. (TYP.)
1/2" (TYP.)

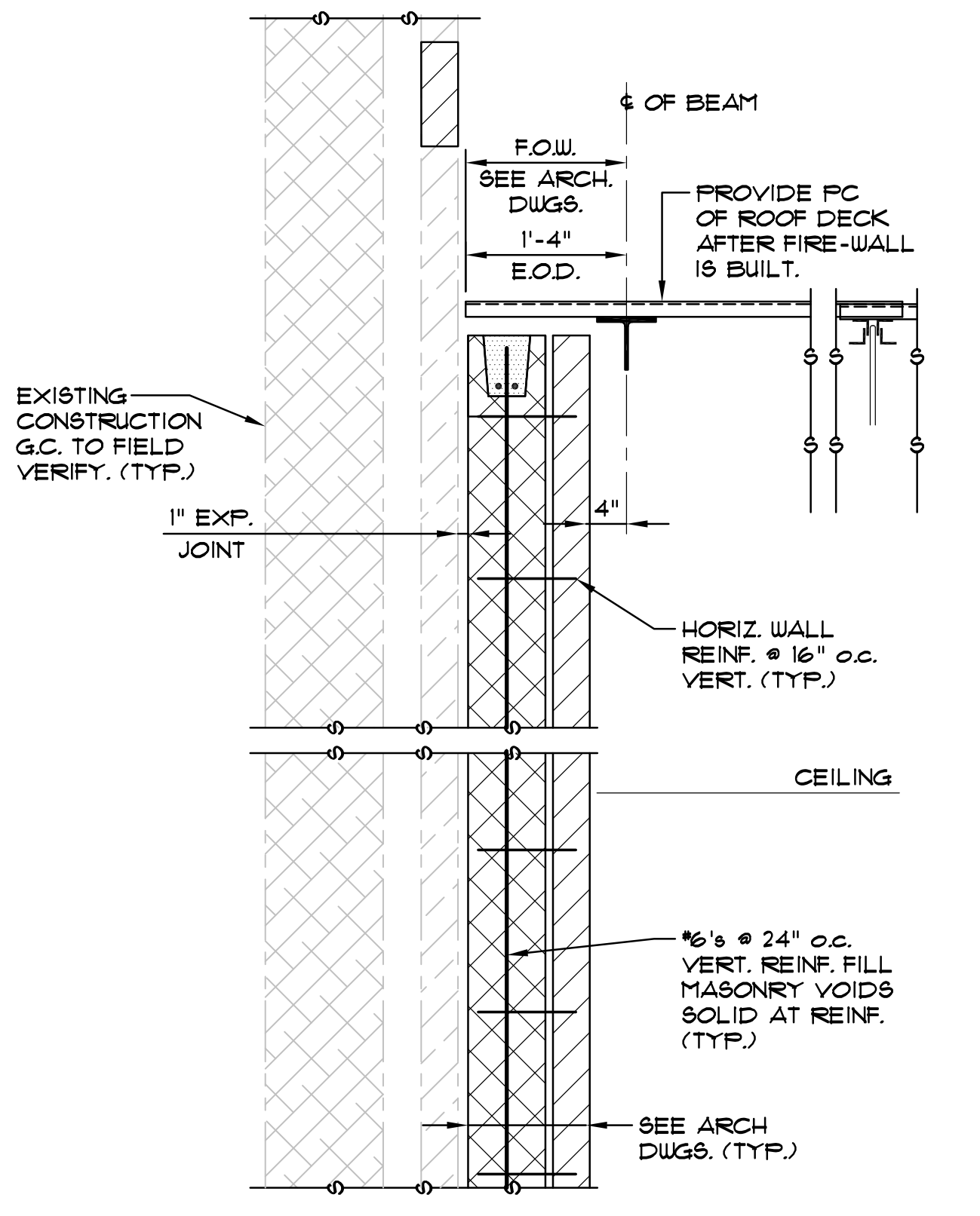
SECTION - R23
3/4"=1'-0"


℄ OF BEAM
F.O.W.
SEE ARCH. DWGS.
1'-4"
E.O.D.
PROVIDE PC OF ROOF DECK AFTER FIRE-WALL IS BUILT.
EXISTING CONSTRUCTION G.C. TO FIELD VERIFY. (TYP.)
1" EXP. JOINT
4"
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
CEILING
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

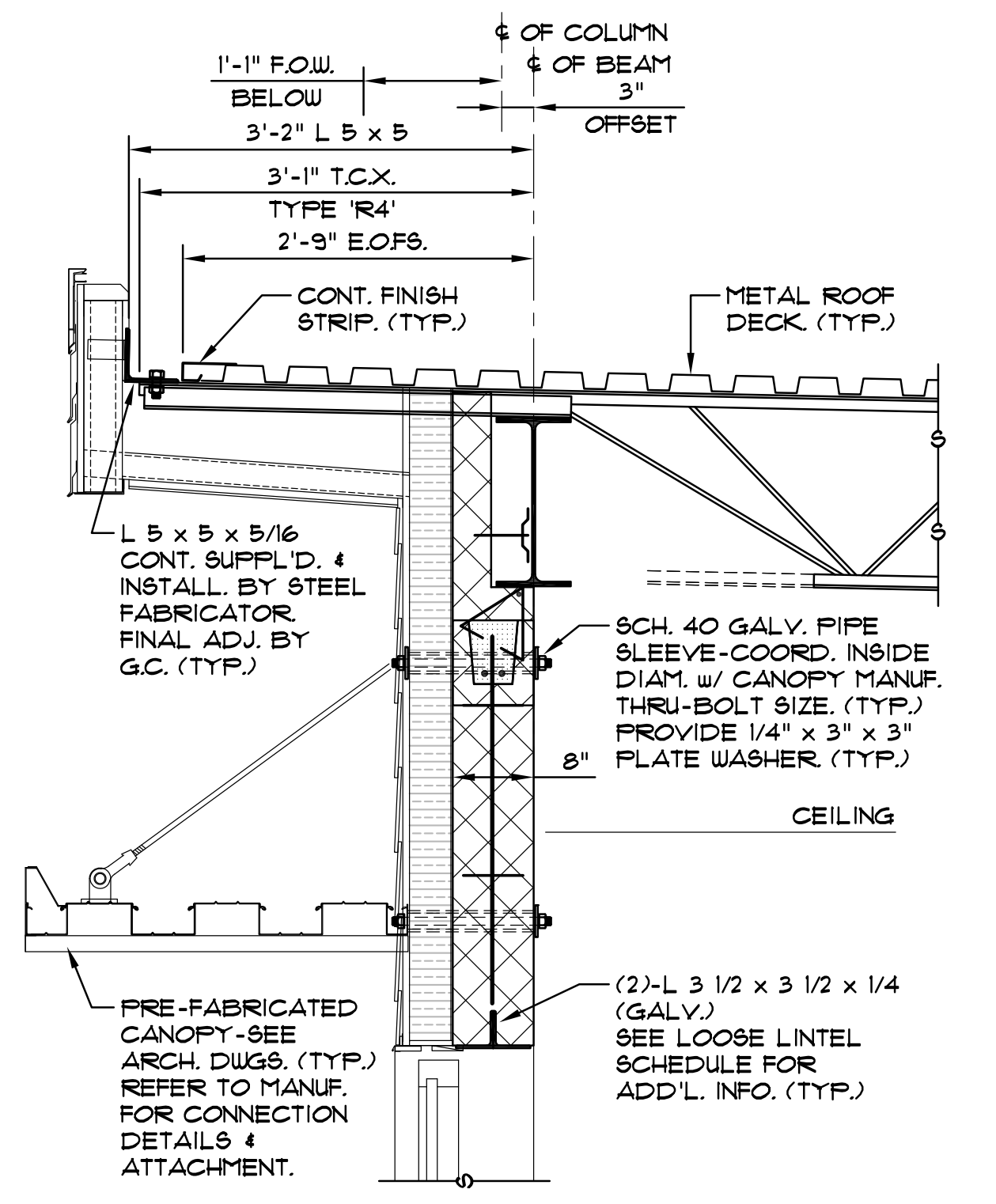
SECTION - R24
3/4"=1'-0"


℄ OF BEAM
F.O.W.
SEE ARCH. DWGS.
1'-4"
E.O.D.
PROVIDE PC OF ROOF DECK AFTER FIRE-WALL IS BUILT.
EXISTING CONSTRUCTION G.C. TO FIELD VERIFY. (TYP.)
1" EXP. JOINT
4"
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
CEILING
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

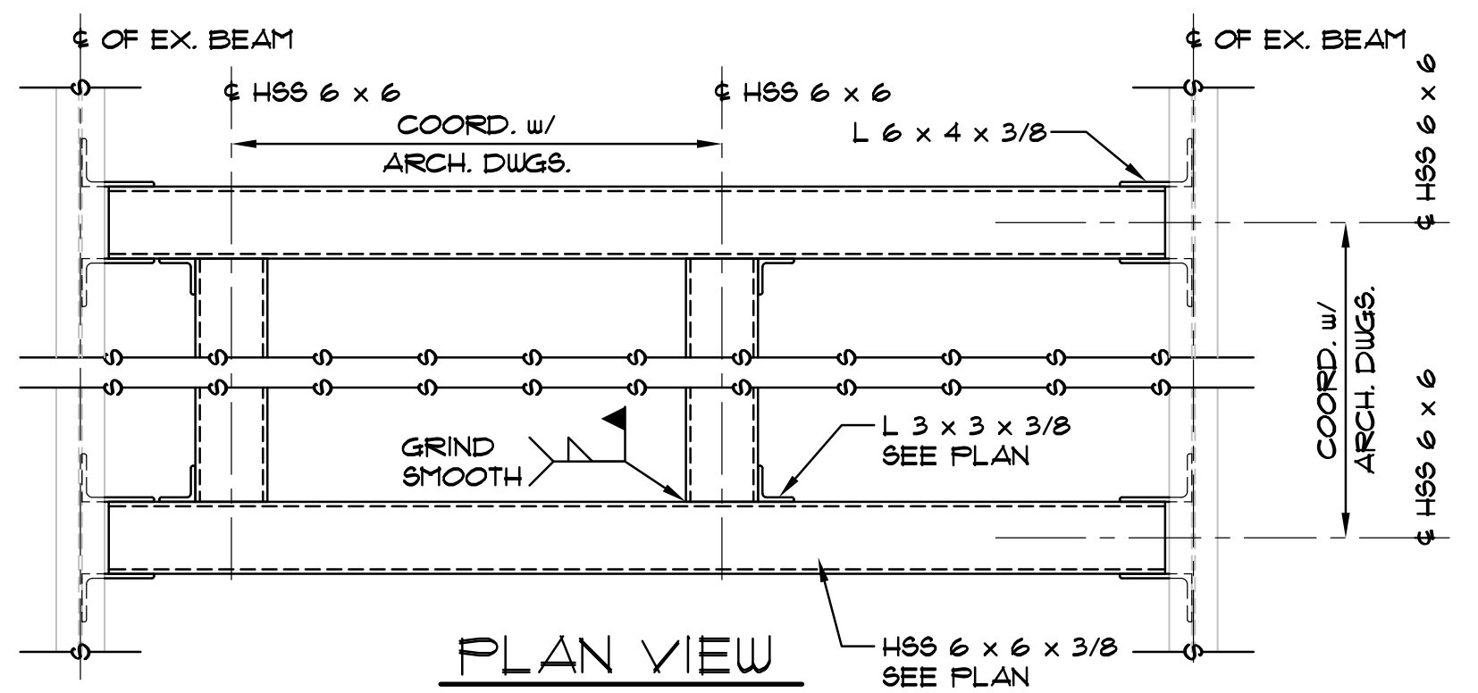
SECTION - R25
3/4"=1'-0"


℄ OF BEAM
F.O.W.
SEE ARCH. DWGS.
1'-4"
E.O.D.
PROVIDE PC OF ROOF DECK AFTER FIRE-WALL IS BUILT.
EXISTING CONSTRUCTION G.C. TO FIELD VERIFY. (TYP.)
1" EXP. JOINT
4"
HORIZ. WALL REINF. @ 16" o.c. VERT. (TYP.)
CEILING
#6's @ 24" o.c. VERT. REINF. FILL MASONRY VOIDS SOLID AT REINF. (TYP.)
SEE ARCH DWGS. (TYP.)

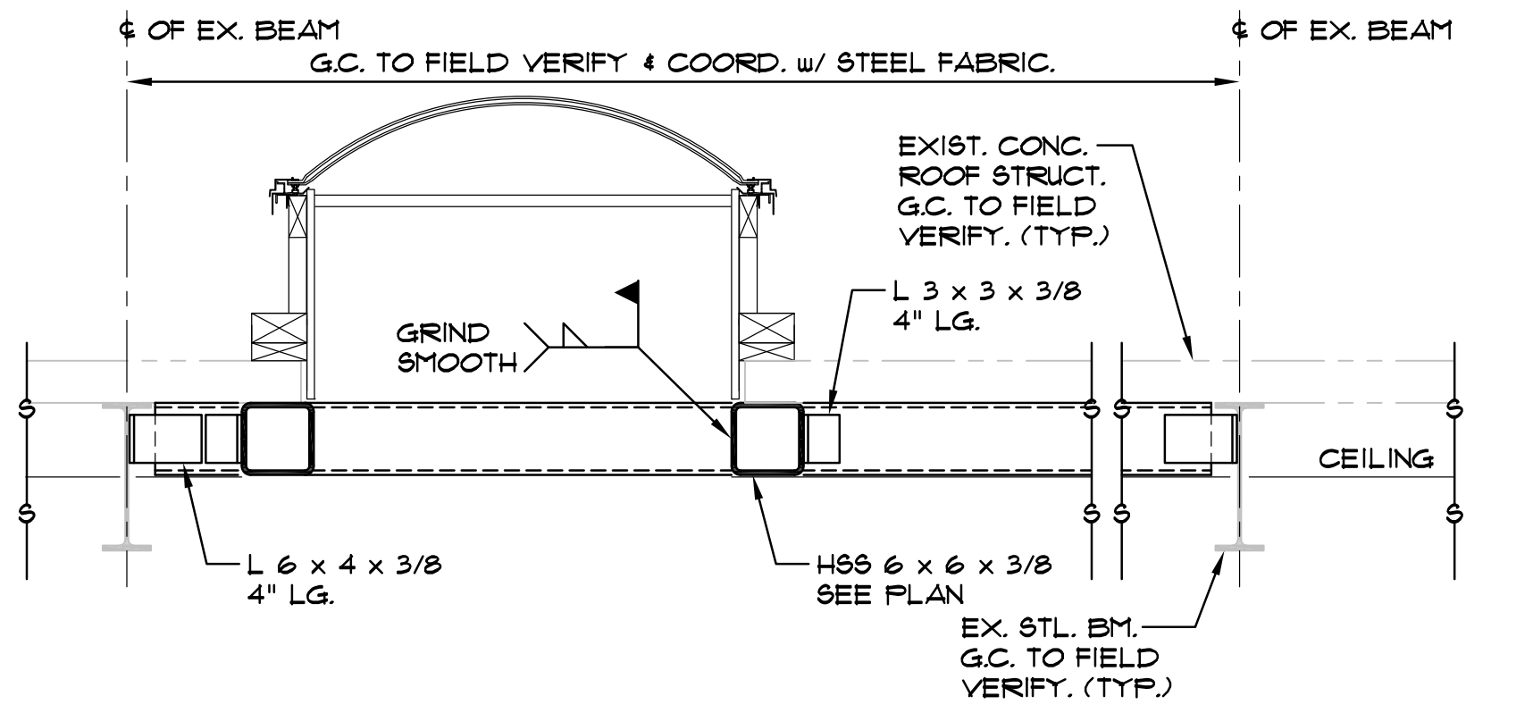
SECTION - R26
3/4"=1'-0"


℄ OF COLUMN
℄ OF BEAM
1'-1" F.O.W. BELOW
3"
OFFSET
3'-2" L 5 x 5
3'-1" T.C.X.
TYPE 'R4'
2'-9" E.O.F.S.
CONT. FINISH STRIP. (TYP.)
METAL ROOF DECK. (TYP.)
L 5 x 5 x 5/16 CONT. SUPPL'D. & INSTALL. BY STEEL FABRICATOR. FINAL ADJ. BY G.C. (TYP.)
SCH. 40 GALV. PIPE SLEEVE-COORD. INSIDE DIAM. w/ CANOPY MANUF. THRU-BOLT SIZE. (TYP.) PROVIDE 1/4" x 3" x 3" PLATE WASHER. (TYP.)
8"
CEILING
PRE-FABRICATED CANOPY-SEE ARCH. DWGS. (TYP.) REFER TO MANUF. FOR CONNECTION DETAILS & ATTACHMENT.
(2)-L 3 1/2 x 3 1/2 x 1/4 (GALV.) SEE LOOSE LINTEL SCHEDULE FOR ADD'L. INFO. (TYP.)

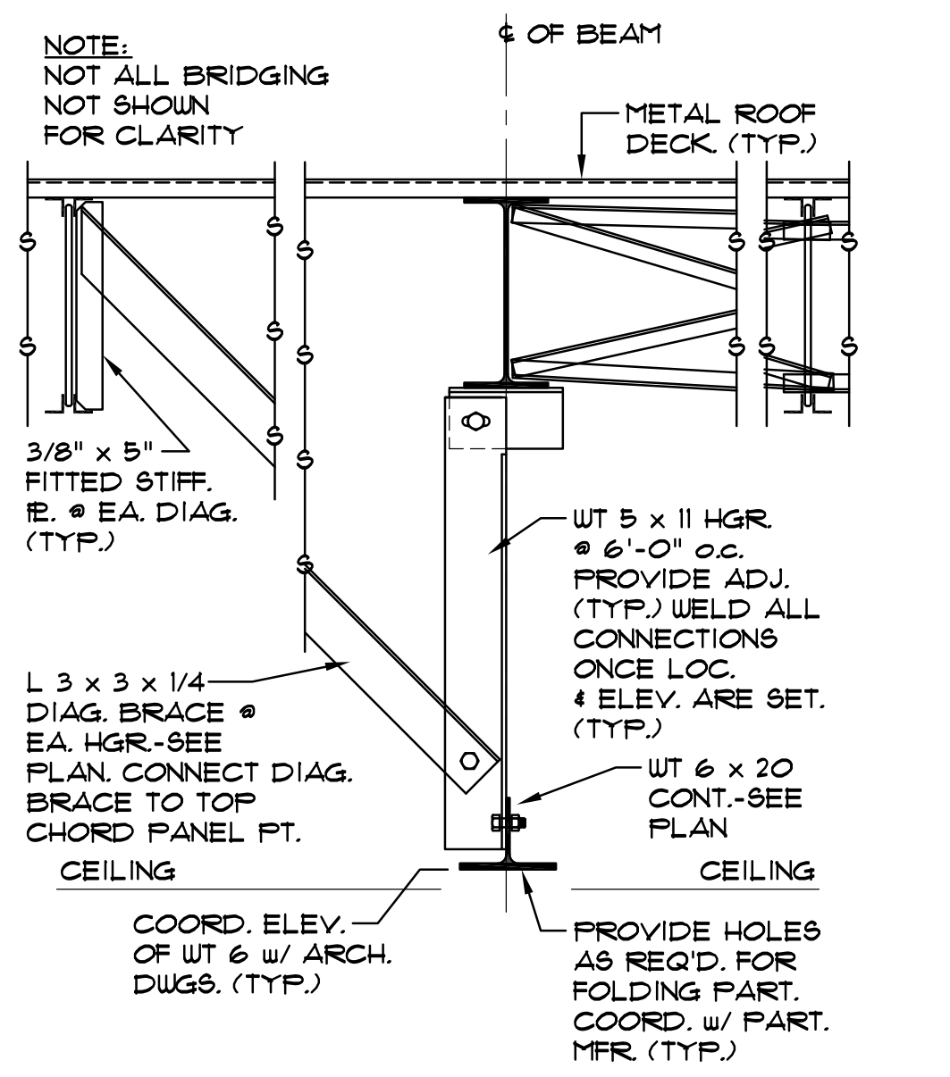
SECTION - R27
3/4"=1'-0"



PLAN VIEW
3/4"=1'-0"


℄ OF EX. BEAM
℄ OF EX. BEAM
G.C. TO FIELD VERIFY & COORD. w/ STEEL FABRIC.
EXIST. CONC. ROOF STRUCT. G.C. TO FIELD VERIFY. (TYP.)
L 3 x 3 x 3/8 4" LG.
GRIND SMOOTH
CEILING
L 6 x 4 x 3/8 4" LG.
HSS 6 x 6 x 3/8 SEE PLAN
EX. STL. BM. G.C. TO FIELD VERIFY. (TYP.)

SECTION - R28
3/4"=1'-0"


NOTE: NOT ALL BRIDGING NOT SHOWN FOR CLARITY
℄ OF BEAM
METAL ROOF DECK. (TYP.)
3/8" x 5" FITTED STIFF. ⅊. @ EA. DIAG. (TYP.)
WT 5 x 11 HGR. @ 6'-0" o.c. PROVIDE ADJ. (TYP.) WELD ALL CONNECTIONS ONCE LOC. & ELEV. ARE SET. (TYP.)
L 3 x 3 x 1/4 DIAG. BRACE @ EA. HGR.-SEE PLAN. CONNECT DIAG. BRACE TO TOP CHORD PANEL PT.
WT 6 x 20 CONT.-SEE PLAN
CEILING
CEILING
COORD. ELEV. OF WT 6 w/ ARCH. DWGS. (TYP.)
PROVIDE HOLES AS REQ'D. FOR FOLDING PART. COORD. w/ PART. MFR. (TYP.)

SECTION - FP1
3/4"=1'-0"

Drawing name: D:\Jobs\25118 - Littlebrook Elementary School 5516D - FVHD\25118 - Sections.dwg
Date: Feb 12, 2026 - 8:01pm

Harrison - Hamnett, P.C.
Consulting Structural Engineers
40 Knowles Street Pennington, New Jersey 08534
Ph: 609-818-1808 www.hhpccse.com

2 / 12 / 26
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02003100 | PA - RA410435

10/10/25
Architect Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
EST. 1915

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Additions and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln.
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

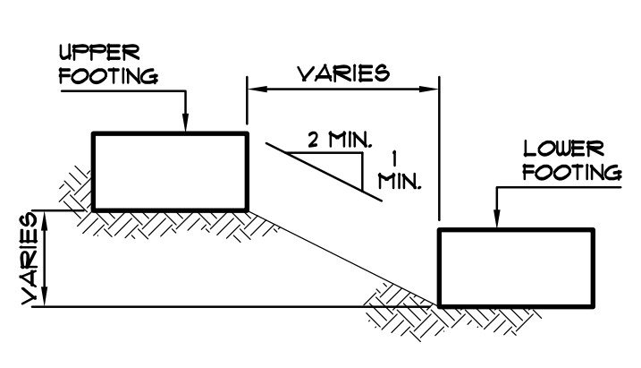
Scale
As Noted

Drawing Name
SECTIONS

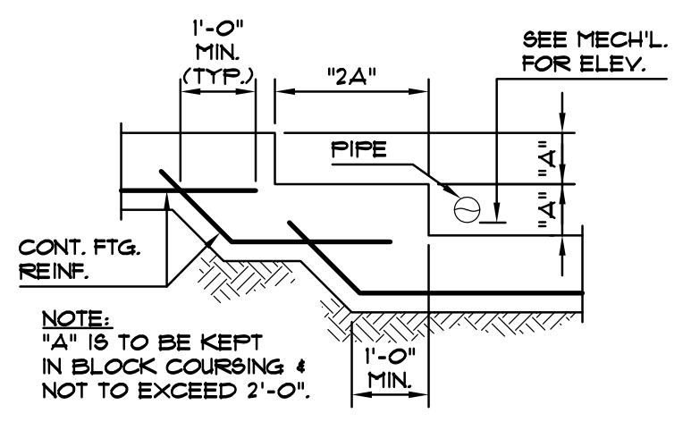
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.09.25	NJ DCA RESPONSES
	02.13.26	BID SET

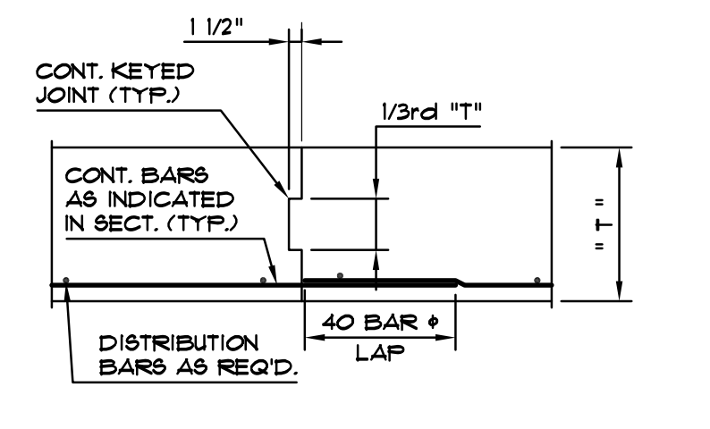
Drawing Number
S302



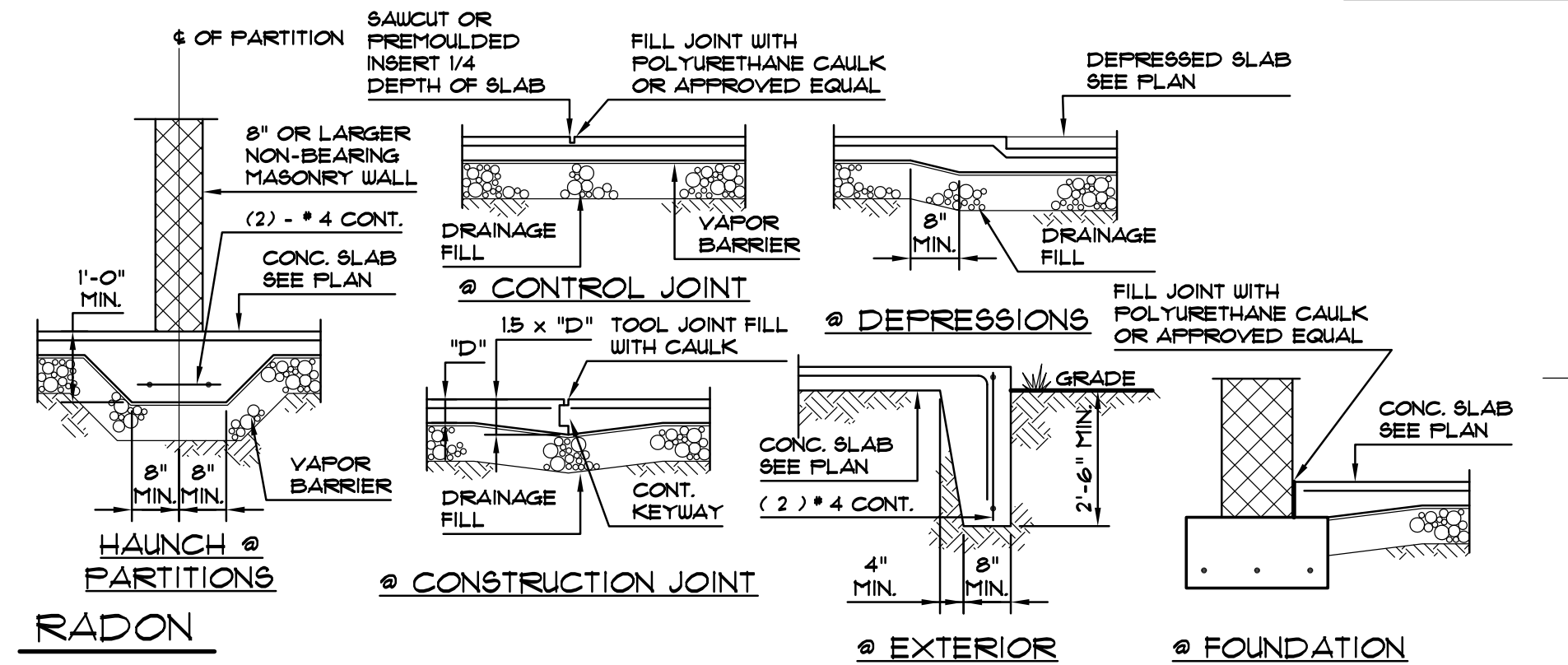
TYPICAL SLOPE BETWEEN FOOTINGS



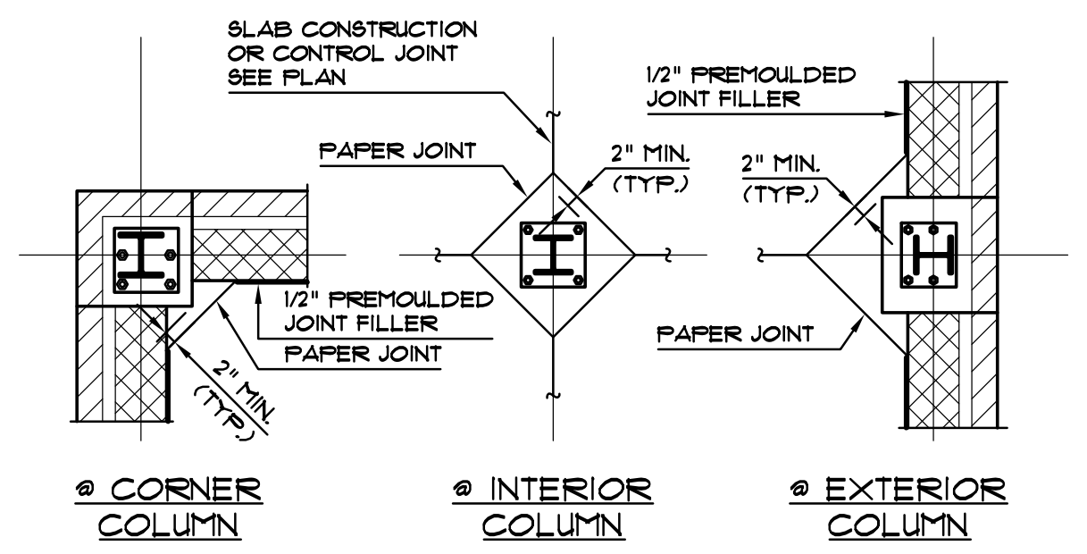
TYPICAL STEPPED FOOTING



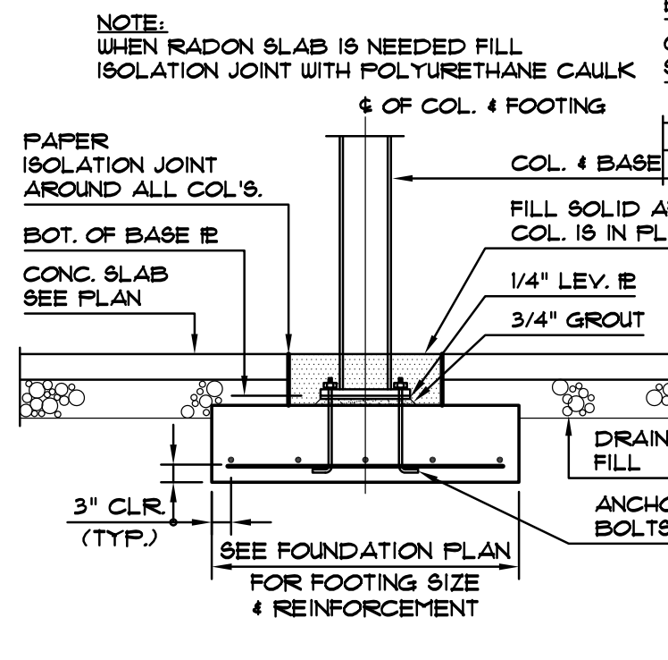
TYPICAL CONCRETE FOOTING CONSTRUCTION JOINT



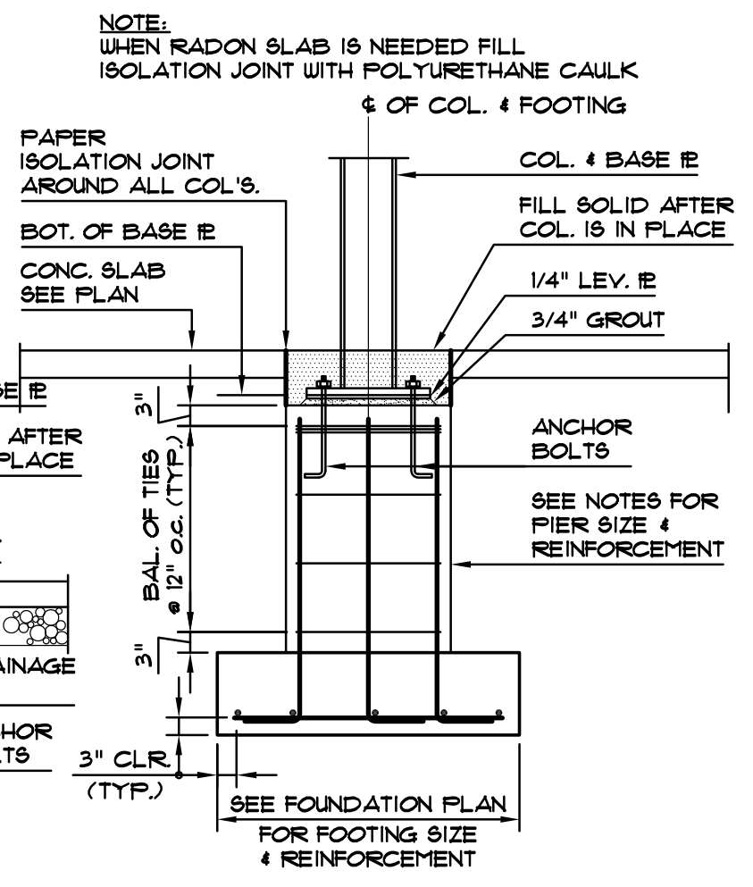
TYPICAL SLAB ON GRADE DETAILS



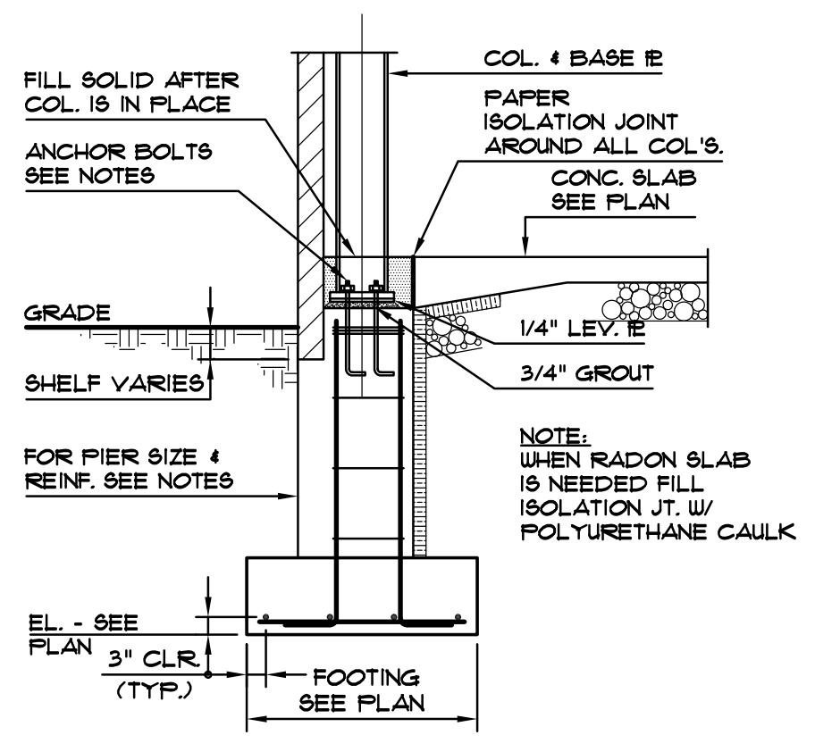
TYPICAL ISOLATION JOINT DETAILS


NOTE:
WHEN RADON SLAB IS NEEDED FILL ISOLATION JOINT WITH POLYURETHANE CAULK

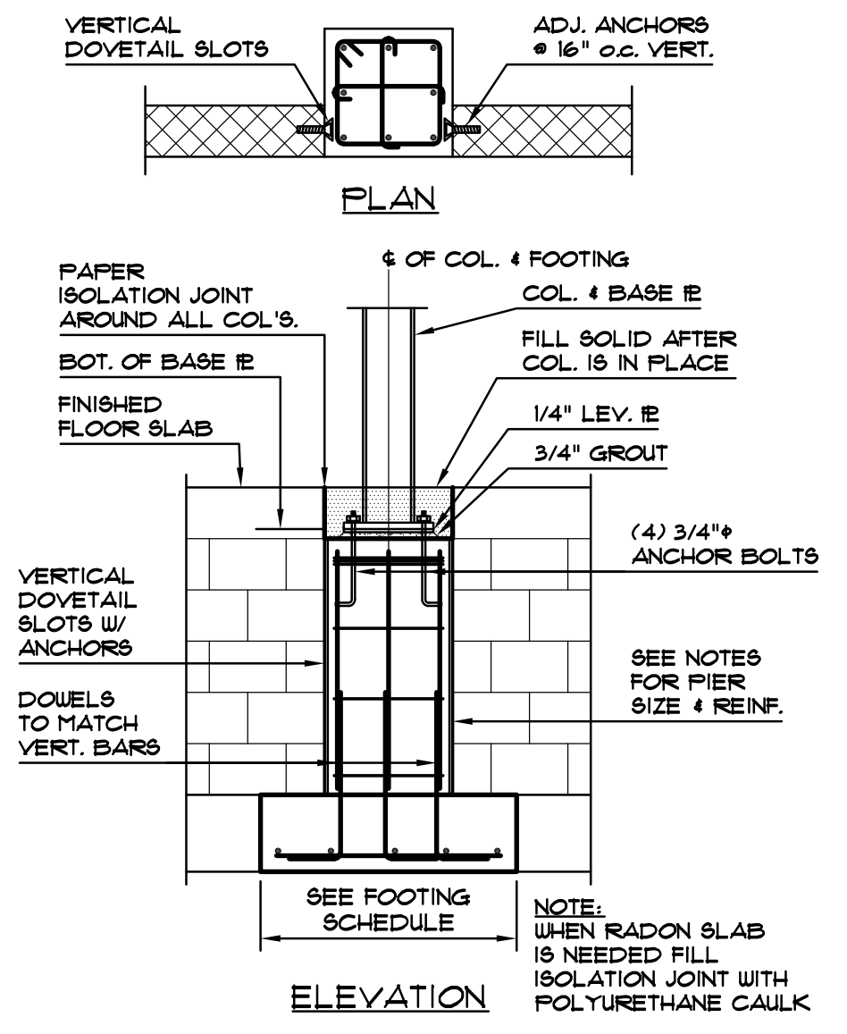
TYPICAL INTERIOR FOOTING


NOTE:
WHEN RADON SLAB IS NEEDED FILL ISOLATION JOINT WITH POLYURETHANE CAULK

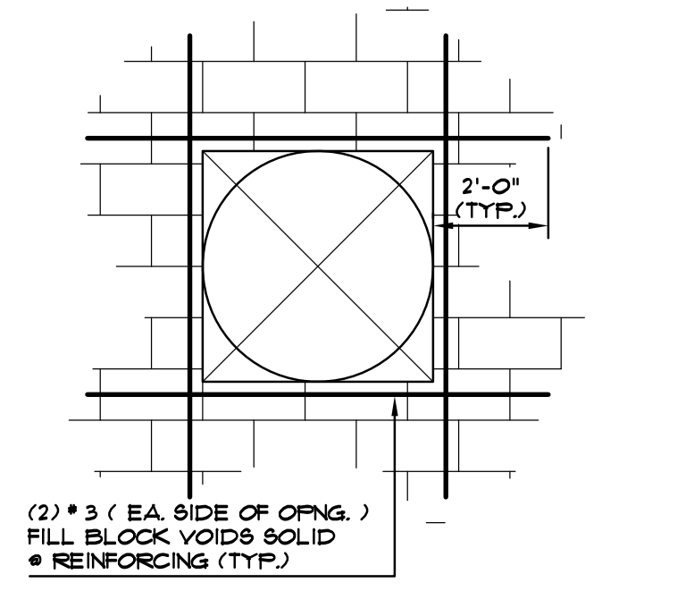
TYPICAL ISOLATED PIER & FOOTING DETAIL



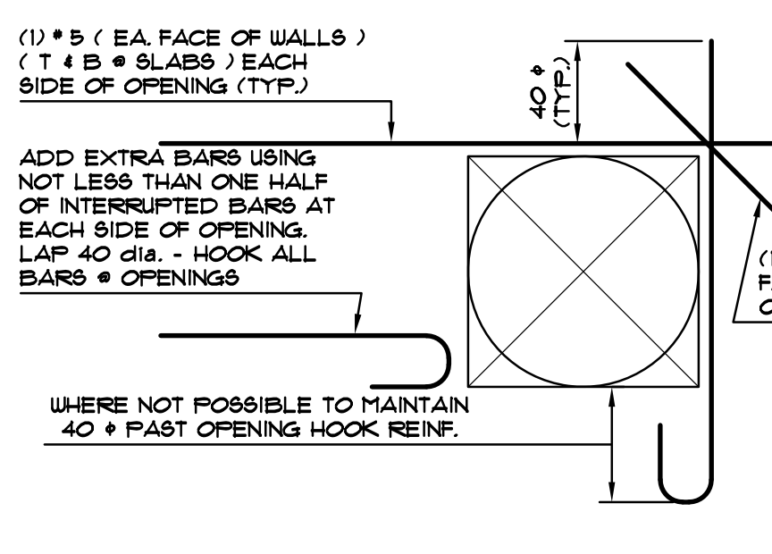
BRICK SHELF @ COLUMNS



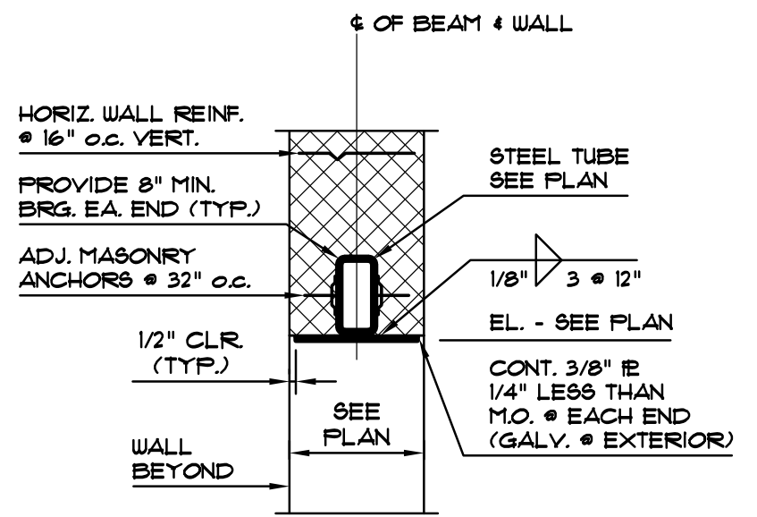
TYPICAL PIER & FOOTING DETAIL



TYPICAL REINFORCING @ OPENINGS IN MASONRY WALLS

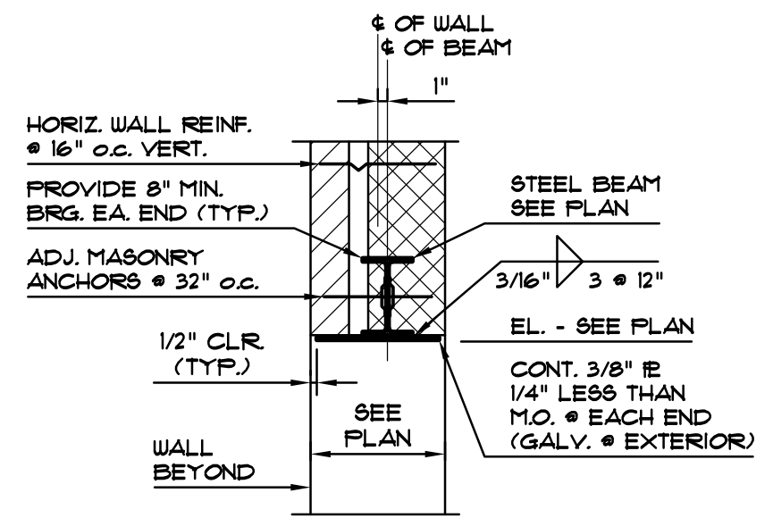


TYPICAL REINFORCING @ OPENINGS IN CONCRETE WALLS & SLABS


HORIZ. WALL REINF. @ 16" o.c. VERT.
PROVIDE 8" MIN. BRG. EA. END (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c.
1/2" CLR. (TYP.)
WALL BEYOND
SEE PLAN
STEEL TUBE SEE PLAN
1/8" 3 @ 12"
EL. - SEE PLAN
CONT. 3/8" ℞ 1/4" LESS THAN M.O. @ EACH END (GALV. @ EXTERIOR)

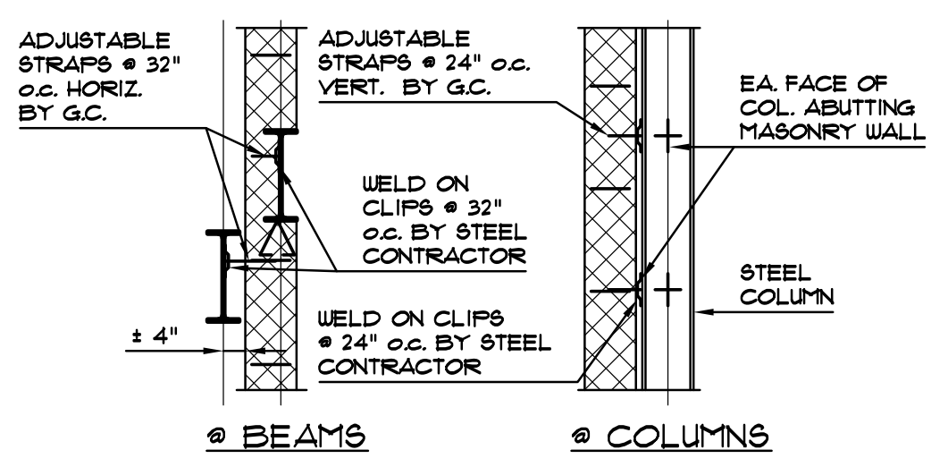
NOTE:
WHERE OPENING OCCURS NEXT TO COL. (1'-4" OR LESS) CONNECT LINTEL TO COLUMN. WHERE OPENING OCCURS NEXT TO EXPOSED COLUMN COPE ℞ AROUND COL. FACE.

TYPICAL TUBE LINTEL DETAIL


HORIZ. WALL REINF. @ 16" o.c. VERT.
PROVIDE 8" MIN. BRG. EA. END (TYP.)
ADJ. MASONRY ANCHORS @ 32" o.c.
1/2" CLR. (TYP.)
WALL BEYOND
SEE PLAN
STEEL BEAM SEE PLAN
3/16" 3 @ 12"
EL. - SEE PLAN
CONT. 3/8" ℞ 1/4" LESS THAN M.O. @ EACH END (GALV. @ EXTERIOR)

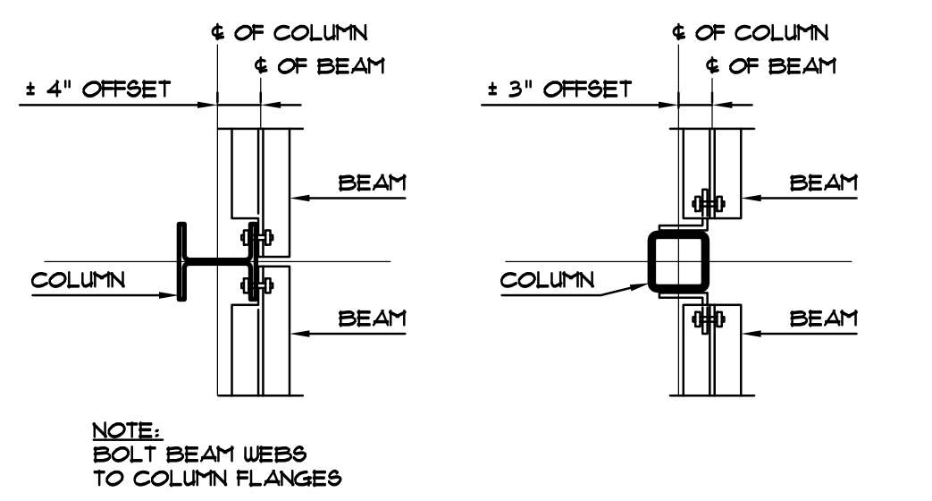
NOTE:
WHERE OPENING OCCURS NEXT TO COL. (1'-4" OR LESS) CONNECT LINTEL TO COLUMN. WHERE OPENING OCCURS NEXT TO EXPOSED COLUMN COPE ℞ AROUND COL. FACE.

TYPICAL BEAM LINTEL DETAIL

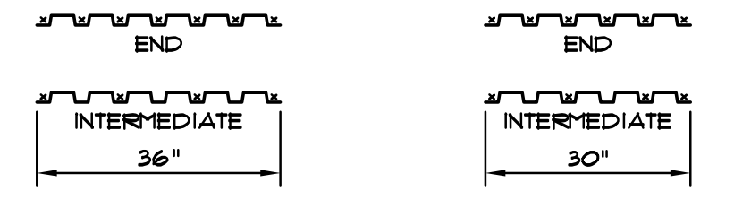

WELD ON CLIPS @ 32" o.c. BY STEEL CONTRACTOR
WELD ON CLIPS @ 24" o.c. BY STEEL CONTRACTOR
STEEL COLUMN
@ BEAMS
@ COLUMNS

NOTES:
1. PROVIDE WELD ON ADJUSTABLE MASONRY ANCHORS ON ALL BEAMS & COLUMNS ABUTTING MASONRY WALLS.
2. USE HOHMANN&BARNARD (OR APPROVED EQUAL) # 301W OR #VBT ADJUSTABLE STRAPS BY G.C. & # 359 WELD ON CLIPS BY STEEL CONTR. USE #359FP W/ BACKPLATE @ FIREPROOFED AREAS.
3. ANCHORS TO BE KEPT IN BLOCK COURSING.
4. STEEL CONTRACTOR SHALL COORDINATE LOCATION WITH ARCH'L. DRAWINGS PRIOR TO FABRICATION.
5. OMIT MASONRY ANCHORS @ ALL FIRE WALLS.

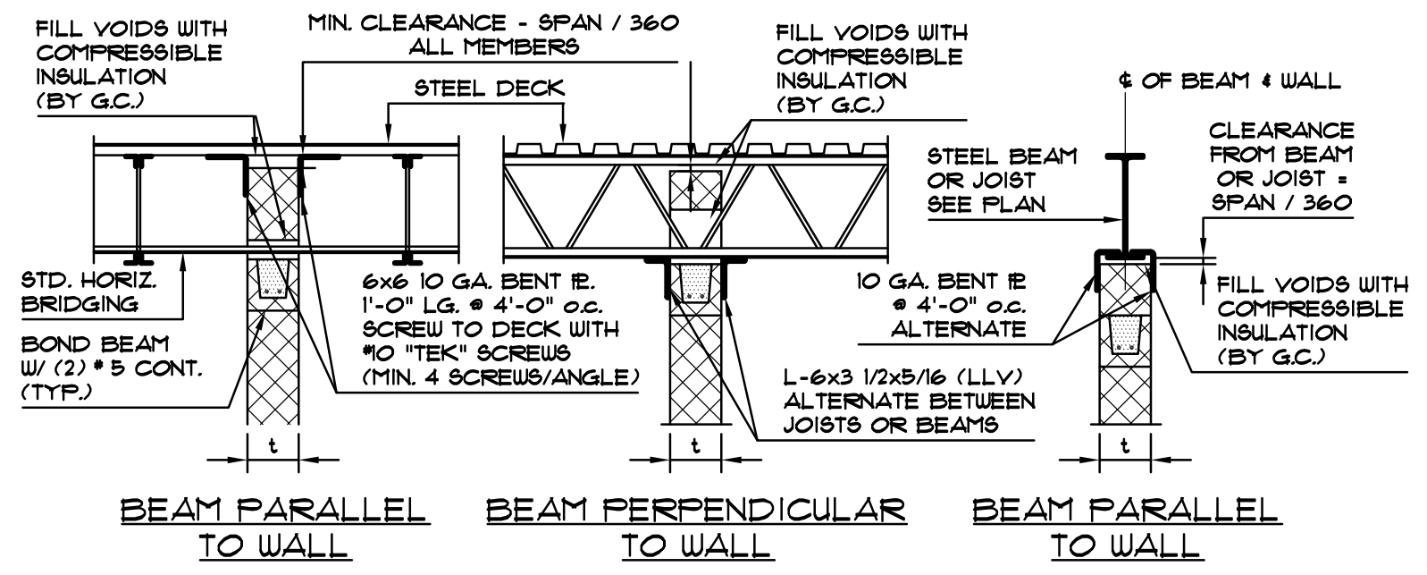
TYPICAL MASONRY ANCHORS



TYPICAL BEAM OFFSET CONNECTIONS

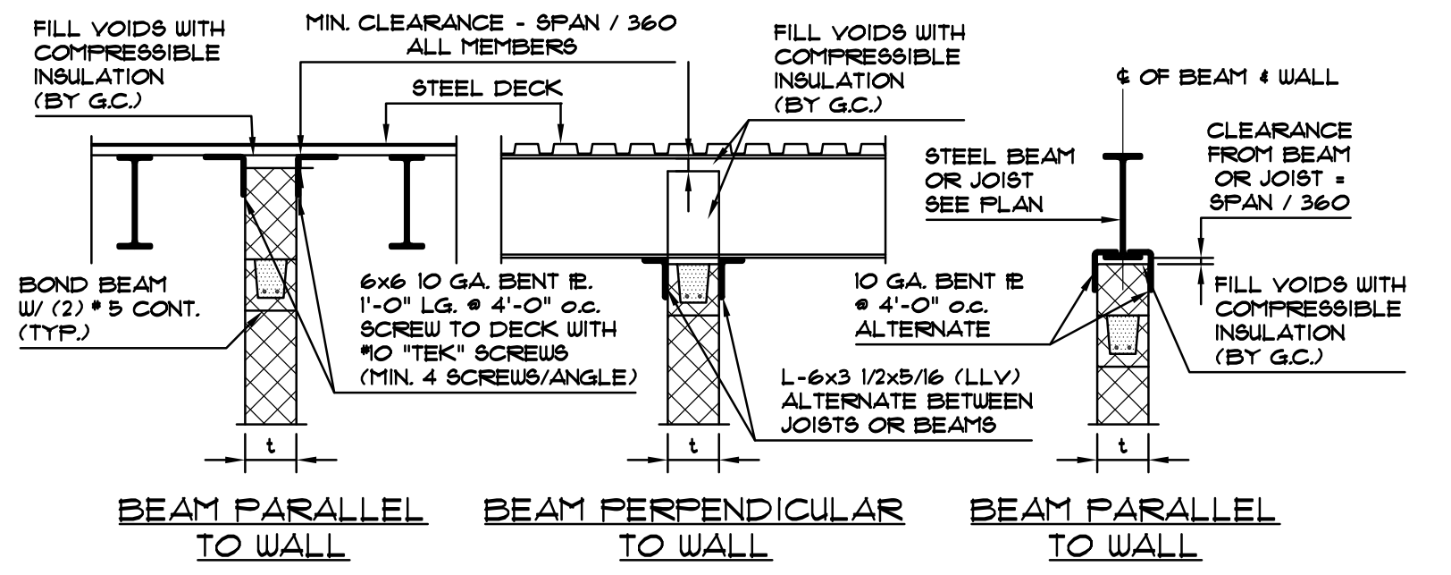


ROOF DECK WELDING PATTERN



NOTE:
ALL STEEL (EXCEPT 10 GA. BENT ℞) SUPPLIED BY STEEL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. 10 GA. BENT ℞ SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR

TYPICAL MASONRY WALL UP TO STEEL DECK DETAILS



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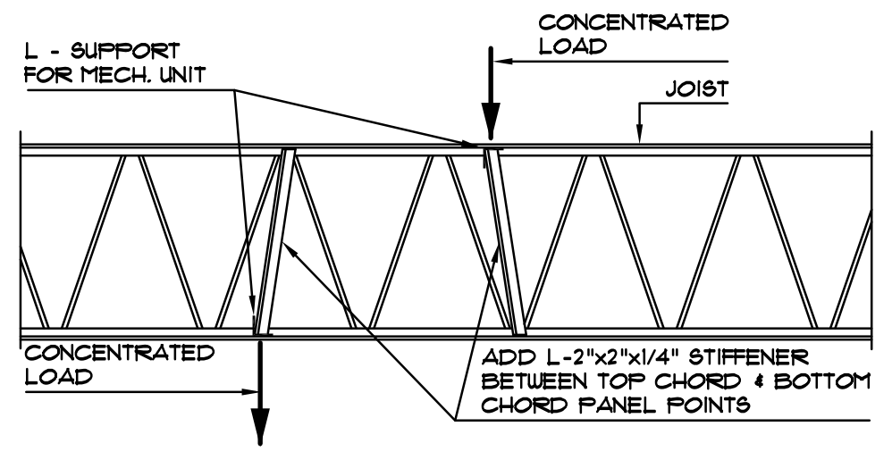
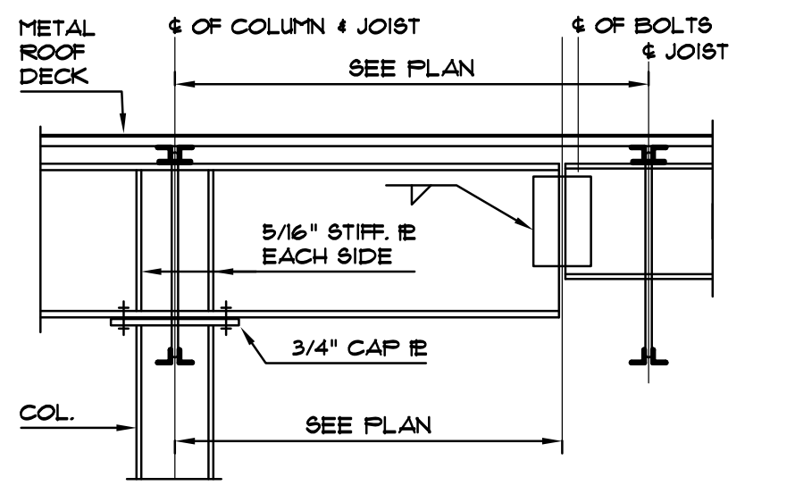
TYPICAL MASONRY WALL UP TO STEEL DECK DETAILS

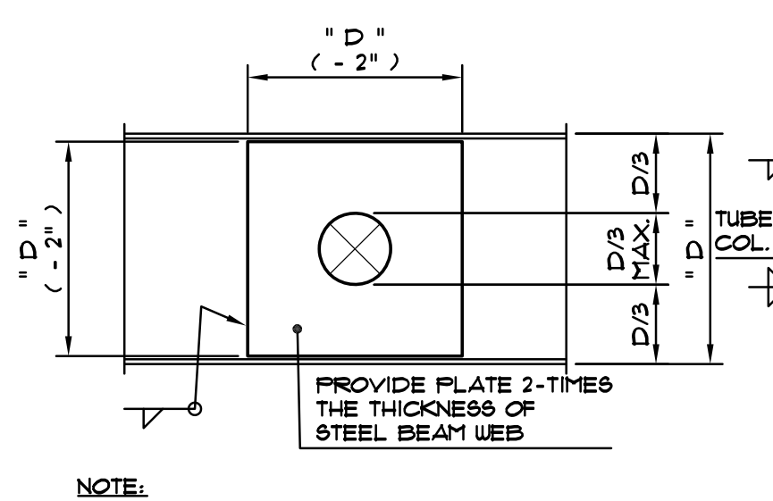

L - SUPPORT FOR MECH. UNIT
CONCENTRATED LOAD
JOIST
CONCENTRATED LOAD
ADD L-2"x2"x1/4" STIFFENER BETWEEN TOP CHORD & BOTTOM CHORD PANEL POINTS

NOTE:
SUPPORTING LOAD AT CONDENSERS, MECHANICAL UNITS AND ALL CONCENTRATED LOADS GREATER THAN 300 lbs. OMIT IF LOAD IS WITHIN 3" OF A PANEL POINT.

TYPICAL DETAIL OF REINF'D. JOIST

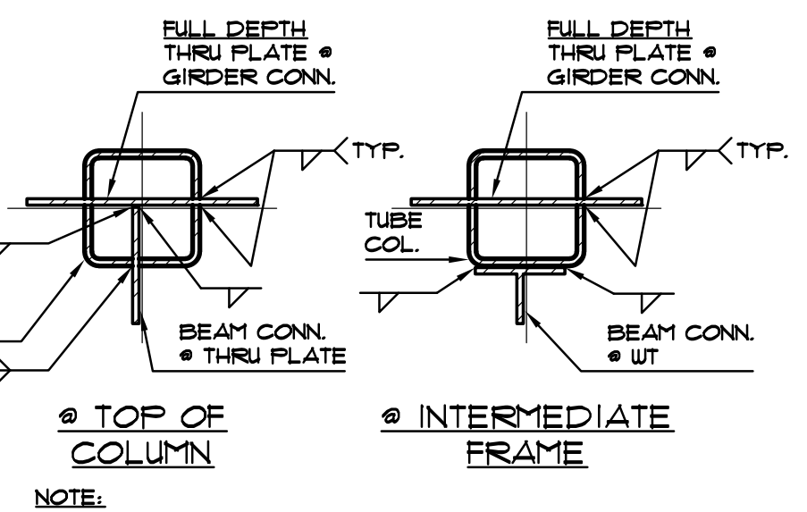


TYPICAL CANTILEVER CONNECTION



NOTE:
LOCATE OPENINGS IN MIDDLE 1/3 OF BEAM SPAN

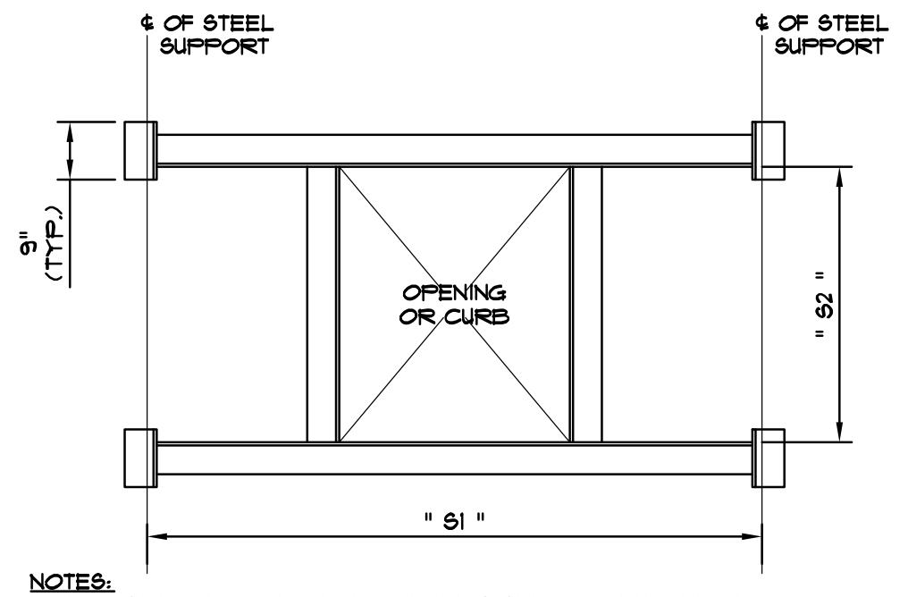
TYPICAL REINF. DETAIL FOR OPENINGS IN STEEL BEAMS



NOTE:
WHERE A SINGLE ROW OF ¾"φ BOLTS DOES NOT MEET THE CONNECTION REQUIREMENTS STATED IN THE GENERAL NOTES PROVIDE A FULL DEPTH SINGLE ROW OF 1"φ BOLTS BEFORE USING A DOUBLE ROW OF BOLTS

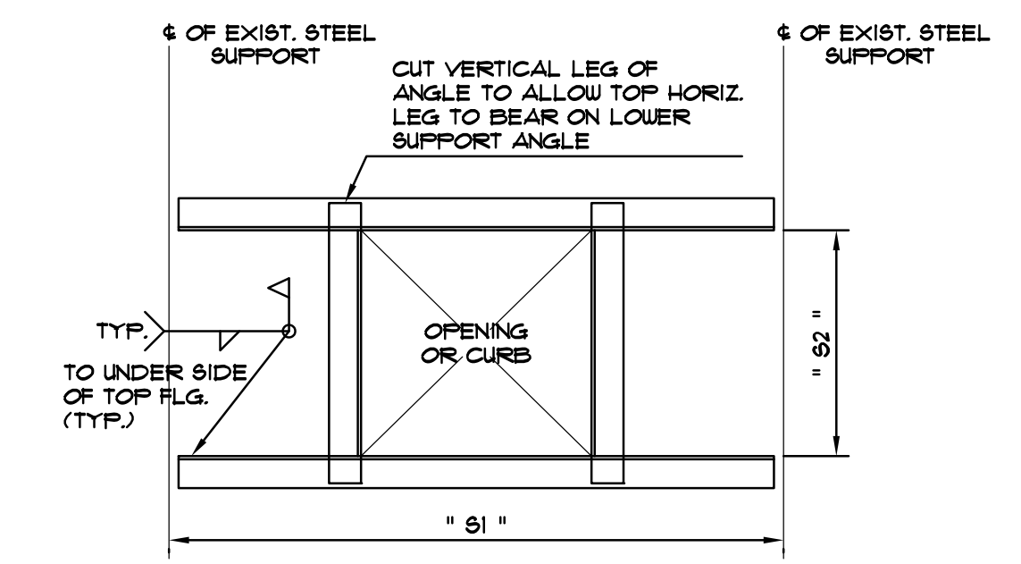
TYPICAL THRU PLATE DETAIL

(@ TUBE COLUMN)



NOTES:
1. FOR SIZE & LOCATION OF OPENINGS SEE ARCHITECTURAL & MECHANICAL DRAWINGS.
2. STEEL CONTRACTOR SHALL VERIFY ALL OPENINGS AND EXACT LOCATIONS WITH THE TRADE CONTRACTOR REQUIRING SAID OPENINGS PRIOR TO FABRICATION & ERECTION OF STEEL FRAMES.
3. PROVIDE STEEL FRAMES AS SHOWN AROUND ALL REQUIRED OPENINGS LARGER THAN 8" AT ROOF.
4. PROVIDE STEEL ANGLES ON ALL SIDES OF OPENINGS UNLESS BEAM IS SHOWN ON PLAN. ANGLE SIZES TO BE:
FOR "S1" OR "S2" ≤ 6'-6" L-4"x4"x5/16"
FOR "S1" OR "S2" > 6'-6" L-6"x6"x3/8"
5. PROVIDE STEEL ANGLES ON ALL SIDES OF MECH'L CURBS UNLESS BEAM IS SHOWN ON PLAN. ANGLE SIZES TO BE L-6"x6"x3/8".
6. FOR SIZE & LOCATION OF MECH'L UNITS, SEE ARCH'L & MECH'L DWGS.

TYPICAL DETAIL @ ROOF OPENING & UNDER MECH'L CURB


¢ OF EXIST. STEEL SUPPORT
CUT VERTICAL LEG OF ANGLE TO ALLOW TOP HORIZ. LEG TO BEAR ON LOWER SUPPORT ANGLE
¢ OF EXIST. STEEL SUPPORT
TYP.
TO UNDER SIDE OF TOP FLG. (TYP.)
OPENING OR CURB
" S2 "
" S1 "

NOTES:
1. FOR SIZE & LOCATION OF OPENINGS SEE ARCHITECTURAL & MECHANICAL DRAWINGS.
2. STEEL CONTRACTOR SHALL VERIFY ALL OPENINGS AND EXACT LOCATIONS WITH THE TRADE CONTRACTOR REQUIRING SAID OPENINGS PRIOR TO FABRICATION & ERECTION OF STEEL FRAMES.
3. PROVIDE STEEL FRAMES AS SHOWN AROUND ALL REQUIRED OPENINGS LARGER THAN 8" AT ROOF.
4. PROVIDE STEEL ANGLES ON ALL SIDES OF OPENINGS UNLESS BEAM IS SHOWN ON PLAN. ANGLE SIZES TO BE:
FOR "S1" OR "S2" ≤ 6'-6" L-4"x4"x5/16"
FOR "S1" OR "S2" > 6'-6" L-6"x6"x3/8"
5. PROVIDE STEEL ANGLES ON ALL SIDES OF MECH'L CURBS UNLESS BEAM IS SHOWN ON PLAN. ANGLE SIZES TO BE L-6"x6"x3/8".
6. FOR SIZE & LOCATION OF MECH'L UNITS, SEE ARCH'L & MECH'L DWGS.

TYPICAL OPNG. DETAIL @ EXIST'G. ROOF & UNDER MECH'L CURB

NOTES:
UNLESS OTHERWISE SPECIFIED ON DRAWINGS PROVIDE & INSTALL LINTELS FOR ALL SQUARE HEAD MASONRY OPENINGS IN ALL MASONRY WALLS IN ACCORDANCE WITH THE FOLLOWING SCHEDULES & COMMENTS.

LOOSE LINTEL SCHEDULE

(FOR 4", 8", 12", & 16" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
UP TO 4'-0"	L - 3 1/2" x 3 1/2" x 1/4"	
4'-1" TO 6'-0"	L - 5" x 3 1/2" x 5/16"	
6'-1" TO 8'-0"	L - 6" x 3 1/2" x 5/16"	
OVER 8'-0"	W 8 x 18 + ℞	

LOOSE LINTEL SCHEDULE

(FOR 6" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
2'-0" TO 6'-0"	WT 7 x 11	
6'-1" TO 8'-0"	WT 8 x 13	

NOTES:
1. PROVIDE ONE (1) ANGLE FOR EACH 4" OF MASONRY WIDTH.
2. BEAR LINTELS 6" MINIMUM EACH SIDE OF OPENING.
3. ALL LINTELS IN EXTERIOR WALLS TO BE GALVANIZED.
4. WHERE OPENINGS LOCATED NEXT TO COLUMNS OR BEAMS, ATTACH TO STRUCTURAL STEEL, CONNECTION NOT TO PROTRUDE INTO OPENING.
5. CONSULT ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR OPENING SIZE & LOCATION.

GENERAL NOTES

FOUNDATION

1. All footings shall bear on soil having a minimum safe bearing capacity of tons per square foot. Confirm in field prior to placing footings.
2. Elevations given correspond to the computed bottom of footings and are minimum depths which are not to be construed as limiting in any way the depth required to reach good bearing.
3. No footings shall be placed in water or on frozen ground.
4. No fill or backfill shall be placed over or against work at such time or in such a manner which would endanger the stability or otherwise damage such work.
5. See soils report dated May 2025 by Ingram Engineering Services, Inc. for requirements concerning preparation of soil for foundations.

CAST-IN-PLACE CONCRETE

1. All concrete work shall conform to the latest edition of the ACI Building Code.
2. All concrete, except slabs on grade, shall attain 3000 PSI compressive strength at 28 days. All concrete for slabs on grade shall attain 3500 PSI compressive strength at 28 days.

REINFORCING

1. All reinforcing bar details shall conform to the latest ACI code and detailing manual.
2. All bars shall be ASTM A-615, Grade 60.
3. Welded wire fabric shall be ASTM A-185.
4. Clearance of main reinforcing from adjacent surfaces unless shown otherwise shall be:
   - A. Unformed surfaces in contact with ground or exposed to the weather: 3"
   - B. Bottom surfaces of slabs on grade: 3"
   - C. Formed surfaces in contact with ground or exposed to weather:
     1. #5 bars or smaller: 1-1/2"
     2. Bars larger than #5: 2"
   - D. Exterior wall surfaces: 2"
   - E. In all cases not less than the diameter of the bar.
5. All reinforcement shall be inspected and approved before concrete is poured.
6. Tolerances for placing reinforcing shall be:
   - A. +or- 1/4 inch for members with an effective depth of 24 inches or less.
   - B. +or- 1/2 inch for members with an effective depth of more than 24 inches.
7. Where continuous bars are called for, they shall be run continuously around corners and lapped at necessary splices or hooked at discontinuous ends. Laps shall be 40 bar diameters. Bar laps may be offset to avoid control or construction joints.
8. Electrical Contractor to provide grounding electrode system as required by NEC section 250-52(a). Coordinate location and schedule with General Contractor.

UNDERPINNING NOTES

1. Existing wall to be underpinned the entire length as shown on the drawings in 3'-0" maximum sections. Decrease length of sections if pieces of existing foundation wall become loose.
2. Existing columns and piers adjacent to existing walls to be underpinned prior to underpinning any walls.
3. The procedure for underpinning the existing columns and piers are as follows. Divide column or pier footing into three equal sections across the width of the footing. Underpin the existing column or pier footings in the following sequence:
   - a. the outer right section,
   - b. the outer left section,
   - c. the center section.

   Place concrete beneath each section of footing as specified in 5.
4. Underpin walls in alternating sequence, skipping two 3 foot sections between each underpinned section.
5. Place underpinning concrete in each pit to an elevation of 3 inches below bottom of existing foundations. Allow concrete to set for 24 hours and then "dry pack" the remaining 3 inches. Dry pack mix to be 1 part cement, 2 1/2 parts sand, and 1/10 parts water.
6. Contractor is responsible to shore existing structure and soil excavation as necessary during construction.
7. Procedure for underpinning chimneys is same as for columns and piers.

STRUCTURAL STEEL

1. All structural steel details shall be designed in accordance with the latest issue of the American Institute of Steel Construction (AISC), "Specification for Structural Steel Buildings - Allowable Stress Design and Plastic Design".
2. Connections shall be designed to develop the full strength of the member over the required span, 1 1/2 times for composite members.
3. Provide double angle connections at all beam to wide flange columns and beam to beam connections whenever possible. The steel fabricator must notify the Structural Engineer if there are to be any changes. See Typical Thru-Pl Detail for beam to tube column connections.
4. Field connections shall be made by high strength bolts 3/4" minimum in diameter or welded as shown on drawings.
5. All pipe shapes shall be ASTM A53, Grade B, Fy= 35 KSI.
6. All tubes shapes shall be ASTM A500, Grade B, FY=46 KSI.
7. All structural wide flange shapes to be ASTM A-992/A572, Grade 50.
8. All steel plates, angles, channels are to be ASTM A-36 unless indicated otherwise.

STEEL JOISTS

1. All standard bar joists, materials, and workmanship shall conform to the latest edition of the S.J.I. "Standard Specifications for Openweb Joists, K Series" or "Standard Specifications for Longspan Steel Joist, LH-Series and Deep Longspan Steel Joists, DLH-Series."
2. Do not load joists until bridging is installed.

STEEL ROOF DECK

1. Deck shall be 20 gage galvanized 1.5" wide rib variety (Type B) continuous over at least 3 spans.
2. Deck to be installed as per manufacturer's recommendations.

MASONRY REQUIREMENTS

1. All block work shall be in accordance with IBC2021 w/ NJ Modification and other applicable codes.
2. All block shall be lightweight aggregate and conform to ASTM C 90.
3. Mortar shall be ASTM C 270, Type M for below grade and Type M or S for above grade work.
4. Where block fill is called for on drawings, use Type M mortar or concrete with a compressive strength of 2500 PSI in accordance with ASTM C 476, and installed in accordance with ACI-531 for high or low lift procedures.
5. All masonry walls are to have a #4 vertical reinforcing bars at ends, at intersections at corners and at a maximum spacing of 10 feet on centers. These reinforcing bars are to be full height and grouted solid. These bars may be spliced provided that a 40 bar diameter lap is maintained.
6. All openings are to have two #3 vertical reinforcing bars within 16 inches of each side and a bond beam top and bottom with two #3 bars (unless noted otherwise on plan). All reinforcing is to extend past the opening a minimum of 24 inches.
7. All masonry walls are to have a bond beam with two #4 bars within 16 inches of the top of the wall.
8. All running bond masonry walls are to have horizontal reinforcing at every other course. Where masonry is laid in other than running bond, horizontal joint reinforcement is to be provided at every horizontal joint. The horizontal wall reinforcing shall be No. 9 gage "Dur-o-wall" or equivalent. Provide fabricated corner sections at all corners.
9. All wall bearing beams are to have the masonry wall grouted solid a minimum of 8 inches each side of bearing location and two #4 vertical reinforcing bars full height at each grouted cell (maximum of four bars).
10. Coordinate masonry with all trades requiring items to be built-in.

MISCELLANEOUS

1. Contractor shall verify all dimensions, sections and elevations on the job.
2. Consult the Architectural, Mechanical and Electrical drawings for verification of location and dimensions of chases, inserts, openings, sleeves, washes, drips, reveals, depressions, equipment pads and other product requirements.
3. All walls shall be braced during construction until permanently restrained.
4. Reproductions of contract documents are not acceptable as shop drawings and will be rejected.
5. Contractor is responsible to shore the existing building as necessary during construction while new structural elements are being installed.

ROOF LOADING SCHEDULE

DEAD LOAD:

ROOFING	6.0	P.S.F.
INSULATION	2.0	P.S.F.
METAL ROOF DECK	2.0	P.S.F.
STEEL JOISTS	3.0	P.S.F.
STRUCTURAL STEEL	4.0	P.S.F.
MECH., ELEC.	2.0	P.S.F.
CEILING	1.0	P.S.F.
	20.0	P.S.F.

LIVE LOAD:

DESIGN LOAD	30.0	P.S.F.
GROUND SNOW LOAD (Pg)	30.0	P.S.F.
Ce = 1.0, I = 1.1, Ct = 1.0		
Pf = 0.7 x Ce x I x Ct x Pg =	23.1	P.S.F.
DRIFT LOADING TO	35.04	P.S.F.
DRIFT LENGTH	7.91 FEET	

LATERAL LOADING SCHEDULE

WIND LOAD: IBC 2021 - ASCE 7-16

BASIC WIND SPEED = 125 M.P.H.
RISK CATEGORY = III , EXPOSURE B
INTERNAL PRESSURE COEFF. GCpi = ± 0.18
COMPONENT & CLADDING
ROOF - 10 SF = - -53.4
WALLS - 10 SF = + 1.08, - -1.44

SEISMIC LOADING: IBC 2021 - ASCE 7-16

SEISMIC RISK CATEGORY - III
IMPORTANCE FACTOR (Ie) = 1.25
Ss = 0.232 S1 = 0.053
SITE CLASS - D
Sds = 0.248 Sd1 = 0.085
SEISMIC DESIGN CATEGORY - B
ORDINARY PLAIN MASONRY SHEAR WALL
DETAILED FOR SEISMIC
BASE SHEAR = 17.17 KIPS
BASE SHEAR = 87.16 KIPS
SEISMIC RESPONSE COEFFICENT (Cs) = 0.220
RESPONSE MODIFICATION FACTOR (R) = 1.5
EQ. LAT. FORCE PROC.

Harrison - Hamnett, P.C.
Consulting Structural Engineers
40 Knowles Street Pennington, New Jersey 08534
Ph: 609-818-1808 www.hhpccse.com

2 / 12 / 26
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

Drawing name: D:\Jobs\25118 - Littlebrook Elementary School 5516D - FVHD\25118 - Typical Details.dwg
Date: Feb 12, 2026 - 8:01pm

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
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NJ - 21AI01979800 | PA - RA406009
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NJ - 21AI02003100 | PA - RA410435

10/10/25
Architect Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
EST. 1915

Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Additions and Renovations to Littlebrook Elementary School

Project Owner Name
Princeton Public Schools

Project Location
39 Magnolia Ln.
Princeton, NJ
08540

Project Number
5516D

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

Drawing Name
TYPICAL DETAILS / GENERAL NOTES / SCHEDULES

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.09.25	NJ DCA RESPONSES
	02.13.26	BID SET

Drawing Number
S401