

BEDFORD CENTRAL DISTRICT

DISTRICT ADMINISTRATION OFFICES

632 SOUTH BEDFORD ROAD, BEDFORD, NY 10506

PHASE 2A - BOND IMPROVEMENTS

AT

MAINTENANCE BUILDING

SOUTH BEDFORD ROAD
BEDFORD, NY 10506

SED No.: 66-01-02-06-5-027-001 (23-131K)

MAINTENANCE BUILDING

CIVIL

MB CS1.01 EXISTING CONDITIONS & DEMOLITION PLAN
MB CS2.01 SITE PLAN
MB CS4.01 GRADING, DRAINAGE & UTILITIES PLAN
MB CS6.01 SITE DETAILS

ARCHITECTURAL

MB A2.01 FLOOR PLAN, FOUNDATION PLAN, CROSS SECTIONS, PLAN DETAILS, and NOTES
MB A2.02 FOUNDATION PLAN DETAILS and SECTIONS FINISH SCHEDULE, PARTITION TYPES AND NOTES
MB A3.01 EXTERIOR ELEVATIONS, REFLECTED CEILING PLAN, WINDOW SCHEDULE and DETAILS, LEGEND, and NOTES
MB A8.01 DOOR SCHEDULE, LEGENDS, DETAILS, and NOTES

MECHANICAL

MB M2.01 MECHANICAL PLANS and SECTIONS
MB M6.01 MECHANICAL SCHEDULES & DETAILS

PLUMBING

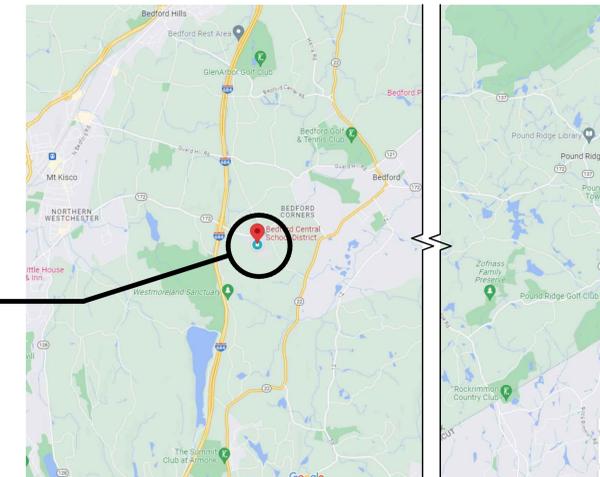
MB P2.01 PLUMBING FLOOR PLAN & SCHEDULES

ELEC

MB E0.01 GENERAL NOTES, ABBREVIATIONS AND SYMBOLS
MB E1.00 ELECTRICAL SITE PLAN - DEMOLITION
MB E1.02 POWER AND LIGHTING PLANS PLAN
MB E5.01 RISERS AND SCHEDULES
MB E8.01 ELECTRICAL DETAILS
MB E8.02 ELECTRICAL DETAILS
MB E8.03 TECHNOLOGY DETAILS

LOCATION MAP

MAINTENANCE
BUILDING



MAP DATA © GOOGLE

BBS ARCHITECTS LANDSCAPE ARCHITECTS ENGINEERS

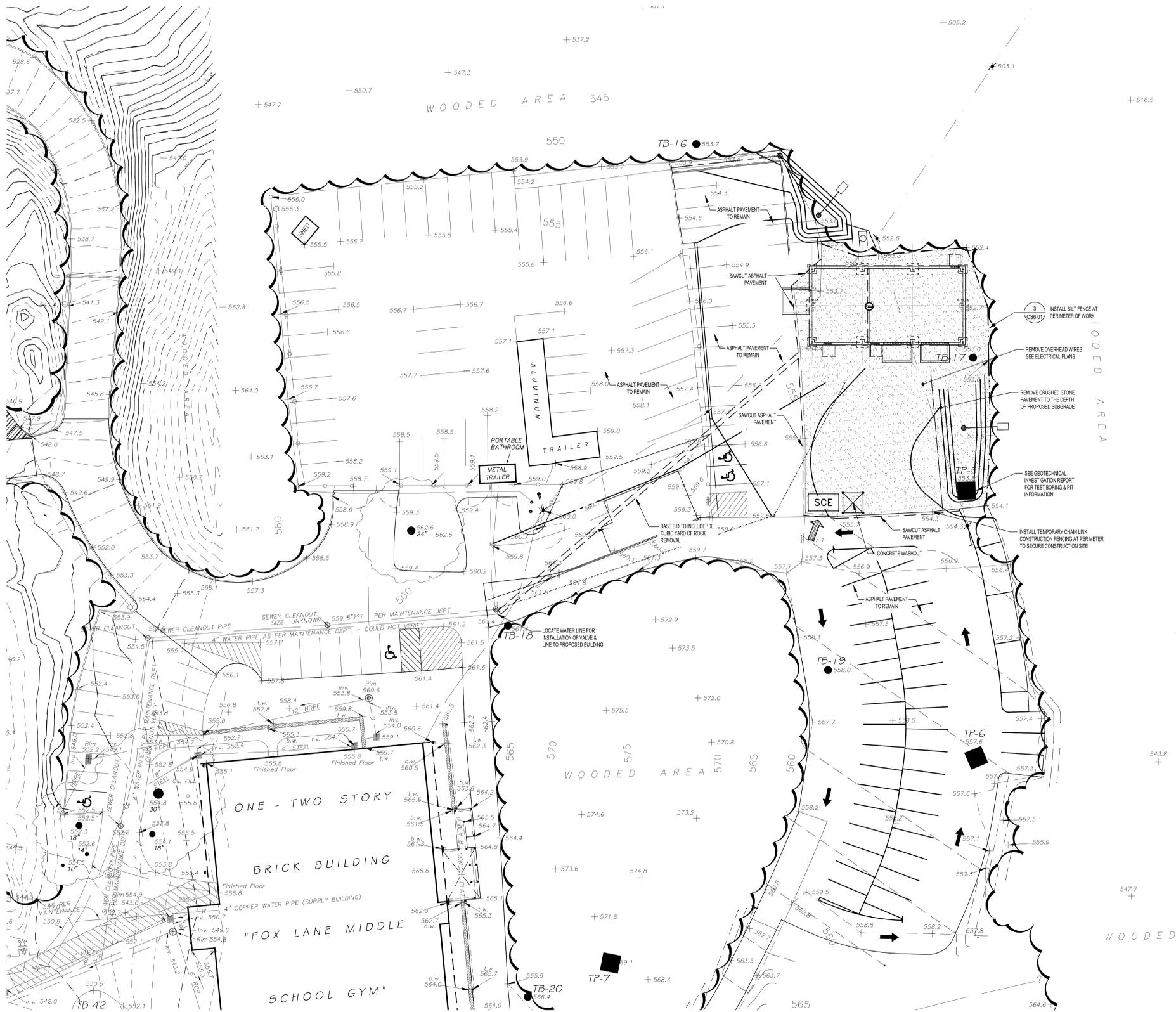
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THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF HIS KNOWLEDGE, INFORMATION,
AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH
APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION
AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION
CODE, AND THE CONSTRUCTION STANDARDS OF THE EDUCATION DEPARTMENT.

LAWRENCE SALVESEN, A.I.A. LIC. No. 020623

BBS FILE No. 23-131k
ISSUED FOR BID: JANUARY 2026



- ### GENERAL NOTES
- EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY BY LINK LAND SURVEYORS, PC, DATED DECEMBER 20, 2022. CONTRACTOR IS REQUIRED TO INSPECT THE SITE PRIOR TO BIDDING. NO ADDITIONAL PAYMENT SHALL BE MADE FOR CONDITIONS NOT SHOWN ON THE PLAN.
 - ALL LAYOUT AND ESTABLISHMENT OF GRADES SHALL BE DONE BY A NYS LICENSED LAND SURVEYOR. PROPOSED GRADES SHALL BE STAKED FOR REVIEW AND ADJUSTMENT BY ENGINEER PRIOR TO START OF EXCAVATION.
 - SEE CIP DRAWING FOR TEMPORARY FENCE, SITE ACCESS, STAGING, AND STOCKPILE REQUIREMENTS.
 - THE CONTRACTOR IS RESPONSIBLE TO HAVE ALL EXISTING UTILITIES (PRIVATE AND PUBLIC) MARKED OUT PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, SIZES AND QUANTITIES OF ALL MATERIALS PRIOR TO THE START OF ANY WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR A DECISION.
 - THE ARCHITECT AND THEIR CONSULTANTS SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS & METHODS OR PROCEDURES UTILIZED BY THE CONTRACTOR; NOR FOR THE SAFETY OF PUBLIC OR CONTRACTORS EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - THE CONTRACTOR SHALL DEFINE AND SECURE A SINGLE ROUTE OF ACCESS ACROSS OWNER'S PROPERTY TO AND FROM THE WORK AREAS, WHICH SHALL BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO THE START OF ANY WORK. ALL AREAS DAMAGED BY THE USE OF THIS ROUTE OF ACCESS (OR ANY OTHER AREAS) SHALL BE REPAIRED IN KIND BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. PARKING AREA MUST ALSO BE RESTORED.
 - THE CONTRACTOR SHALL ENCLOSE ALL WORK AREAS AND PROVIDE 6'-0" HIGH INDUSTRIAL CHAIN LINK FENCING W/ GATES. EXACT LOCATION OF FENCING TO BE VERIFIED WITH OWNER AND ARCHITECT. THIS FENCING SHALL BE CONSTRUCTED OF WIRE GAUGE GALV. STEEL, WIRE W/ 2" GALV. LINE POST & 7' END CORNER POSTS. WITH TOP RAIL & BOTTOM WIRE. PROVIDE TRAFFIC & PEDESTRIAN GATES WITH HARDWARE & LOCKS. ALL FENCING SHALL HAVE A CLOTH WOVEN WINDSCREEN MESH INSTALLED ON THE "SCHOOL" SIDE OF THE FENCE. MESH TO BE DARK GREEN OR BLACK. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THIS FABRIC AND ALL RELATED MATERIALS AFTER CONSTRUCTION.
 - THE CONTRACTOR SHALL EXERCISE CARE DURING REMOVAL OPERATIONS TO PROTECT EXISTING FACILITIES TO REMAIN, INCLUDING PAVEMENTS, UTILITIES, STRUCTURES, TREES, ETC. ANY FACILITIES THAT ARE DAMAGED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTORS EXPENSE, TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
 - ALL WORK AND MATERIAL OF THIS PROJECT AND ADJACENT SURFACES SHALL BE PROTECTED FROM DAMAGE. IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ARCHITECT AND OWNER AT NO ADDITIONAL COST TO THE OWNER.
 - WHERE EXCAVATION IS REQUIRED ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REMEDIAL WORK, SUCH AS ROOT & TOP PRUNING REQUIRED OR NECESSARY TO PREVENT TREE LOSS. SUCH REPAIR SHALL INCLUDE COMPENSATORY PRUNING AND FERTILIZATION COMPLETED PRIOR TO INSTALL OF THE WORK. CORRECTIVE WORK SHALL BE DONE BY A NYS LIC. ARBORIST.
 - NO STOCKPILING OF CONSTRUCTION MATERIALS SHALL TAKE PLACE UNDER THE DRIP LINE OF EXISTING TREES TO REMAIN.
 - ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND SHALL BE DISPOSED OF IN A LEGAL MANNER.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES, ETC. AS REQUIRED TO PERFORM THE WORK AND FOLLOW ALL EROSION AND SEDIMENT CONTROL PROCEDURES.
 - THE CONTRACTOR IS RESPONSIBLE TO FOLLOW ALL NECESSARY MEASURES TO PREVENT SOIL EROSION, ALL DEBRIS, DUST AND DIRT CAUSED BY WORK OF THIS CONTRACT SHALL BE REMOVED FROM SITE BY APPROPRIATE MEANS. RESTORE ALL CONDITIONS TO THE STATE OF CLEANLINESS THAT EXISTED PRIOR TO COMMENCEMENT OF WORK. SEE EROSION AND SEDIMENT CONTROL PLAN FOR FURTHER REQUIREMENTS.

SYMBOL LEGEND

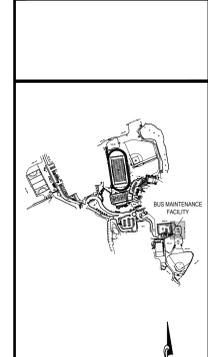
SYMBOL	DESCRIPTION
	STABILIZED CONSTRUCTION ENTRANCE
	CONSTRUCTION VEHICLE ACCESS
	SAWCUT ASPHALT PAVEMENT
	REMOVE CRUSHED STONE PAVEMENT
	SILT FENCE

LIST OF ABBREVIATIONS

CLF	CHAIN LINK FENCE	SC	SITWORK CONTRACTOR
DEM.	DEMOLITION	TEMP.	TEMPORARY
E	EAST	(TYP.)	TYPICAL
ENC.	ENCLOSURE	VF	VERIFY IN FIELD
EX	EXISTING	W	WEST
G.C.	GENERAL CONSTRUCTION CONTRACTOR	WD	WIDE
LP	LINEAR FEET	&	AND
LF	LONG		
LP	LIGHT POLE		
N	NORTH		
OPEN	OPENING		
S	SOUTH		

REV.	DATE	ITEM

NOTICE
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KEY PLAN
 NOT TO SCALE

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING BY: CTC
 CHECK BY: J.P.

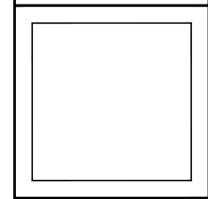
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SED No: 66-01-02-06-5-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT: PHASE 2 - BOND IMPROVEMENTS

DWG TITLE: EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS NOTED

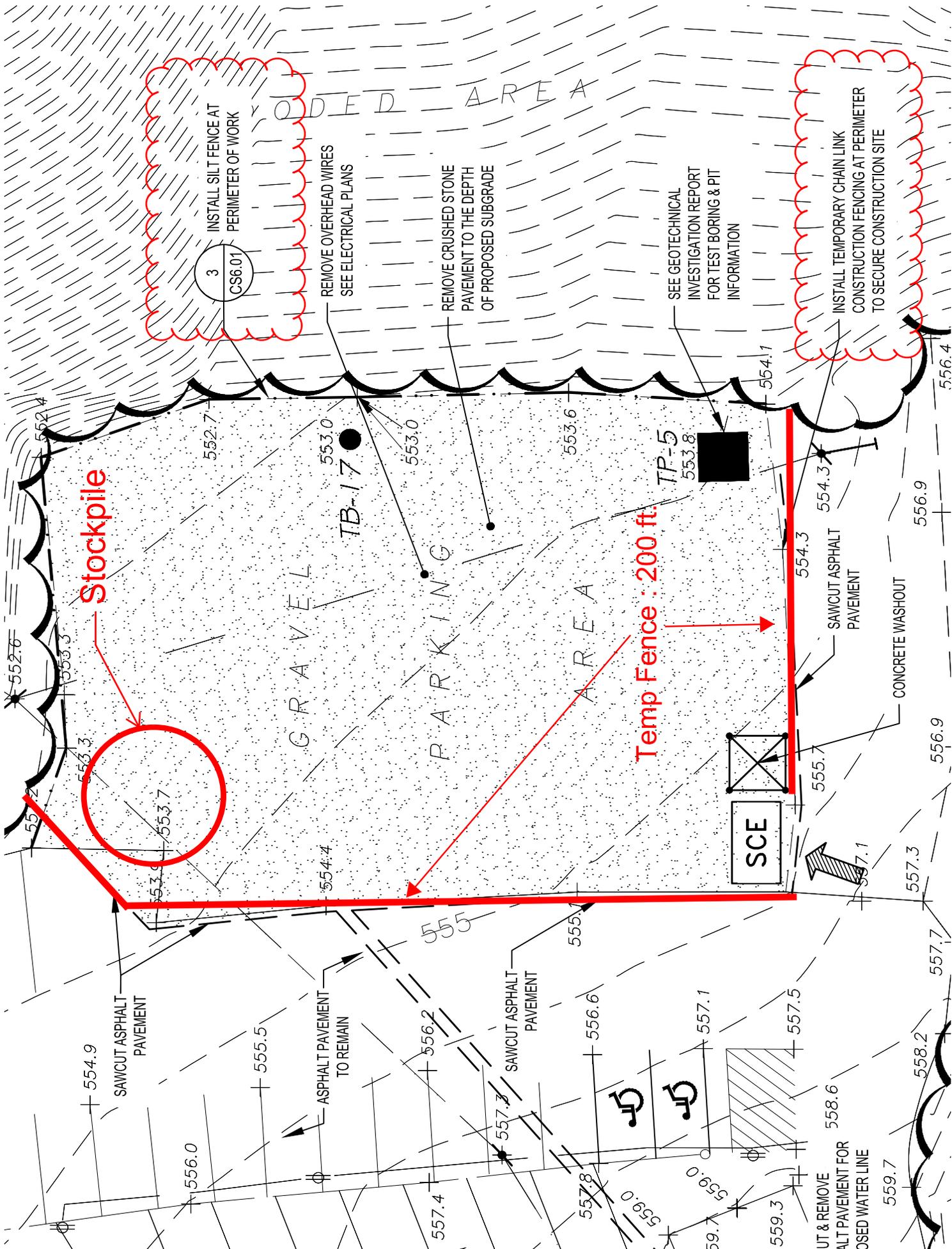
DATE: JANUARY 2026

BID PICKUP:

FILE No: 23-131K TMB

CS1.01

1 EXISTING CONDITIONS & DEMOLITION PLAN
 SCALE: 1"=20'-0"



Stockpile

Temp Fence : 200 ft

SCE

3
CS6.01

INSTALL SILT FENCE AT PERIMETER OF WORK

REMOVE OVERHEAD WIRES
SEE ELECTRICAL PLANS

REMOVE CRUSHED STONE
PAVEMENT TO THE DEPTH
OF PROPOSED SUBGRADE

SEE GEOTECHNICAL
INVESTIGATION REPORT
FOR TEST BORING & PIT
INFORMATION

INSTALL TEMPORARY CHAIN LINK
CONSTRUCTION FENCING AT PERIMETER
TO SECURE CONSTRUCTION SITE

GRAVEL AREA

PARKING

GRAVEL AREA

TB-17

TP-5

SAWCUT ASPHALT
PAVEMENT

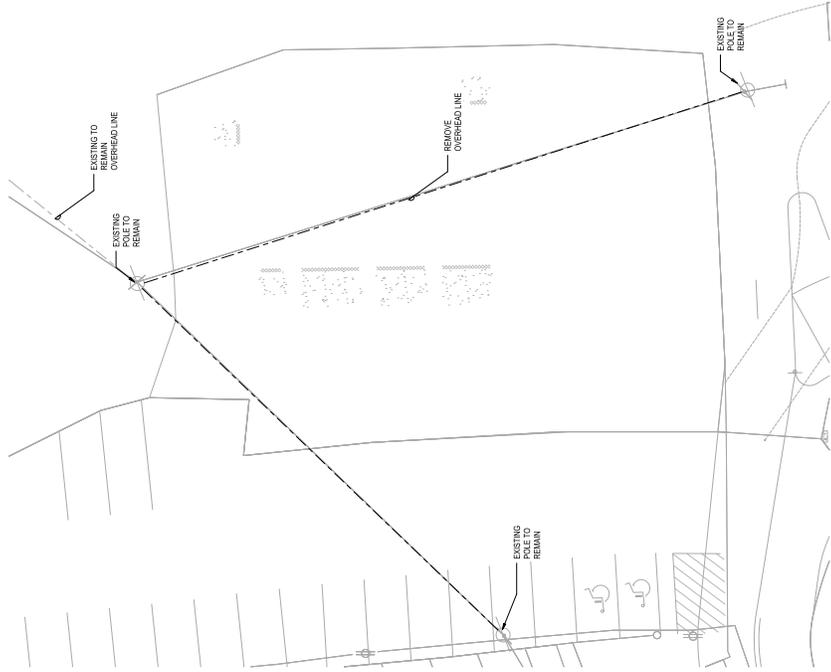
ASPHALT PAVEMENT
TO REMAIN

SAWCUT ASPHALT
PAVEMENT

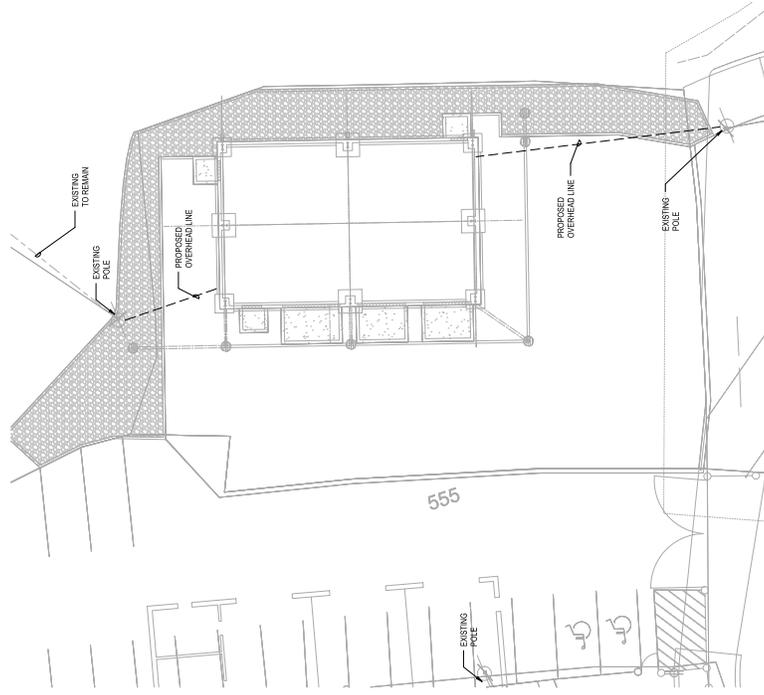
UT & REMOVE
ALT PAVEMENT FOR
USED WATER LINE

SAWCUT ASPHALT
PAVEMENT

CONCRETE WASHOUT



1 SITE PLAN - DEMO
SCALE: 3/8" = 1'



2 PROPOSED SITE PLAN
SCALE: 3/8" = 1'

REV.	DATE	ITEM

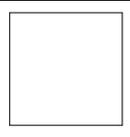
NOTES:
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
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PROJECT: BEDFORD CENTRAL SCHOOL DISTRICT
 TRANSPORTATION / MAINTENANCE BUILDING
 PHASE 2 - BOND IMPROVEMENTS
 BEDFORD CENTRAL SCHOOL DISTRICT
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE: ELECTRICAL SITE PLAN - DEMOLITION

DESIGNED BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

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 TRANSPORTATION / MAINTENANCE BUILDING
 PHASE 2 - BOND IMPROVEMENTS
 ELECTRICAL SITE PLAN - DEMOLITION
 DATE: 08/22/2011
 BY: [Name]
 FILE NO.: 201108_000

MB - E1.00



GENERAL NOTES - ALIGNMENT

1. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, SIZES AND QUANTITIES OF ALL MATERIALS PRIOR TO THE START OF ANY WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR A DECISION. ALL WORK SHALL BE LOCATED AND MARKED OUT FOR APPROVAL BY THE ARCHITECT PRIOR TO THE START OF ANY CONSTRUCTION.
2. THE CONTRACTOR SHALL EXECUTE THE WORK IN SUCH MANNER THAT NO DAMAGE OR INJURY SHALL OCCUR TO PERSONS, EXISTING BUILDINGS AND STRUCTURES, CURBS, ROADS, ATHLETIC FIELDS, WALKS, PIPES, CONDUITS, POLES AND ANY AND ALL OTHER PROPERTY ABOVE AND BELOW GRADE. ANY DAMAGE OR INJURY RESULTING FROM THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL MAKE GOOD SUCH DAMAGE AND ASSUME ALL RESPONSIBILITY FOR EACH INJURY WITHOUT ADDITIONAL COST TO THE OWNER.
3. THE ARCHITECT AND THEIR CONSULTANTS SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES; OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING PRIOR TO START OF WORK.
5. IN ACCORDANCE WITH STATE AND LOCAL CODES, THE REQUIRED EXITS IN THE EXISTING BUILDING MUST BE KEPT CLEAR, MAINTAINED AND PROTECTED DURING THE CONSTRUCTION PERIOD.
6. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING DIMENSIONS AND CONDITIONS.
7. ALL WORK AND MATERIAL OF THIS PROJECT AND ADJACENT SURFACES SHALL BE PROTECTED FROM DAMAGE. IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENT NECESSARY TO THE APPROVAL OF THE ARCHITECT AND OWNER AT NO ADDITIONAL COST TO OWNER.
8. CONTRACTOR TO PROTECT ALL AREAS OF WORK FROM INCREMENT WEATHER DURING AND AT THE END OF DAILY WORK OPERATIONS.
9. ALL PROJECT WASTE MATERIAL AND RUBBISH TO BE DISPOSED IN CONTAINERS PROVIDED BY THE CONTRACTOR FOR SUBSEQUENT LEGAL OFF-SITE DISPOSAL. CONTAINER LOCATION TO BE COORDINATED WITH THE CONSTRUCTION MANAGER. OFF-SITE DISPOSAL TO BE ON A REGULAR BASIS.
10. ALL DEBRIS, DUST AND DIRT CAUSED BY WORK OF THIS CONTRACT SHALL BE REMOVED FROM SITE BY APPROPRIATE MEANS. RESTORE ALL CONDITIONS TO THE STATE OF CLEANLINESS THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.
11. ALL DEMOLITION AND CONSTRUCTION WORK TO BE PERFORMED WITHOUT INTERRUPTION OF OWNER OPERATIONS. IF INTERRUPTION IS NECESSARY, WORK MUST NOT PROCEED UNTIL WRITTEN APPROVAL HAS BEEN OBTAINED FROM THE OWNER.

NEW WORK KEY NOTES

1. REFER TO DRAWING CS6.01 SERIES DRAWINGS FOR SITE DETAILS AND PAVEMENT SCHEDULE.
2. REFER TO SYMBOL LEGEND FOR NEW WORK TAGS AND SYMBOLS.
3. CURBS, WALKS, FENCES, DRAINAGE STRUCTURES AND OTHER MAJOR ITEMS SHALL BE STAKED FOR THE APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION.
4. N.Y.S. LICENSED LAND SURVEYOR SHALL PERFORM ALL LAYOUT WORK, INCLUDING BASELINE ESTABLISHMENT. LAYOUT OF THE WORK MAY BE ADJUSTED IN THE FIELD TO MEET SITE CONDITIONS AS APPROVED BY THE ENGINEER.
5. LOOSEN TOPSOIL, TOP-DRESS AND SEED ALL DISTURBED AREAS NOT SCHEDULED FOR IMPROVEMENT.
6. CONTRACTOR SHALL REMOVE ALL TEMPORARY FENCING AND EROSION AND SEDIMENT CONTROL UPON COMPLETION OF THE WORK. RESTORE PROJECT SITE TO ITS EXISTING CONDITION INCLUDING REPAIRS TO PAVEMENT, TOP DRESSING AND SEEDING OF DISTURBED AREAS.
7. CONTRACTOR SHALL CONTINUE TO MAINTAIN ALL NEWLY SEEDED AREAS UNTIL SEED IS FULLY GROWN AND DEEMED USEABLE FOR RECREATION BY ARCHITECT.

SYMBOL LEGEND

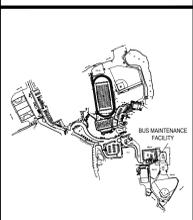
SYMBOL	DESCRIPTION
(A)	NEW PAVEMENT TYPE SCHEDULE - SEE SCHEDULE ON CS6.01
(C)	NEW ITEM DETAIL TAG - SEE DETAILS ON CS6.01
(Hatched Box)	ASPHALT PAVEMENT
(Dotted Box)	CONCRETE PAVEMENT

LIST OF ABBREVIATIONS

ALT.	ALTERNATE	LB	LEACHING BASIN
ASPH.	ASPHALT	LF	LINEAR FEET
BC	BOTTOM CURB	LG	LONG
CB	CATCH BASIN	LP	LIGHT POLE
CLF	CHAIN LINK FENCE	N	NORTH
CONC.	CONCRETE	OPN	OPENING
DEMO.	DEMOLITION	PAVT	PAVEMENT
E	EAST	S	SOUTH
E.C.	ELECTRICAL CONTRACTOR	SC	SITENWORK CONTRACTOR
ENC.	ENCLOSURE	TC	TOP CURB
EX.	EXISTING	TEMP.	TEMPORARY
GALV.	GALVANIZED	(TYP.)	TYPICAL
G.C.	GENERAL CONSTRUCTION CONTRACTOR	VF	VERIFY IN FIELD
HT.	HEIGHT	VCCLF	VINYL CLAD CHAIN LINK FENCE
		W	WEST
		WD	WIDE
		&	AND

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 SITE PLAN

DRAWING BY: CTC
 CHECK BY: J.P.

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1 ALIGNMENT AND SCHEDULE PLAN
 SCALE: 1"=20'-0"

CS2.01



- ### GENERAL NOTES
1. ALL PAVED SURFACES SHALL PITCH 1% MIN. IN THE DIRECTION OF THE NEAREST DRAIN INLET OR THE DIRECTION AS SHOWN ON THE PLANS.
 2. ALL PAVED SURFACES ON AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM CROSS PITCH OF 2% UNLESS OTHERWISE NOTED. OUTSIDE OF ACCESSIBLE ROUTES THE PITCH SHALL NOT EXCEED 5%.
 3. INDICATED SPOT GRADES REPRESENT FINISHED GRADES UNLESS OTHERWISE NOTED.
 4. LANDSCAPED AREAS SHALL BE GRADED FLUSH WITH THE TOP OF CURBS AND PAVEMENTS TO MEET EXISTING GRADE EXCEPT WHERE OTHERWISE NOTED.
 5. CAUTION SHALL BE EXERCISED DURING GRADING OPERATIONS SO AS NOT TO RAISE OR LOWER GRADE IN THE VICINITY OF EXISTING TREES TO THE EXTENT THAT ROOTS ARE EXPOSED OR BURIED.
 6. ALL NEW PAVEMENT AREAS TO BE INSTALLED TO SMOOTH, EVEN GRADE. CORRECT LOW SPOTS AND GRADE DISCREPANCIES BY FILLING AND CUTTING AS REQUIRED.
 7. MEET EXISTING GRADES AT PROPERTY LINES AND LIMIT OF WORK LINES WHERE INDICATED.
 8. ALL EXISTING UTILITIES MAY NOT BE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES, CLEARLY MARK AND PROTECT DURING EXCAVATION.
 9. SEE DRAWING CS800 SERIES DRAWINGS FOR PAVING AND DRAINAGE DETAILS.
 10. DRAINAGE AND SANITARY PIPE LAYING LENGTHS ARE MEASURED TO THE CENTERLINE OF MANHOLES AND TO THE INSIDE FACE OF CATCH BASINS AND DRAIN INLETS.
 11. CONTRACTOR SHALL CLEAN EXISTING DRAINAGE STRUCTURES AND PIPES TO REMAIN OF ALL SILT AND DEBRIS AS SHOWN.

SYMBOL LEGEND

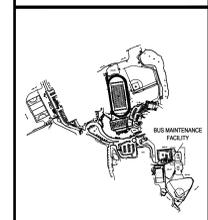
SYMBOL	DESCRIPTION
	PROPOSED TOPOGRAPHIC CONTOUR
	PAVEMENT PITCH DIRECTION
+ 100.00	PROPOSED SPOT ELEVATION
- - - -	EXISTING TOPOGRAPHIC CONTOUR
55.00	EXISTING SPOT ELEVATION
550.00 150.50	EXISTING SPOT ELEVATION

LIST OF ABBREVIATIONS

ALT.	ALTERNATE	LB	LEACHING BASIN
ASPH.	ASPHALT	LF	LINEAR FEET
BC	BOTTOM CURB	LG	LONG
BW	BOTTOM WALL	LP	LIGHT POLE
CB	CATCH BASIN	N	NORTH
CLF	CHAIN LINK FENCE	OPN	OPENING
CONC.	CONCRETE	PAVT	PAVEMENT
DEM.	DEMOLITION	S	SOUTH
E	EAST	SC	SITEWORK CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR	TC	TOP CURB
ENC.	ENCLOSURE	TW	TOP WALL
EX	EXISTING	TEMP	TEMPORARY
FG	FINISHED GRADE	(TYP)	TYPICAL
GALV.	GALVANIZED	VIF	VERIFY IN FIELD
G.C.	GENERAL CONSTRUCTION CONTRACTOR	VOCLF	VINYL CLAD CHAIN LINK FENCE
HT.	HEIGHT	W	WEST
INV.	INVERT	WD	WIDE
		&	AND

REV.	DATE	ITEM

NOTICE
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KEY PLAN
 NOT TO SCALE

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 GRADING, DRAINAGE & UTILITIES PLAN

DRAWING BY: CTC
 CHECK BY: J.P.

NOTICE
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SED No: 66-01-02-06-5-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT: PHASE 2 - BOND IMPROVEMENTS

DWG TITLE: GRADING, DRAINAGE & UTILITIES PLAN

SCALE: AS NOTED

DATE: JANUARY 2026

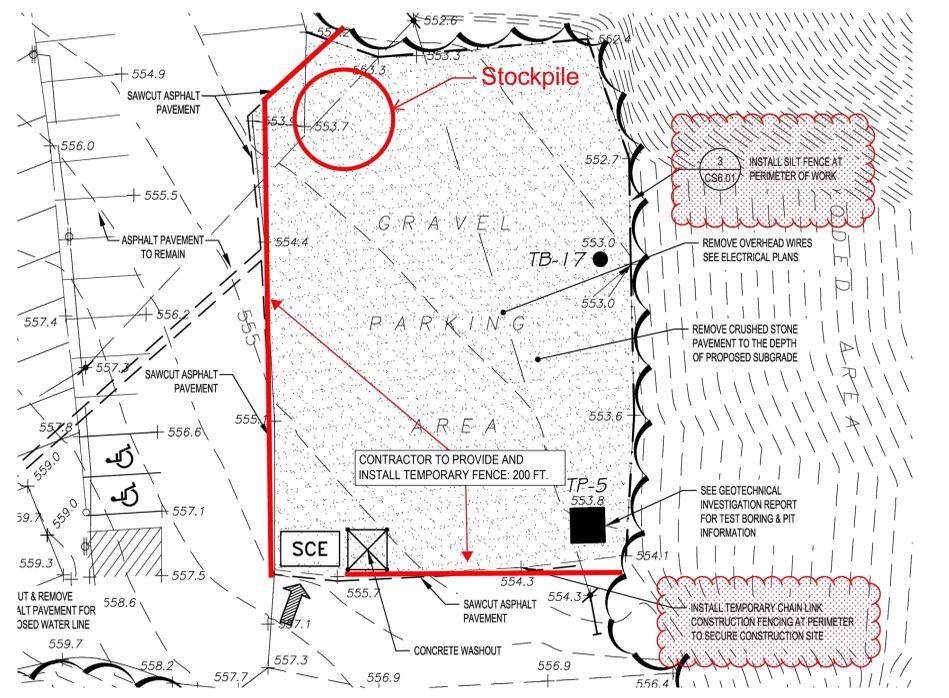
BID PICK-UP:

FILE No: 23-131K TMB

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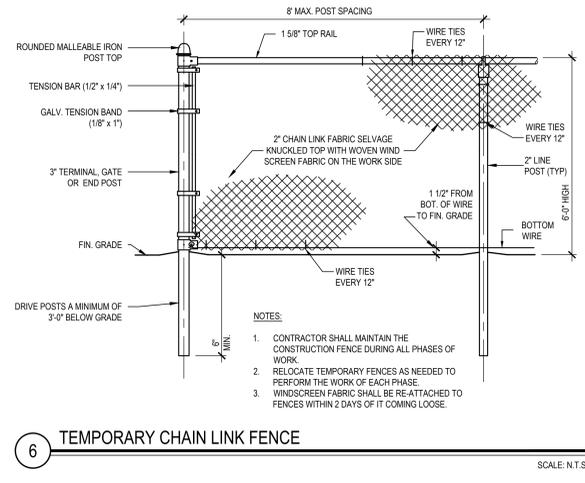
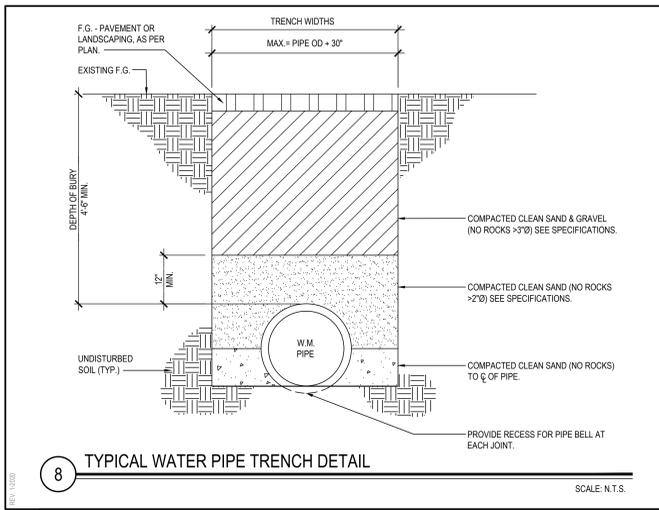
1 GRADING, DRAINAGE & UTILITIES PLAN

SCALE: 1"=20'-0"



C.I.P.

SCALE: N.T.S.



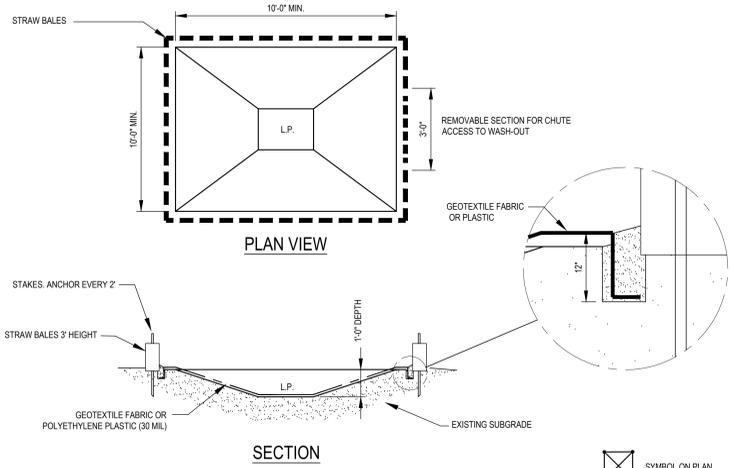
GENERAL NOTES

1. ALL CONCRETE TRUCKS SHALL WASH-OUT IN SPECIFIED CONTAINMENT AREA AS DESCRIBED.
2. CONTAINMENT AREA WASH-OUT DEBRIS SHALL BE CLEANED OUT ON A WEEKLY BASIS OR AS NEEDED.
3. WHEN CONTAINMENT AREA IS NO LONGER NEEDED THE AREA SHALL BE FINISHED IN ACCORDANCE WITH THE ALIGNMENT AND SCHEDULE PLAN.
4. PROVIDE GEOTEXTILE FABRIC BY MIRAFI, DIVISION OF NICOLON CORP., TYPE 140N, 800-234-0484 OR EQUAL.
5. CONTAINMENT AREAS WILL BE INSPECTED PERIODICALLY BY THE NYSDEC.
6. CONTAINMENT AREAS WILL BE INSPECTED PERIODICALLY BY THE NYSDEC.

LEGEND:

- LP LOW POINT
- SILT FENCE STRAW BALES

WASH-OUT CONTAINMENT AREA



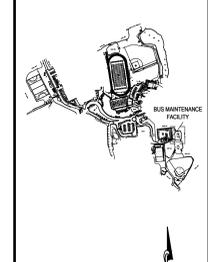
PAVEMENT SCHEDULE

MARK	CONSTRUCTION	NOTES
A	1.5" TYPE 6 ASPHALT TOP 3.5" TYPE 3 ASPHALT BINDER PREPARING FINE GRADE 6" RCA BASE COURSE COMPACTED SUBGRADE (MIN. 95% DRY DENSITY)	NEW FULL DEPTH ASPHALT PAVEMENT ROADWAY
C	LIGHT BROOM FINISH EXPANSION JOINT AS SHOWN 4" CONC. SLAB W/ 4" W2.4 x W2.4 WWF 6" MIN. RCA BASE COURSE (MIN. 95% DRY DENSITY) COMPACTED SUBGRADE (MIN. 95% DRY DENSITY)	CEMENT CONCRETE PAVEMENT AND WALKWAYS
C1	STIFF BROOM FINISH 6" CONC. SLAB W/ #4 BARS AT 12" O.C. E-W EXPANSION JOINT AS SHOWN 6" MIN. RCA BASE COURSE (MIN. 95% DRY DENSITY) COMPACTED SUBGRADE (MIN. 95% DRY DENSITY)	CEMENT CONCRETE APRONS AND CONTAINER, DUMPSTER OR SERVICE ACCESS PADS
G	GRASS SEED (GENERAL MIX) 3" SCREENED / BLENDED TOPSOIL 3" REHANDLED TOPSOIL ROLLED SUBGRADE (MAX. 80% DRY DENSITY)	NEW LAWN AREAS REHANDLED TOPSOIL IN EXISTING STRIPPED TOPSOIL FROM STOCKPILE(S)
S	GRASS SEED (HYDROSEED) PREPARED SEED BED LOOSEN TOPSOIL 4" MIN. SUBGRADE	DISTURBED AREAS

REV.	DATE	ITEM

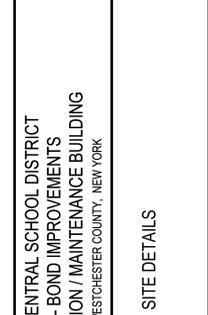
NOTICE

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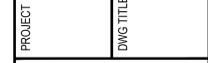
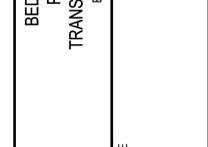


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CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FEET MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SED No: 66-01-02-06-5-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT: PHASE 2 - BOND IMPROVEMENTS

DWG TITLE: SITE DETAILS

SCALE: AS NOTED

DATE: JANUARY 2026

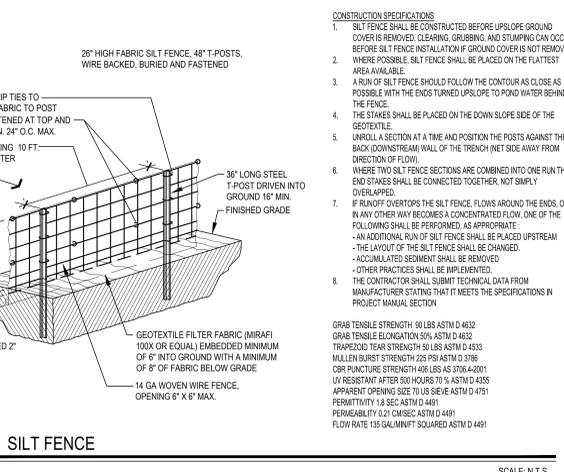
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7 PAVEMENT JOINT DETAIL

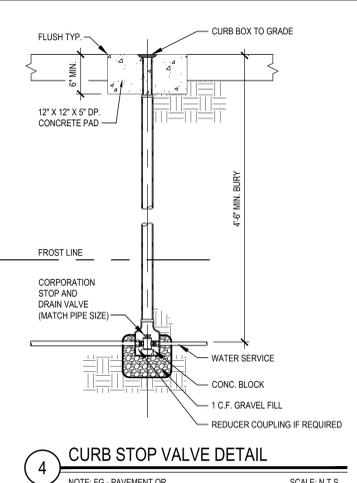
SCALE: N.T.S.



CONSTRUCTION SPECIFICATIONS

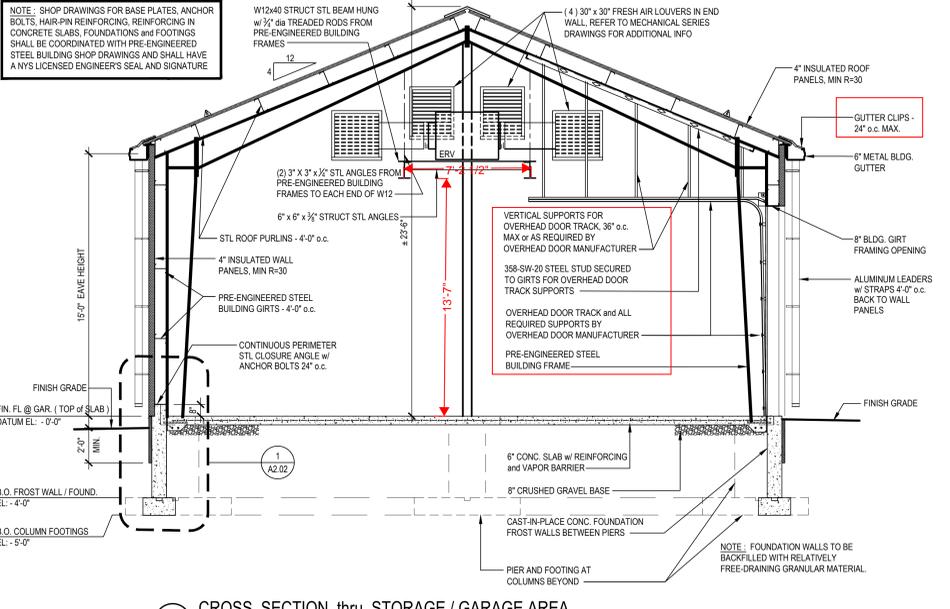
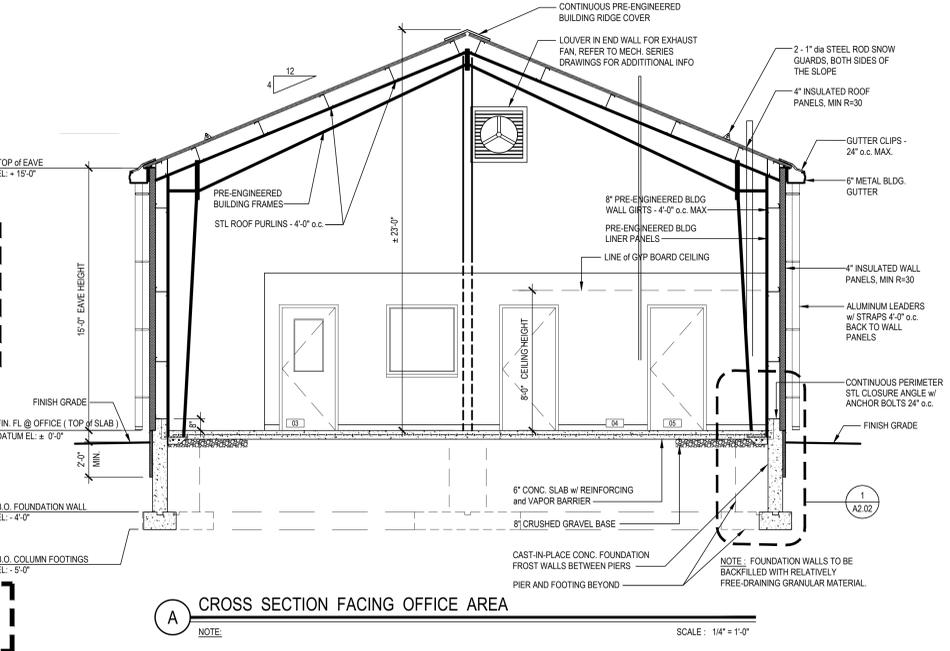
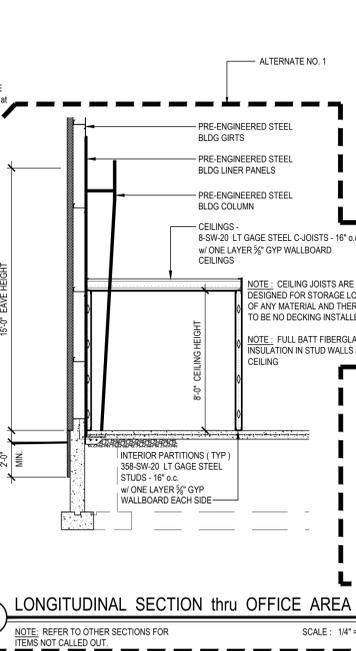
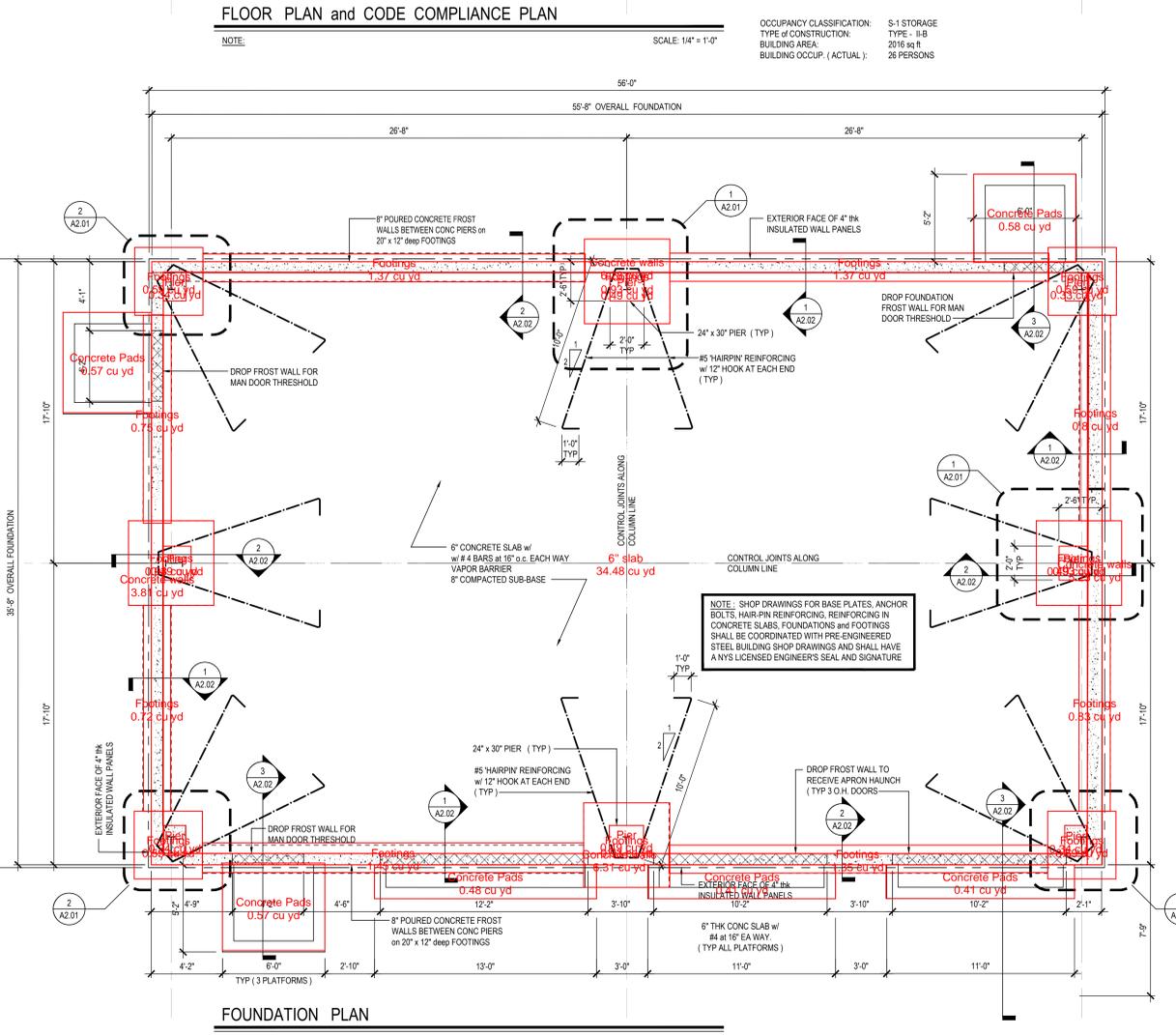
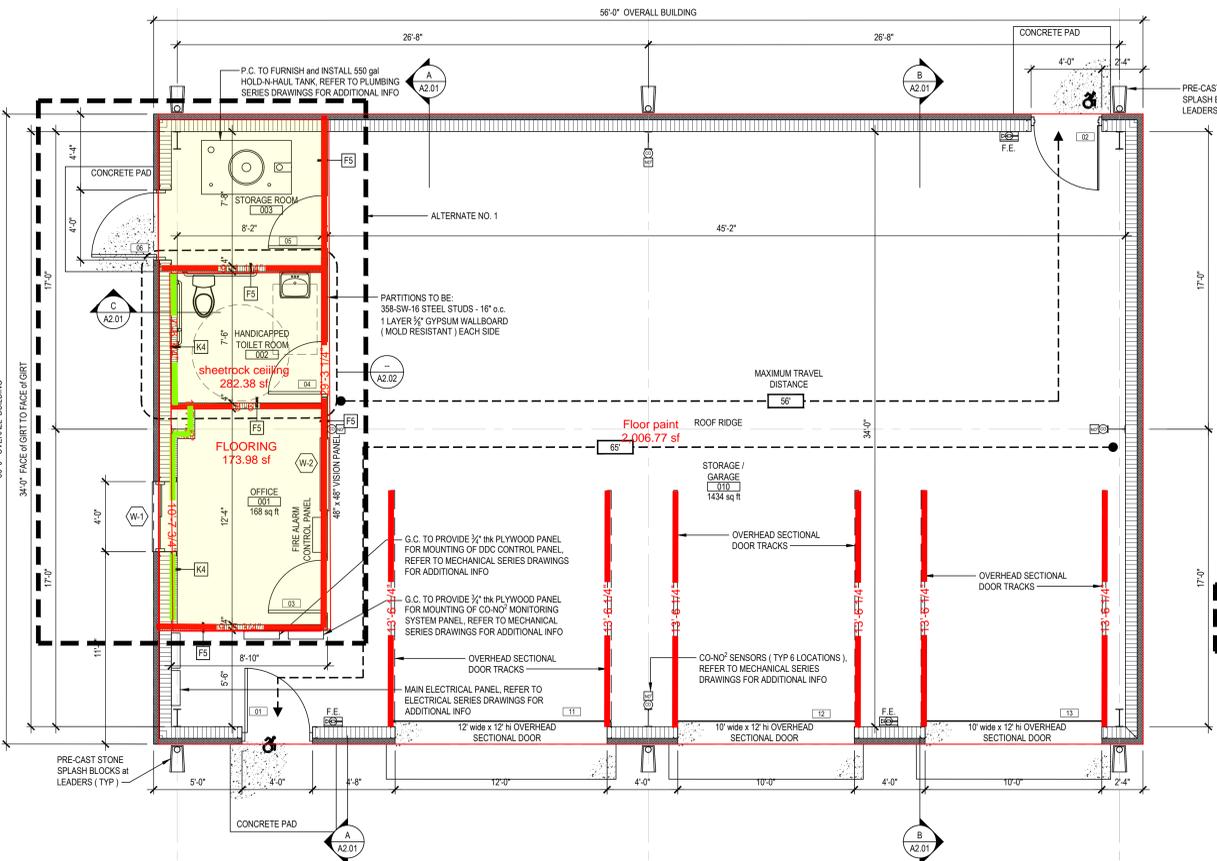
1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE GROUND COVER IS REMOVED. CLEARING, GRUBBING, AND STUMPING CAN OCCUR BEFORE SILT FENCE INSTALLATION IF GROUND COVER IS NOT REMOVED.
 2. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
 3. A RUN OF SILT FENCE SHOULD FOLLOW THE CONTOUR AS CLOSE AS POSSIBLE WITH THE ENDS TURNED UPSLOPE TO POND WATER BEHIND THE FENCE.
 4. THE STAKES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE GEOTEXTILE.
 5. UNWELL SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH NET SIDE AWAY FROM DIRECTION OF FLOW.
 6. WHERE TWO SILT FENCE SECTIONS ARE COMBINED INTO ONE RUN THE END STAKES SHALL BE CONNECTED TOGETHER, NOT SIMPLY OVERLAPPED.
 7. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED AS APPROPRIATE:
- AN ADDITIONAL RUN OF SILT FENCE SHALL BE PLACED UPSTREAM - THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED.
- ACCUMULATED SEDIMENT SHALL BE REMOVED.
- OTHER PRACTICES SHALL BE IMPLEMENTED.
 8. THE CONTRACTOR SHALL SUBMIT TECHNICAL DATA FROM MANUFACTURER STATING THAT IT MEETS THE SPECIFICATIONS IN PROJECT MANUAL SECTION
- GRAB TENSILE STRENGTH 80 LBS ASTM D 4832
GRAB TENSILE ELONGATION 50% ASTM D 4832
TRAPEZOID TEAR STRENGTH 50 LBS ASTM D 4353
MILLER BURST STRENGTH 225 LBS ASTM D 3786
CBR PUNCTURE STRENGTH 406 LBS AS 3708.4-2001
UV RESISTANT AFTER 500 HOURS TO 70% ASTM D 4355
APARENT OPENING SIZE 75 US SIEVE ASTM D 4751
PERMEABILITY 1.8 SEC ASTM D 4891
FLOW RATE 135 GAL/MIN/FT SQUARED ASTM D 4491

SCALE: N.T.S.

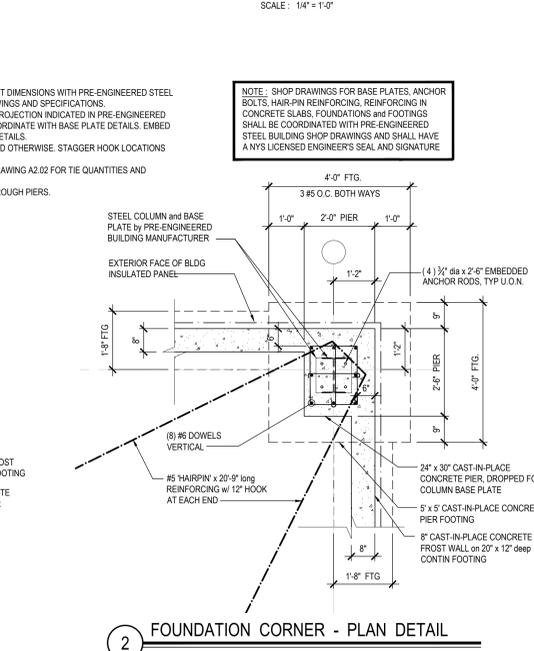
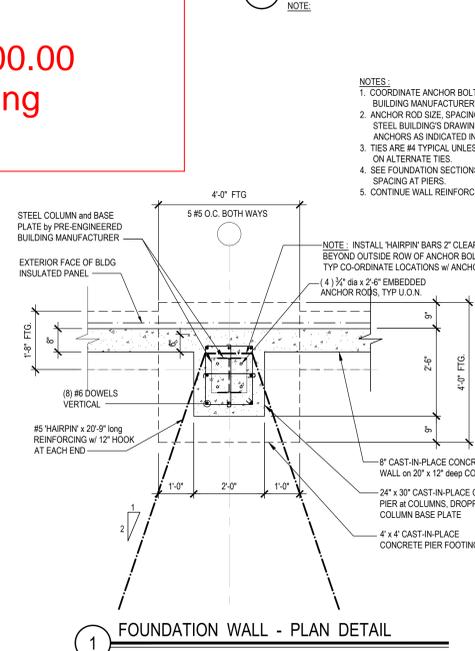


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78 cys total @ \$1300/cy=\$101,400.00 add \$20k for missing info.



REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 FLOOR PLAN, FOUNDATION PLAN,
 CROSS SECTIONS, PLAN DETAILS, and NOTES

DRAWING BY: H.P.A.
CHECK BY: J.P.

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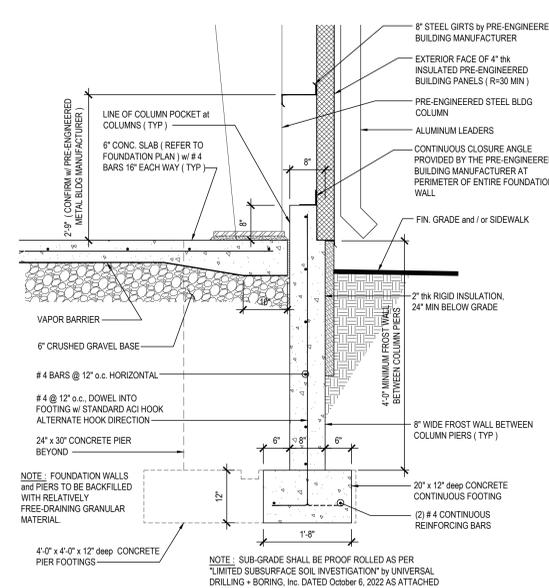
SED No.: 66-01-02-06-5-027-001
DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT
PROJECT: PHASE 2 - BOND IMPROVEMENTS
DWG TITLE: FLOOR and FOUNDATION PLANS, CROSS SECTIONS, and NOTES
SCALE: AS NOTED
DATE: JANUARY 2026
BID PICK-UP:
FILE No.: 23-131K TMB

MB - A 2.01

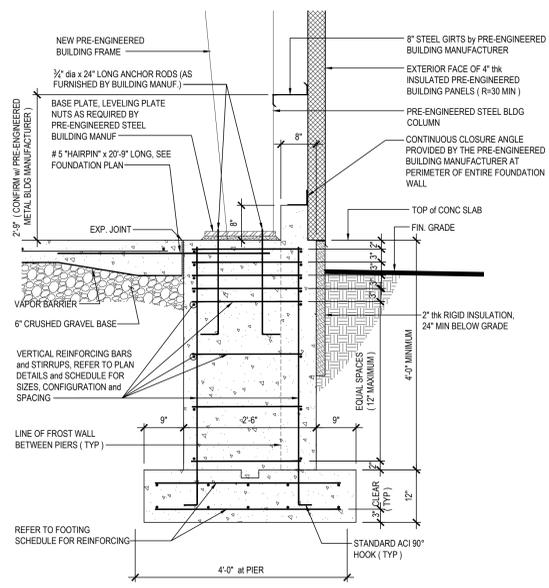
REV.	DATE	ITEM

PRE-ENGINEERED BUILDING DESIGN REQUIREMENTS :	
CODE:	BUILDING CODE OF NEW YORK STATE
YEAR / VERSION:	2020
OCCUPANCY:	B / S-1
DESIGN LOADS:	
DEAD LOADS:	WEIGHT OF BUILDING SYSTEM AS DETERMINED BY MANUFACTURER
ROOF LIVE LOAD:	20 psf
COLLATERAL LOAD:	10 psf (NOTE: REFER TO HANGING EQUIPMENT LOADS ON PLANS FOR ADDITIONAL LOADS)
FLOOR LOAD (NOT APPLICABLE - NA, NO SUPPORTED FLOORS)	
DEAD LOAD:	NA
COLLATERAL LOAD:	NA
LIVE LOAD:	NA
ROOF SNOW LOAD:	
GROUND SNOW LOAD (Pg):	30 psf
SNOW EXPOSURE COEFFICIENT (Ce):	1.0
THERMAL COEFFICIENT (Ct):	1.0
SNOW LOAD IMPORTANCE FACTOR:	1.1
FLAT ROOF SNOW LOAD:	23.1 psf
WIND LOAD:	
BASIC WIND SPEED (V):	125 mph
WIND EXPOSURE CATEGORY:	C
SEISMIC LOAD:	
RISK CATEGORY:	III
SITE CLASS:	D
SEISMIC IMPORTANCE FACTOR (I _e):	1.25
SHORT PERIOD ACCELERATION (S _{DS}):	0.291 g
ONE SECOND ACCELERATION (S _{DS1}):	0.096 g
SEISMIC DESIGN CATEGORY:	B
CRANE LOADS:	NA

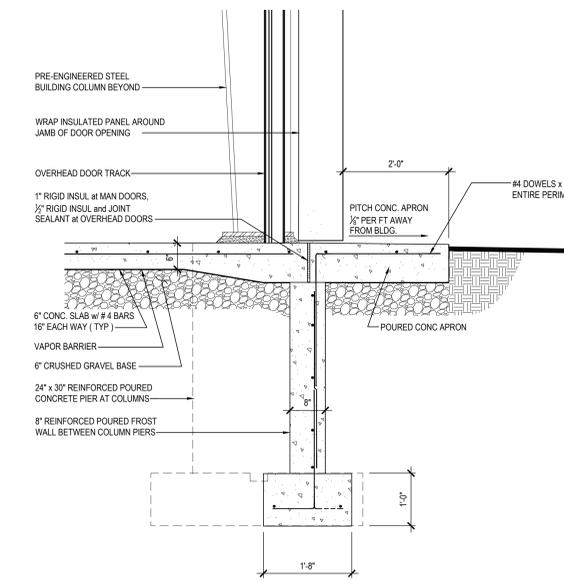
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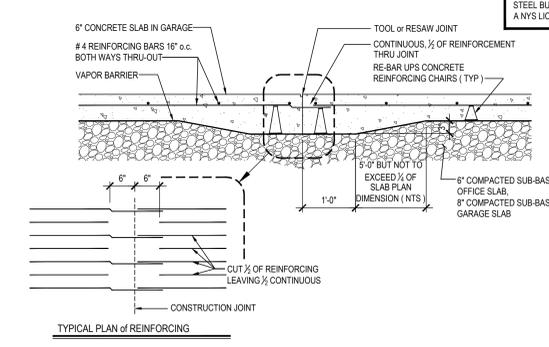
1 FOUNDATION / FROST WALL DETAIL
NOTE: AT CONTRACTOR'S OPTION, VERTICAL BARS AND DOWELS MAY BE USED IN LIEU OF CONTINUOUS VERTICAL BARS WITH HOOK SHOWN.
SCALE: 3/4" = 1'-0"



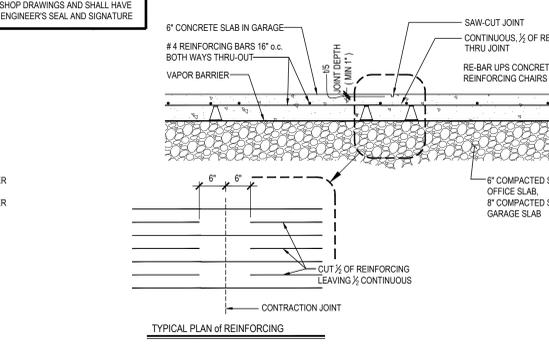
2 FOUNDATION DETAIL at PIER
NOTE: SHOP DRAWINGS FOR BASE PLATES, ANCHOR BOLTS, HAIR-PIN REINFORCING, REINFORCING IN CONCRETE SLABS, FOUNDATIONS and FOOTINGS SHALL BE COORDINATED WITH PRE-ENGINEERED STEEL BUILDING SHOP DRAWINGS AND SHALL HAVE A NY'S LICENSED ENGINEER'S SEAL AND SIGNATURE.
SCALE: 3/4" = 1'-0"



3 TYPICAL SECTION at DOORS / APRON w/ FROST WALLS
SCALE: 3/4" = 1'-0"



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



SLAB ON GRADE TYPICAL CONTRACTION JOINT
NOTE: REFER TO SPECIFICATIONS FOR GENERAL CONTRACTOR OPTION TO ELIMINATE CONTRACTION JOINTS.
SCALE: 3/4" = 1'-0"

FINISH NOTES

- ALL FINISHED TYPES (STYLE/COLOR/PATTERN) SHALL BE OFF THE STANDARD OF QUALITY INDICATED BY THE PROJECT MANUAL. FINAL STYLE / COLOR / PATTERN TO BE SELECTED BY ARCHITECT.
- CONTRACTOR SHALL PREP, PRIME AND PAINT ALL SHEET METAL PIPE ENCLOSURES (INSTALLED BY M.C.) COLOR AS SELECTED BY ARCHITECT.
- BEFORE PAINTING, CONCRETE SURFACES MUST CURE 30 DAYS. BLOCK AND PLASTER SURFACES MUST CURE FOR 30 DAYS.
- REFER TO REFLECTED CEILING PLANS AND FINISH FLOOR PLANS FOR ADDITIONAL INFORMATION.
- ALL INTERIOR FINISHES IN CORRIDOR SHALL BE 'CLASS - A' RATED.
- SHOULD ANY FINISH MATERIALS BE DISCONTINUED BY MANUFACTURER, THE CONTRACTOR MUST REPLACE WITH CLOSEST MATCH AT NO ADDITIONAL COST, AND SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- HOLLOW METAL DOOR FRAMES, SIDE LIGHTS AND WINDOW FRAMES SHALL BE PREPPED AND PAINTED AS PER PAINTING SPECIFICATION 092000. (ALL COLORS AS SELECTED BY ARCHITECT.)
- CONTRACTOR SHALL PREP, PRIME AND PAINT SHEETROCK CEILING UNLESS OTHERWISE NOTED.
- REFER TO FINISH FLOOR PLANS FOR TILE PATTERNS - THE TILE PATTERNS MAY NOT REPRESENT THE FINAL PATTERNS TO BE DESIGNED, INSTALLED AND TURNED OVER TO OWNER. THE BID SHALL BE BASED ON THE TILE MIX AND PERCENTAGES AS INDICATED IN THE PROJECT MANUAL.
- ALL FINISHES SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- REFER TO REFLECTED CEILING PLANS, TOILET ROOM TILE PLANS AND FINISHED FLOOR PLANS FOR ADDITIONAL FINISH INFORMATION.
- GENERAL CONTRACTOR SHALL PROVIDE TERMINATION STRIPS, RUBBER REDUCERS, EDGE GUARDS, ADAPTERS AND TRANSITIONS BETWEEN DISSIMILAR MATERIALS AND HEIGHT DIFFERENTIALS BOTH TO PROTECT THE FINISH EDGE OR TO PROVIDE AN ADA ACCESSIBLE TRANSITION.

PAINT TYPES

TYPE P-1: PAINT BY SHERWIN WILLIAMS, LATEX EGGSHELL ENAMEL FINISH. COLOR: TO BE SELECTED BY ARCHITECT (OFFICES, CORRIDORS & GENERAL)

FLOOR TYPES

VINYL:

TYPE VCT1: 12" x 12" x 1/8" VINYL COMPOSITE TILE AS MANUFACTURED BY ARMSTRONG FLOORING COLLECTION. STANDARD EXCELON IMPERIAL TEXTURE. COLOR: TO BE SELECTED BY ARCHITECT (BREAK ROOM, OFFICE, etc.)

CONCRETE:

TYPE PC0NC: COROTECH 100% SOLIDS EPOXY COATING V430 AS MANUFACTURED BY BENJAMIN MOORE. REFER TO SPEC SECTION 092000. COLOR AND FINISH TO BE SELECTED BY ARCHITECT (HEAVY VEHICULAR TRAFFIC, WET ENVIRONMENT, LOW SHEEN)

RUBBER BASE:

TYPE RCB1: 4" RUBBER COVE BASE BY 'JOHNSONITE' COLOR: TO BE SELECTED BY ARCHITECT (CORRIDORS)

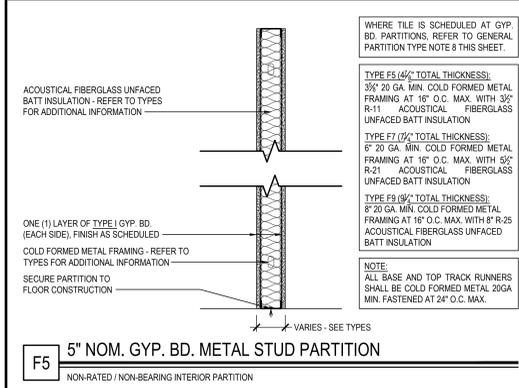
GYPSON BOARD FINISHING

- GENERAL CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF GYPSON ASSOCIATION TRADE PUBLICATION GA-214-86 'RECOMMENDED LEVELS OF GYPSON BOARD FINISH AND SPECIFICATION SECTION 092000.
- LEVEL 0 - FOR USE IN TEMPORARY CONSTRUCTION, OR WHERE FINAL FINISH / DECORATION HAS NOT BEEN DETERMINED.
- LEVEL 1 - FOR USE AT PLENUM AREAS, ABOVE CEILING, IN ATTICS & IN AREAS WHERE THE ASSEMBLY WOULD GENERALLY BE CONCEALED OR IN BUILDING CORRIDORS & OTHER AREAS NOT NORMALLY OPEN TO THE PUBLIC VIEW.
- LEVEL 2 - FOR USE AT LOCATIONS WHERE WATER-RESISTANT GYPSON BACKING BOARD IS INSTALLED AS A TILE SUBSTRATE AND FOR USE IN GARAGES, WAREHOUSE STORAGE OR OTHER SIMILAR AREAS WHERE SURFACE APPEARANCES ARE NOT OF PRIMARY CONCERN.
- LEVEL 3 - FOR USE IN APPEARANCE AREAS THAT ARE TO RECEIVE HEAVY OR MEDIUM TEXTURE FINISHES BEFORE FINAL PAINTING, OR WHERE HEAVY-GRADE WALL COVERINGS ARE TO BE APPLIED AS THE FINAL DECORATION.
- LEVEL 4 - FOR USE WHERE LIGHT TEXTURE OR WALL COVERINGS ARE TO BE APPLIED, OR WHERE ECONOMY IS OF THE ARCHITECT'S CONCERN.
- LEVEL 5 - FOR USE WHERE GLOSS, SEMI-GLOSS, ENAMEL OR NON-TEXTURED FLAT FINISHES ARE SPECIFIED, OR WHERE SEVERE LIGHTING CONDITIONS OCCUR (IN THE OPTION OF THE ARCHITECT).

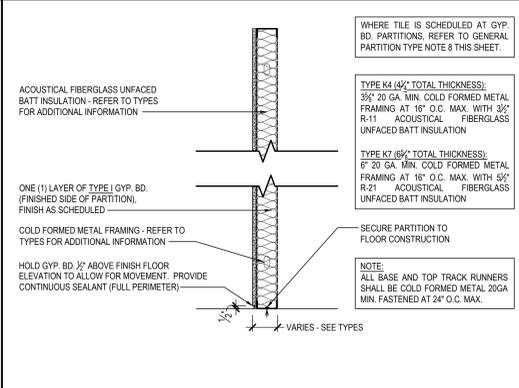
ATTIC STOCK INFORMATION

NET: (1) ONE BOX FOR EACH (50) BOXES OF PRODUCT INSTALLED
ACT: NOT LESS THAN 1% OF TOTAL PRODUCT INSTALLED
RUBBER: NOT LESS THAN 1% OF TOTAL PRODUCT INSTALLED
PAINT: 10% OF EACH COLOR, TYPE AND GLOSS OF PAINT USED
PFT: NOT LESS THAN 1% OF TOTAL PRODUCT INSTALLED
CPT: (1) ONE BOX FOR EACH (50) BOXES OF PRODUCT INSTALLED

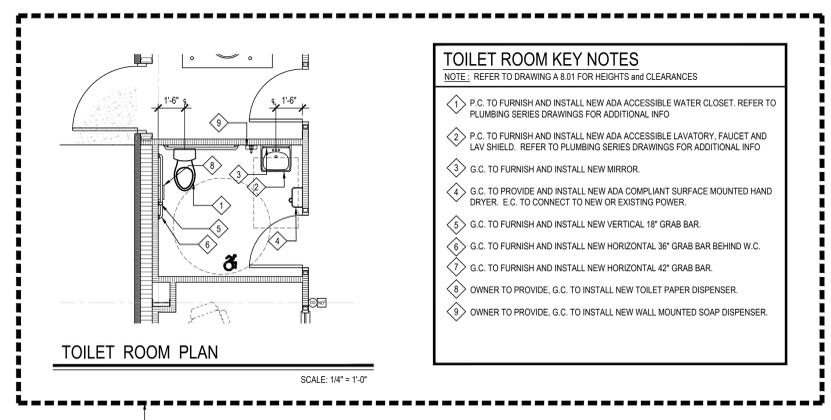
ROOM No.	LOCATION	FLOORS				WALLS		CEILINGS		REMARKS	ROOM No.
		FIELD	ACCENT	BASE	RCB	TYPE	FINISH	P-1	GYP BD - P-1		
001	Admin. Office Area	VCT	---	---	RCB	GYP BD	P-1	GYP BD - P-1			001
002	Handicapped Toilet Room	VCT	---	---	RCB	GYP BD	P-1	GYP BD - P-1			002
003	Storage Room	P-CQNC	---	---	RCB	GYP BD	P-1	GYP BD - P-1			003
010	Storage / Garage	P-CQNC				GYP BD		P-1	EXPOSED STRUCT		010



F5 5" NOM. GYP. BD. METAL STUD PARTITION
NON-RATED / NON-BEARING INTERIOR PARTITION



K4 4" NOM. GYP. BD. METAL STUD PARTITION - SINGLE SIDED



TOILET ROOM PLAN
SCALE: 1/4" = 1'-0"

TOILET ROOM KEY NOTES
NOTE: REFER TO DRAWING 8.01 FOR HEIGHTS AND CLEARANCES

- P.C. TO FURNISH AND INSTALL NEW ADA ACCESSIBLE WATER CLOSET. REFER TO PLUMBING SERIES DRAWINGS FOR ADDITIONAL INFO
- P.C. TO FURNISH AND INSTALL NEW ADA ACCESSIBLE LAVATORY, FAUCET AND LAV SHIELD. REFER TO PLUMBING SERIES DRAWINGS FOR ADDITIONAL INFO
- G.C. TO FURNISH AND INSTALL NEW MIRROR
- G.C. TO PROVIDE AND INSTALL NEW ADA COMPLIANT SURFACE MOUNTED HAND DRYER. E.G. TO CONNECT TO NEW OR EXISTING POWER
- G.C. TO FURNISH AND INSTALL NEW VERTICAL 18" GRAB BAR
- G.C. TO FURNISH AND INSTALL NEW HORIZONTAL 36" GRAB BAR BEHIND W.C.
- G.C. TO FURNISH AND INSTALL NEW HORIZONTAL 42" GRAB BAR
- OWNER TO PROVIDE, G.C. TO INSTALL NEW TOILET PAPER DISPENSER.
- OWNER TO PROVIDE, G.C. TO INSTALL NEW WALL MOUNTED SOAP DISPENSER.

KEY PLAN
NOT TO SCALE

PROJECT
BEDFORD CENTRAL SCHOOL DISTRICT
PHASE 2 - BOND IMPROVEMENTS
TRANSPORTATION / MAINTENANCE BUILDING
BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
FOUNDATION PLAN DETAILS and SECTIONS
FINISH SCHEDULE, PARTITION TYPES, and NOTES

DRAWING BY: H.P.A.
CHECK BY: J.P.

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SEd No: 66-01-02-06-5-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

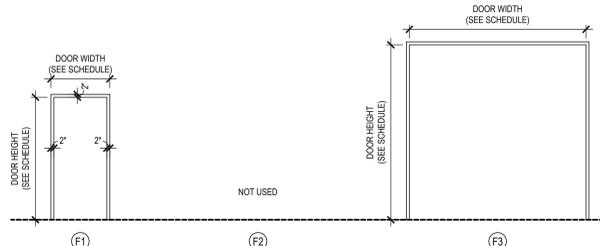
PROJECT: PHASE 2 - BOND IMPROVEMENTS

DWG TITLE: FOUNDATION PLAN DETAILS, FINISH SCHEDULE, and NOTES

SCALE: AS NOTED
DATE: JANUARY 2026
BID PICK-UP:
FILE No: 23-131K TMB

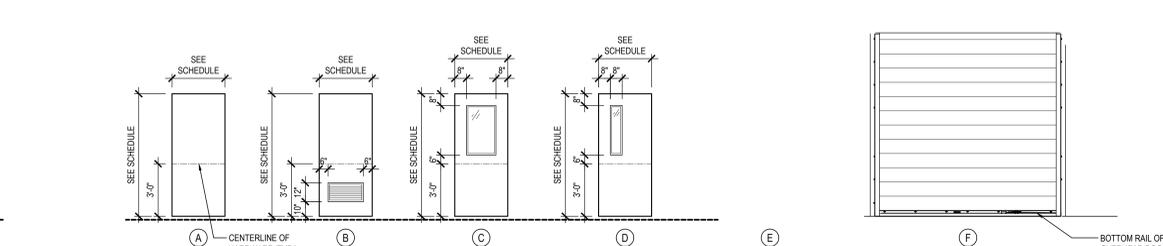
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DOOR NO.	LOCATION	SIGNAGE	DOOR										FIRE RATING	REMARKS	DOOR NO.			
			LEAVES	WIDTH	HEIGHT	THICKNESS	ELEV. TYPE	MAT.	GLAZING	FRAME	MAT.	GLAZING				HARDWARE SET	DETAIL	
01	EXTERIOR to Garage	---	1	3'-8"	7'-0"	1 3/4"	C	FRP	INSUL.	F-1	H.M.	---	08	J-1	T-1	---		01
02	EXTERIOR to Garage	---	1	3'-8"	7'-0"	1 3/4"	C	FRP	INSUL.	F-1	H.M.	---	08	J-1	T-1	---		02
03	Garage to Office - ALT.		1	3'-0"	7'-0"	1 3/4"	D	H.M.	TEMP.	F-1	H.M.	---	01	H-1	J-3		ALT. NO. 1	03
04	Garage to Toilet Room - ALT.		1	3'-0"	7'-0"	1 3/4"	A	H.M.		F-1	H.M.	---	03	H-1	J-3		ALT. NO. 1	04
05	Garage to Storage Room - ALT.		1	3'-0"	7'-0"	1 3/4"	A	H.M.		F-1	H.M.	---	06	H-1	J-3		ALT. NO. 1	05
06	EXTERIOR to Storage Room	---	1	3'-8"	7'-0"	1 3/4"	A	FRP		F-1	H.M.	---	08	J-1	T-1			06
11	Overhead Door to Garage			12'-0"	12'-0"		F	---		F-3	---	---	04	J-2	T-2			11
12	Overhead Door to Garage			10'-0"	12'-0"		F	---		F-3	---	---	04	J-2	T-2			12
13	Overhead Door to Garage			10'-0"	12'-0"		F	---		F-3	---	---	04	J-2	T-2			13



FRAME TYPE ELEVATIONS

NOTE: REFER TO DOOR SCHEDULE FOR DOOR FRAME MATERIAL.



DOOR TYPE ELEVATIONS

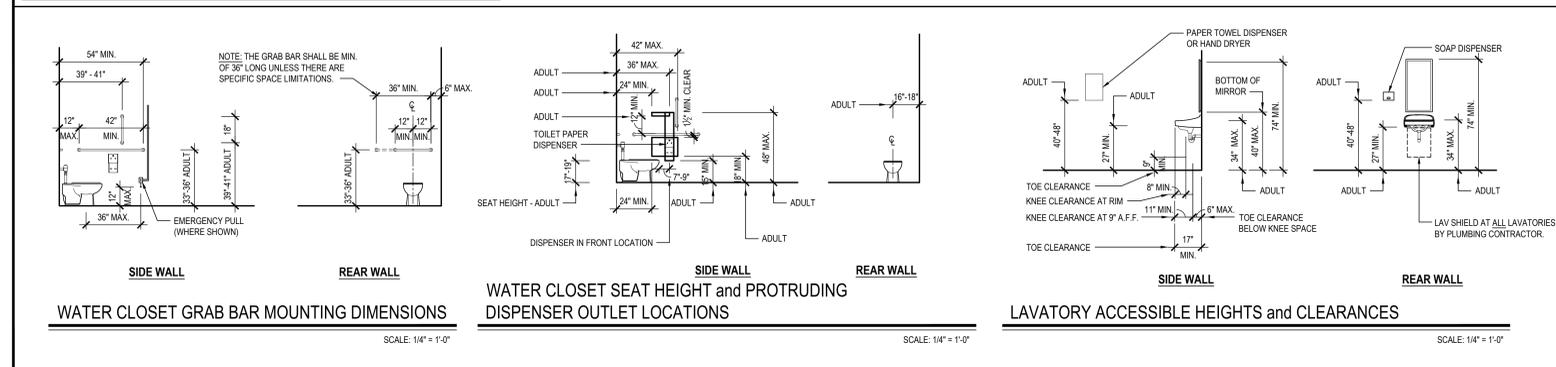
NOTE: REFER TO DOOR SCHEDULE FOR DOOR MATERIAL AND GLAZING TYPE (WHERE APPLICABLE).

ABBREVIATION LEGEND	
ALUM.	ALUMINUM
S.C.L.C.O.V.	SOLID COMPOSITE LUMBER CORE OAK VENEER
M.C.O.V.	MINERAL CORE OAK VENEER
S.C.L.C.M.V.	SOLID COMPOSITE LUMBER CORE MAPLE VENEER
M.C.M.V.	MINERAL CORE MAPLE VENEER
F.R.P.	FIBERGLASS REINFORCED POLYESTER
H.M.	HOLLOW METAL
F.G.	FIREGLASS 20
F.L.P.	FIRE-LITE PLUS
PYRO	PYROSTOP GLAZING
INSUL.	1" INSULATED GLAZING
S.L.	1/2" SAFETY LAMINATED GLAZING
OBS.C.	OBSCURE GLAZING
U.O.N.	UNLESS OTHERWISE NOTED
S.F.	SECURITY FILM
SG-1	1/2" SHOOTER ATTACK GLAZING
SG-2	1" INSULATED SHOOTER ATTACK GLAZING
SG-3	20 MIN. RATED SHOOTER ATTACK GLAZING
SG-4	45 MIN. RATED SHOOTER ATTACK GLAZING
SG-5	80 MIN. SHOOTER ATTACK GLAZING
SG-6	80 MIN. SHOOTER ATTACK GLAZING
BRG-1	LEVEL 1 BULLET RESISTANT GLAZING
BRG-2	LEVEL 2 BULLET RESISTANT GLAZING
BRG-3	LEVEL 3 BULLET RESISTANT GLAZING
SGP-1	LEVEL 1 BULLET RESISTANT SECURITY PANEL
SGP-2	LEVEL 2 BULLET RESISTANT SECURITY PANEL
SGP-3	LEVEL 3 BULLET RESISTANT SECURITY PANEL
TEMP.	1/2" TEMPERED GLAZING

DOOR NOTES

- ALL DOORS, FRAMES AND HARDWARE SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- GENERAL CONTRACTOR SHALL COORDINATE ALL KEYING WITH OWNER.
- FIRE RATED WOOD DOORS (60 MIN. AND ABOVE ONLY) SHALL HAVE SOLID MINERAL CORE. ALL OTHER WOOD DOORS SHALL HAVE SOLID COMPOSITE LUMBER CORE.
- FLUSH WOOD DOORS SHALL BE 5 PLY LAMINATED FACE SHEETS WITH 2 PLY FINISH VENEER OVER SPECIFIED CORE. AT FIRE RATED DOORS, TOP AND BOTTOM RAILS AND STILES SHALL BE FIRE RESISTANT COMPOSITION MATERIAL BONDED TO CORE. PROVIDE SOLID BLOCKING FOR CLOSER AND HARDWARE. REFER TO SPECIFICATION SECTION 081416.
- ALL GLAZING IN DOORS SHALL BE INSTALLED IN METAL VISION KIT TO MATCH FIRE LABEL. VISION KIT COLOR SHALL BE AS SELECTED BY ARCHITECT. INTERIOR GLAZING TYPES AND SIZES SHALL CONFORM TO NFPA 80 AND/OR ASTM E119. WHERE SECURITY GLAZING IS INDICATED, VISION KIT SHALL BE THROUGH BOLT TYPE.
- ALL NEW H.M. FRAMES SHALL BE FULLY WELDED WRAP AROUND TYPE (UNLESS OTHERWISE NOTED OR DETAILED). THROATS SHALL BE SIZED ACCORDING TO WALL THICKNESS AND FINISH. REFER TO FLOOR PLAN AND ENLARGED DETAILS FOR ADDITIONAL INFORMATION.
- FOR DOOR REPLACEMENTS IN KIND, GENERAL CONTRACTOR SHALL MODIFY AND PATCH EXISTING WOOD OR H.M. DOOR FRAMES (DESIGNATED TO REMAIN) TO ACCOMMODATE NEW DOOR OPERATOR, LOCKSET, LATCH, HINGES, DOOR SWING AND/OR CLOSER, ETC. AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING HEIGHT AND WIDTH OF PROPOSED DOORS TO BE INSTALLED IN EXISTING FRAMES (PRIOR TO SHOP DRAWING SUBMITTAL) TO ENSURE PROPER FIT AND DOOR FUNCTION.
- ALL NEW HOLLOW METAL FRAMES AND HOLLOW METAL DOORS SHALL BE FINISH PAINTED. REFER TO SPECIFICATION SECTION 09000 FOR PAINT TYPE. COLOR AS SELECTED BY ARCHITECT.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL A.D.A. COMPLIANT SIGNAGE AT ALL DOORS WHERE SPECIFIED IN DOOR SCHEDULE AND/OR SHOWN ON FLOOR PLANS. INSTALL IN CONFORMANCE WITH ALL ADA HEIGHT AND PLACEMENT REQUIREMENTS.
 - ▲ A WHERE DENOTED IN SCHEDULE, PROVIDE 4"x4" SIGNAGE WITH BRAILLE INDICATING ROOM NUMBER (COORD. WITH OWNER), MODEL NO. E-BT.CUST.
 - ▲ B WHERE DENOTED IN SCHEDULE, PROVIDE 4"x12" SIGNAGE WITH BRAILLE INDICATING ROOM NAME AND NUMBER (COORD. WITH OWNER), MODEL NO. E-BT.CUST.
 - ▲ C WHERE DENOTED IN SCHEDULE, PROVIDE 8"x8" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT MULTI-USE TOILET ROOMS.
 - AT MULTI-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5687 (WOMEN), X-5672 (MEN), X-7095 (BOYS), X-7096 (GIRLS).
 - AT MULTI-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5688 (WOMEN), X-5671 (MEN), X-7108 (BOYS), X-7107 (GIRLS).
 - ▲ D WHERE DENOTED IN SCHEDULE, PROVIDE 8"x8" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT SINGLE-USE TOILET ROOMS.
 - AT SINGLE-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-BT.CUST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
 - AT SINGLE-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-BT.CUST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
- MANUFACTURER: "ALLSTATE SIGN AND PLAQUE", DEER PARK, NY OR APPROVED EQUAL. ALL SIGNAGE SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL AS SELECTED BY ARCHITECT.
- ALL REMOVABLE MULLIONS ARE TO BE KEVED ALIKE AND TO MATCH EXISTING BUILDING SYSTEM.
- AUTOMATIC DOOR OPERATORS - THE ELECTRICAL CONTRACTOR SHALL PROVIDE A LINE VOLTAGE CIRCUIT TO THE AUTO OPERATOR. LOCATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRING ASSOCIATED WITH AUTOMATIC DOOR OPERATORS, INCLUDING ELECTRONIC STRIKE, PUSH BUTTONS, TRANSFORMERS AND ANY OTHER DEVICES REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- FIRE RATED GLAZING WITH SURFACE APPLIED FILMS WILL NOT BE CONSIDERED EQUIVALENT WHERE LAMINATED FILM IS SPECIFIED.

ADA COMPLIANT PLUMBING ELEMENTS MOUNTING STANDARDS

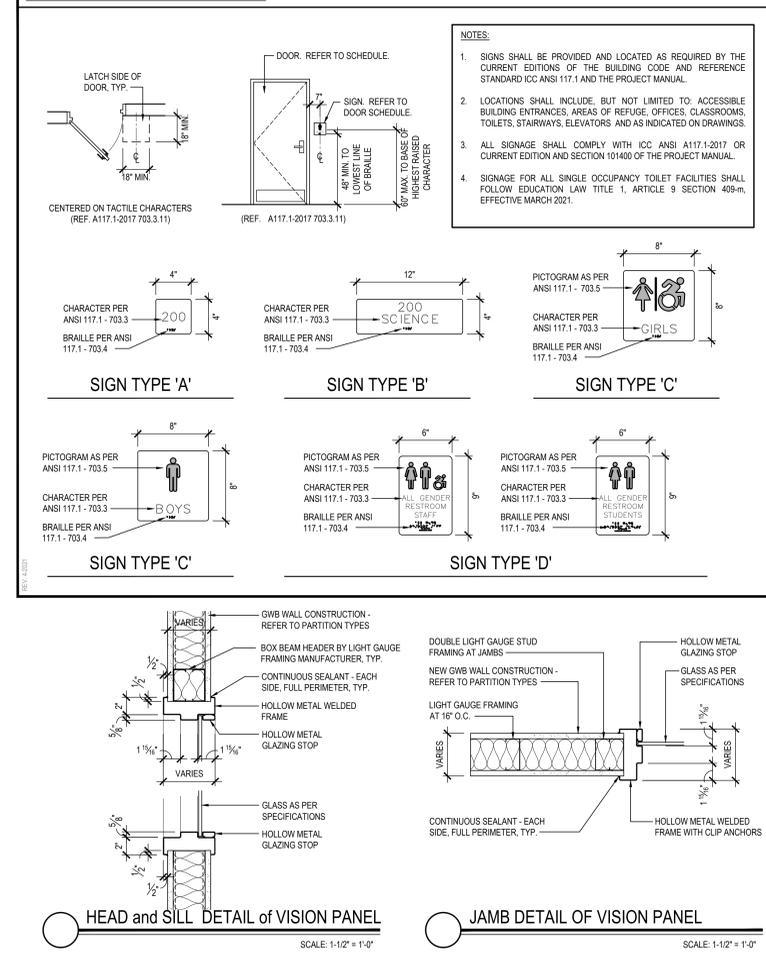


WATER CLOSET GRAB BAR MOUNTING DIMENSIONS

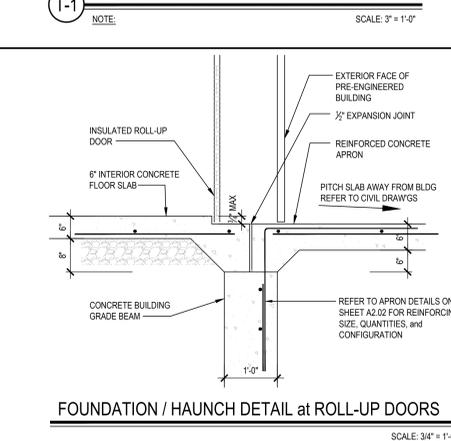
WATER CLOSET SEAT HEIGHT and PROTRUDING DISPENSER OUTLET LOCATIONS

LAVATORY ACCESSIBLE HEIGHTS and CLEARANCES

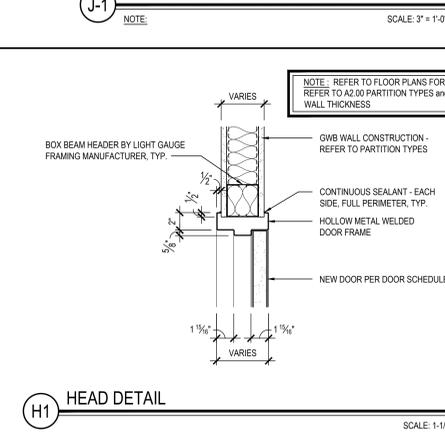
TYPICAL ADA SIGNAGE DETAILS



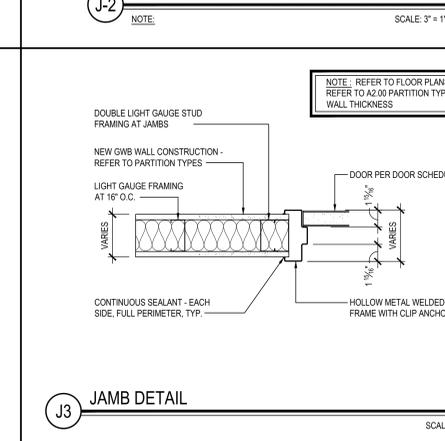
T-1 EXTERIOR DOOR THRESHOLD DETAIL



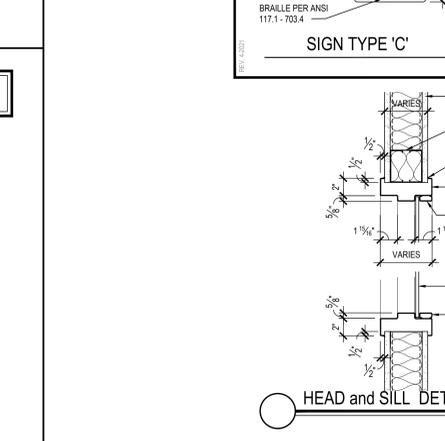
J-1 EXTERIOR DOOR JAMB DETAIL



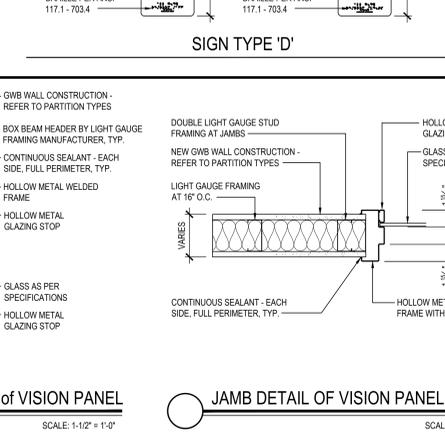
J-2 OVERHEAD ROLL-UP DOOR JAMB DETAIL



H1 HEAD DETAIL



J3 JAMB DETAIL



REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT: BEDFORD CENTRAL SCHOOL DISTRICT PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE: DOOR SCHEDULE, LEGENDS, DETAILS, and NOTES

DRAWING BY: H.P.A.

CHECK BY: J.P.

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SED No: 66-01-02-05-6-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT: PHASE 2 - BOND IMPROVEMENTS

DWG TITLE: DOOR SCHEDULE, LEGENDS, DETAILS, and NOTES

SCALE: AS NOTED

DATE: JANUARY 2026

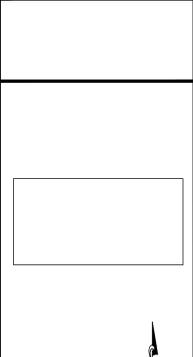
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REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 MECHANICAL PLAN and SECTIONS

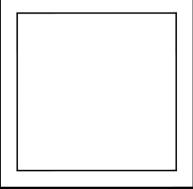
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SED No.: 66-01-02-06-5-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT: PHASE 2 - BOND IMPROVEMENTS

DWG TITLE: MECHANICAL PLAN and SECTIONS

SCALE: AS NOTED

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BID PICK-UP:

FILE No.: 23-131K TMB

MB M2.01

CARBON MONOXIDE - NITROGEN DIOXIDE MONITORING SYSTEM
 MECHANICAL CONTRACTOR TO INSTALL THE FOLLOWING:
 HONEYWELL E3POINT 301C CO-NO2 MONITORING SYSTEM WITH CO SENSORS, NO2 SENSORS, BACnet CONTROL PANEL AND AUDIOVISUAL ALARM.
 *CO SENSORS TO BE MOUNTED 3 TO 5 FEET ABOVE FINISHED FLOOR.
 NO2 SENSORS TO BE MOUNTED 1 TO 3 FEET FROM CEILING.
 SENSORS RADIUS OF COVERAGE = 50 FEET
 SYSTEM TO BE IN COMPLIANCE WITH NYSMC SECTION 403, UBC SECTION 705 AND LOCAL AUTHORITIES HAVING JURISDICTION REGULATIONS.
 SYSTEM TO PROVIDE INPUT TO THE BMS DDC SYSTEM TO CONTROL EMERGENCY EXHAUST FAN EEF-1 & MOTORIZED DAMPER No.1, No. 2 & No. 3 OPERATION.
 REFERENCE ATC SPECIFICATION 230923.

GENERAL NOTES

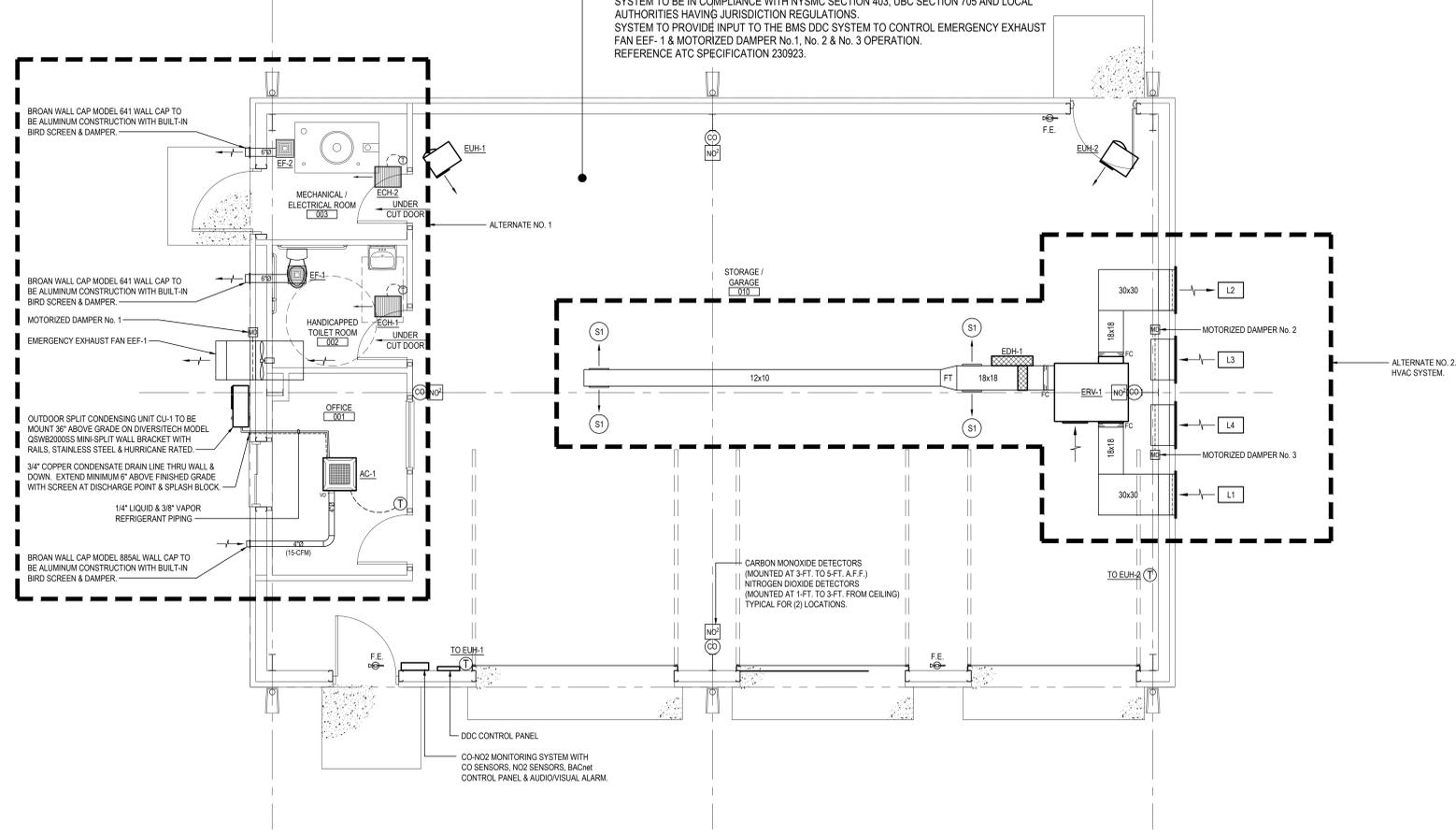
- REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK SHALL BE NECESSARY FOR THE PERFORMANCE OF GENERAL WORK. ALL EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND MAKE ALL NECESSARY CHANGES REQUIRED BASED ON EXISTING CONDITIONS. FOR PROPER DEMOLITION OF EXISTING WORK AND INCLUDE ALL MATERIALS AND LABOR IN HIS BID PRICE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO DO SO.
- BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE PREMISES OF HIS PROPOSED WORK AND SHALL CAREFULLY EXAMINE THE ENGINEERING DRAWINGS, EXISTING CONDITIONS AND LIMITATIONS THEREOF. VERIFICATION SHALL BE MADE AS TO THE ACTUAL LOCATIONS WHERE THE NEW PIPING WILL BE ROUTED, COORDINATING WITH NEW AND EXISTING WORK AND PROVIDING CLEARANCES WITH STRUCTURAL MEMBERS. THE CONTRACTOR SHALL INCLUDE ALL COSTS OF ANY KIND WHATSOEVER WHICH ARE INCURRED THROUGH LIMITATIONS OF THE EXISTING AND NEW CONDITIONS. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT AND MATERIALS REQUIRED DUE TO DIFFICULTIES WHICH COULD HAVE BEEN FORESEEN WILL NOT BE CONSIDERED AS EXTRA WORK.
- THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING AND EQUIPMENT AND INDICATE THE REQUIRED SIZE AND POINTS OF TERMINATION OF THE PIPING AND SUGGEST PROPER ROUTING OF SAME. HOWEVER, IT IS NOT THE INTENTION OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, OBSTRUCTIONS OR STRUCTURAL CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE. AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER CONSTRUCTION OR COST.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHEN NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN CRATED SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AREAS AVAILABLE. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT COULD BE MOVED THROUGH THE BUILDINGS.
- COORDINATE THE EXACT SIZE AND LOCATION OF THE NEW OPENINGS WITH EXISTING STRUCTURE. PATCH AND INSULATE AS REQUIRED. THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF NEW PIPING, CONDUIT, DUCTWORK, ETC. THROUGH EXISTING FIRE/ SMOKE BARRIERS. FIRE/SMOKE STOPPING SHALL BE 3M FIRE BARRIER CP 25 NS CAULK UNLESS OTHERWISE NOTED.
- IT IS THE INTENT OF THIS CONTRACT TO KEEP REMAINING SYSTEMS LEFT IN GOOD WORKING ORDER, READY FOR OPERATION, INCLUDING NECESSARY LABOR AND MATERIALS.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING, PIPING OR CONTROL TUBING. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S COST, WITHIN COST, WITHIN THIS CONTRACT PERIOD FOR SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL REPAIR AND RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, AND DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL MAKE REPAIRS USING THE SAME MATERIALS, AT THE CONTRACTOR'S COST.
- THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT AND MATERIALS.
- DAILY, DURING DEMOLITION AND DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS. ALL AREAS AND EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE CLEAN OF DUST AND DEBRIS BEFORE FINAL ACCEPTANCE BY THE OWNER.
- PROVIDE FOR LEGAL REMOVAL AND DISPOSAL OF ALL RUBBISH AND DEBRIS FROM THE BUILDING AND SITE. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.
- THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC.
- PAINT AND TOUCHUP ALL SURFACES MARRED BY PERFORMANCE OF THE WORK.
- THE MECHANICAL CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN THE BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS (M.C.) MECHANICAL WORK.

FIRE STOP NOTES

- ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED BY MECHANICAL CONTRACTOR.
- THE FIRE STOP MATERIALS SHALL BE HILTI TYPE FS-657 FIRE BLOCK, FS-ONE SEALANT, CP-672 JOINT SPRAY, CP-601S ELASTOMERIC SEALANT, 6P-606 FLEXIBLE SEALANT, CP-643 OR CP-642 COLLAR, CP-618 PUTTY STICK, OR FS-635 TROWEL APPLIED COMPOUND, AS SUITABLE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS TO BE USED.
- FIRESTOP MATERIALS OTHER THAN HILTI SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRE STOPS.

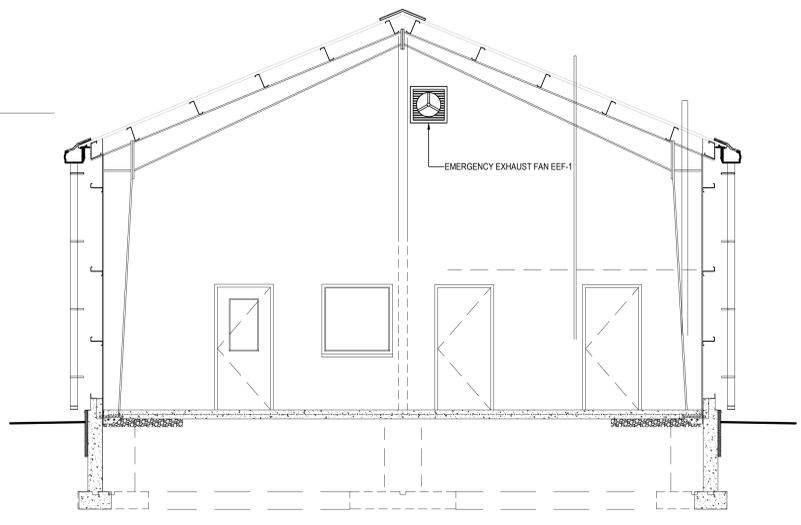
ELECTRICAL WORK & TEMPERATURE CONTROL WIRING UNDER MECHANICAL CONTRACT

- MECHANICAL CONTRACTOR SHALL PROVIDE ALL STARTERS & DISCONNECT SWITCHES REQUIRED FOR ALL NEW MECHANICAL EQUIPMENT. STARTER / DISCONNECT SWITCH INSTALLATION TO BE PERFORMED UNDER THE ELECTRICAL CONTRACT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR PRIOR TO START OF WORK. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR POWER WIRING FROM DISCONNECT SWITCH TO MOTOR STARTERS & TO ALL EQUIPMENT LINE VOLTAGE LOADS.
- POWER WIRING REQUIRED FOR CONTROLS SHALL BE PERFORMED UNDER THE MECHANICAL CONTRACT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE ELECTRICAL DRAWINGS. MECHANICAL CONTRACTOR SHALL OBTAIN THE SERVICES OF A LICENSED ELECTRICIAN (PER NEC REQUIREMENTS) TO PERFORM ANY & ALL ELECTRICAL WORK.



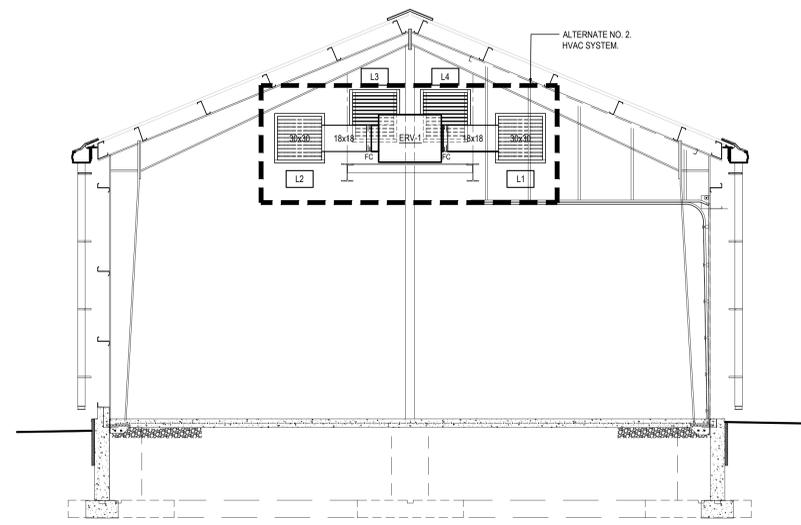
MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



A CROSS SECTION FACING OFFICE AREA

SCALE: 1/4" = 1'-0"



B CROSS SECTION thru STORAGE / GARAGE AREA

SCALE: 1/4" = 1'-0"

INDOOR UNIT AC-1 & OUTDOOR UNIT CU-1

KSUDB121A
R32 Single Zone 2x2 Four-Way Cassette

Performance:	
Cooling Capacity (Min/Rated/Max) (Btu/h)	3,600/11,000/12,400
SEER2	21.5
SEER2	13.00

Heating Capacity (Min/Rated/Max) (Btu/h)	4,400/14,000/15,500
HSPF2	10.1
Max. Heating @ Indoor 70°F DB	12,700
Outdoor 17°F WB	10,700
Outdoor 5°F WB	9,900
Outdoor -4°F WB	

Electrical:	
Power Supply (V/Hz/Ø)	208-230/60/1
MOP (A)	15
MCA (A)	9.65
Cooling Rated Amps (A)	13.4
Compressor (A)	9.0
Heating Rated Amps (A)	9.0
Fan Motor (ODU + IDU) (A)	0.25 + 0.4
Cooling Power Input (Min/Rated/Max @95°F) (kW)	0.19~0.85~1.10
Heating Power Input (Min/Rated/Max @47°F) (kW)	0.15~1.210~1.62

Refrigerant Type	R32
Refrigerant Control	EVV
Refrigerant Charge (lbs.)	2.43
IDU Sound Pressure (INW/L) (3-8dB(A)*)	38 / 35 / 32
ODU Net / Shipping Weight (lbs.)	49 / 52
ODU Net / Shipping Weight (lbs.)	75 / 79.4
Grille Net / Shipping Weight (lbs.)	28.4 / 34
Grille Net / Shipping Weight (lbs.)	6.3 / 8.6

Notes:	
1. Inverter (Variable Speed) Compressor	• Auto Restart / Auto Changerover
2. Internal Condensate Pump	• R32 Leak Detection Sensor
3. Smart Wind Jet Cool	• Ultra quiet Turbo Fan
4. IDU compatible with Multi F. ODU's	• Optional Wi-Fi Control

Required Accessories:	
• Panel (EA-1312* / EA-1312*) - PT-QAGWO	
Optional Accessories:	
• Ventilation Flange* - PTM430	
• Auxiliary Heat (S) - P048R1	
• Wi-Fi Module - P01M02D00	
• Single-Port Smart Valve - P09B010A	
• Low Ambient Wind Buffer (Cooling operation to 4°F) - ZL4B0P01A	
• Drain Fan Heater - P024432	

Controller Options:	
• MultiSITe™ CR2™ Controllers	• Delay Remote Controller
• Standard Remote Controller	• Remote Temperature Button
• Standard III Remote Controller	• Dry Contacts

Operating Range:

Outdoor Unit:	
Cooling (°F DB)	5 ~ 118
Heating (°F WB)	-4 ~ +64

Indoor Unit:	
Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

System Data:	
Refrigerant Type	R32
Refrigerant Control	EVV
Refrigerant Charge (lbs.)	2.43
IDU Sound Pressure (INW/L) (3-8dB(A)*)	38 / 35 / 32
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REFRIGERANT PIPING INSULATION

2020 INTERNATIONAL ENERGY CONSERVATION CODE TABLE C403.2.10	
FLUID	THRU 6"
REFRIGERANT PIPING	1"
	1-1/2"

INSULATE REFRIGERANT PIPING WITH ARMAFLEX SHIELD FOAM INSULATION WITH MOISTURE RESISTANT & UV RESISTANT.

WALL MOUNTED CONTROLLER

PREMTCV2

MULTISITE CR2C Remote Controller

Electrical:	
Power Supply	12VDC power from indoor unit
Surrounding Conditions:	
Temperature	32-122°F
Humidity	5-95% RH (non-condensing)

Features:	
• Customizable color digital touch screen interface with Multitouch support	
• BA.Net™ Wireless IP (optional)	
• ZigBee™ Pro Wireless capability (optional)	
• 2 universal inputs, 1 universal output, and 1 digital output	
• Role based configuration (password protected)	
• Function code settings	
• Function code search tool	
• Date and time display	
• Room temperature display (-9°F ~ +9°F adjustable)	
• Humidity display (+15% ~ +15% adjustable)	
• Operation - On/Off	
• Mode - Auto/Cool/Dry/Heat/Fan Only	
• Occupied cooling and heating temperature setpoints	
• Unoccupied cooling and heating temperature setpoints	
• 7 day scheduling with mode	
• Fan speed - Auto/Low/Med/High/Power	
• Discharge vanes - Auto/Swing/Fixed	
• Static pressure installer setting	

Optional Accessories (sold separately):	
<input type="checkbox"/> PZCWRG3 - Group Control Cable Kit	
<input type="checkbox"/> PZCWRG1 - Extension Cable (for IDUs without terminal blocks)	
<input type="checkbox"/> ZVRCZPW2C - ZigBee™ Pro Wireless Module*	
<input type="checkbox"/> ZVRCZWC1 - Wireless Door Window Contact*	
<input type="checkbox"/> ZVRCZMT1 - Wireless Ceiling Mounted Occupancy, Temperature and Humidity Sensor*	
<input type="checkbox"/> ZVRCZWS1 - Wireless Water Leak Sensor*	
<input type="checkbox"/> VCM8002V504 - WH-F Module (BA.Net Wireless IP)	

Notes:	
1. Available functions/features may differ based on connected system.	
2. Communication cables can be extended to a maximum of 100 feet.	
3. Up to 20 ZigBee™ sensors can be connected to the MultiSITe CR2C Remote Controller.	
*Always follow installation instructions in the applicable IDU installation manual.	

VENTILATION SCHEDULE

Room Number	Occupancy Classification	Occupancy Density (People Per 1000SF)	People Outdoor Airflow Rate in Breathing Zone, Rp (CFM/Person)	Area Outdoor Airflow Rate in Breathing Zone, Ra (CFM/SF)	Exhaust Airflow Rate (CFM/SF)	Area (SF)	Number of People (Pz)	Ventilation in Breathing Zone, Vz (CFM)	Zone Air Distribution Effectiveness, Ez	Corrected Zone Outdoor Airflow CFM, Vz	Exhaust Air CFM Required
010 MAINT. GARAGE	Repair garage OR enclosed parking garage	0	0	0	0.75	1434	0	0	0.8	0	1075.5
001 OFFICE	Office space	5	5	0.06	0	101	1	12	0.8	15	0
003 H.C. TOILET	Janitor Closet	0	0	0	1	61	0	0	0.8	0	75
003 UTILITY ROOM	Telephone/data entry	60	5	0.06	1	56	4	24	0.8	30	0

ENERGY RECOVERY VENTILATOR ERV-1

S&P USA

TRC1200-115

Energy Recovery Ventilator - Commercial

STANDARD FEATURES:
Large 5th Generation Cores for high efficiency • 10-year warranty on core • 2-year warranty on balance of unit • Access doors for easy access to blowers, core and filters • 24 VAC Transformer/Relay Package • Fully insulated case • Merv 8 filters • AHR1 Certified and cULus Listed • No condensate pan or drain required

Drive HP	V	Hz	Phase	FLA (per motor)	Min. Cir. Amps	Max. Overcurrent Protection Device
1	120	60	Single	6.5	14.6	20

Performance:	
Fan RPM	Flow (CFM)
1475	1090

Altitude (Feet):	n/a
Temperature (Fahrenheit):	n/a
Density (Lb/FT ³):	.075

Motor Information (Wired for 115V):					
HP	RPM	Volts/PH/Hz	Enclosure	Efficiency	Mounted
1	-	115V/1PH/60HZ	ENCLOSED FAN COOLED	PREMIUM	YES

Dimensions (Inches):				
A	B	C	D	E
14.75	10.90	1.482	1.29	0.36

Notes:	
1. Inverter (Variable Speed) Compressor	• Auto Restart / Auto Changerover
2. Internal Condensate Pump	• R32 Leak Detection Sensor
3. Smart Wind Jet Cool	• Ultra quiet Turbo Fan
4. IDU compatible with Multi F. ODU's	• Optional Wi-Fi Control

Required Accessories:	
• Panel (EA-1312* / EA-1312*) - PT-QAGWO	
Optional Accessories:	
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• Auxiliary Heat (S) - P048R1	
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• Drain Fan Heater - P024432	

Controller Options:	
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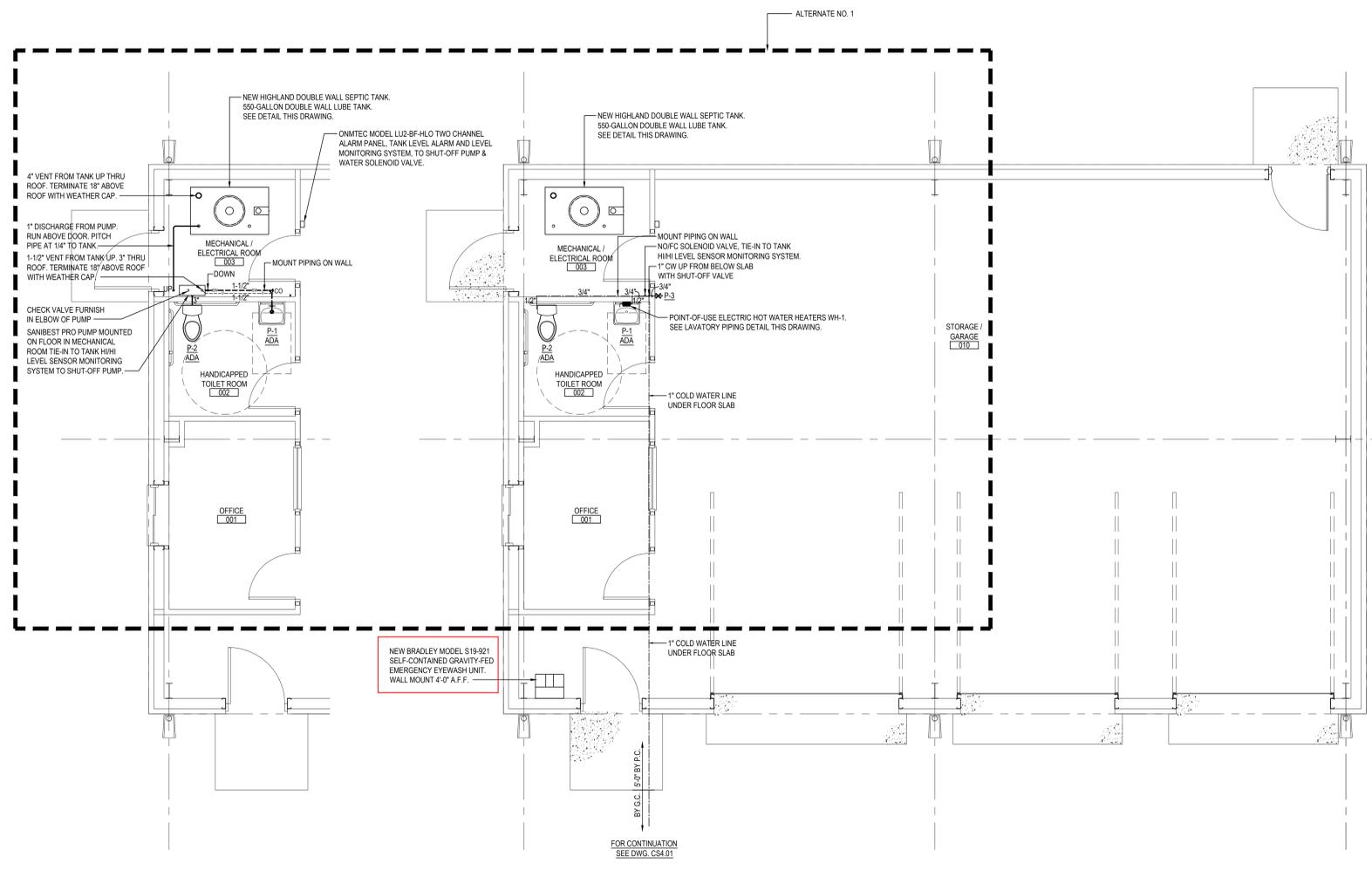
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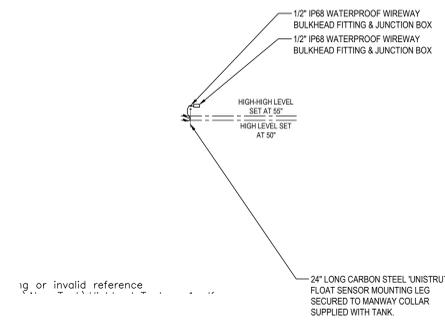
REV.	DATE	ITEM

NOTICE
 THESE DRAWINGS ARE BASED ON CONSTRUCTION DRAWINGS NOT PREPARED BY BBS ARCHITECTS, LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. AND, THEREFORE, MAY NOT REPRESENT THE CONDITIONS AS CONSTRUCTED AT THE TIME. ALL EXISTING CONDITIONS SHOWN ARE REPRESENTED AS "BEST-GUESSED" INFORMATION AS THEY HAVE NOT BEEN BUILT AND DETAIL PER THE ORIGINAL DOCUMENTS OR PER THE OWNER'S INFORMATION.



MECHANICAL FLOOR PLAN - SANITARY & VENT
 SCALE: 1/4" = 1'-0"

MECHANICAL FLOOR PLAN - DOMESTIC WATER
 SCALE: 1/4" = 1'-0"



DOUBLE WALL SEPTIC LUBE TANK DETAIL
 HIGHLAND TANK DWG. #129985 & QUOTE #574322
 NOT TO SCALE

OMNTEC TANK MONITORING SYSTEM		
QUANTITY	ITEM	DESCRIPTION
1	LUZ-BF-HLO	TWO CHANNEL AUDIO VISUAL CONTROLLER TO ACCEPT (2) N.O. BALL FLOATS FOR HI AND LOW LEVEL. COMES WITH ACK SW, TEST PB, SYSTEM DETECT LT, NEMA 4X ENCLOSURE.
2	OW-BF-1	SINGLE POINT BALL FLOAT SENSOR FOR LIQUID / SEDIMENT CONTAINMENT AREAS & TANKS. COME WITH 10-FOOT OF CABLE. MUST ADD (1) BX-UT FOR USE WITH PROTEUS CONTROLLER.

SEQUENCE OF OPERATION:
 *HIGH LEVEL = SOUND ALARM
 *HIGH-HIGH LEVEL = SOUND ALARM AND SHUT-OFF SEPTIC PUMP AND SHUT-OFF WATER SUPPLY SOLENOID VALVE.
 DESIGN CONTACT:
 LIZ MONTELEONE - OMNTEC APP ENGR
 EMAIL: LIZB@OMNTEC.COM
 PHONE: 631-861-2001 X 116
 QUOTATION No: Q25-00943

GENERAL NOTES

- PLUMBING CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID AND PERFORM ALL INVESTIGATION WORK BEFORE SUBMITTING A BID ON THE PLUMBING WORK.
- CONNECT ALL HOT WATER, COLD WATER, VENT, AND WASTE PIPING AS REQUIRED INCLUDING PIPING, VALVES, TRAPS, ESCUTCHEONS, SLEEVES, ACCESS DOORS, CLEANOUTS, PIPE HANGERS, INSULATION, ETC.
- PROVIDE AND INSTALL PLUMBING FIXTURES INCLUDING ALL CUTTING AND PATCHING AS REQUIRED INCLUDING WASTE, VENT, AND WATER SUPPLY CONNECTIONS AND FITTINGS (ALL TRAPS TO HAVE CLEANOUTS).
- ALL WORK SHALL BE IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING RELATED FEES.
- PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO CONSTRUCTION.
- INTERIOR DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER. UNDERGROUND DOMESTIC WATER PIPING SHALL BE TYPE "K" COPPER FOR UP TO 2" AND DUCTILE IRON OVER 2". WASTE PIPING SHALL BE SERVICE HEIGHT CAST IRON SOIL PIPE, HUB AND SPIGOT UNDERGROUND, AND NO HUB INSIDE BUILDING. STORM DRAIN PIPING SHALL BE NO HUB CAST IRON. SOIL PIPE INSIDE BUILDING. VENT PIPING SHALL BE NO HUB CAST IRON.
- PIPE INSULATION SHALL BE AS FOLLOWS:

MINIMUM PIPE INSULATION SCHEDULE		
FLUID	LESS THAN 1-1/2"	GREATER THAN 1-1/2"
TEMPERED WATER	1-1/2"	2"
COLD WATER	1-1/2"	1-1/2"
HOT WATER	1-1/2"	2"
- ALL WORK SHALL BE PROPERLY TESTED AND CLEANED. PROVIDE ONE YEAR WARRANTY FROM DATE OF ACCEPTED COMPLETION ON ALL PARTS AND LABOR.
- ALL EXPOSED METALWORK ON PLUMBING FIXTURES SHALL BE CHROME PLATED.
- PROVIDE SHUTOFF VALVE ON WATER SUPPLY BRANCH TO EACH INDIVIDUAL FIXTURE IN AN ACCESSIBLE LOCATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- WHERE DISSIMILAR METALS ARE CONNECTED, PROVIDE AN APPROVED MAKE OF NON-GALVANIC ISOLATOR, DIELECTRIC UNION OR FLANGES.
- PROVIDE AND INSTALL BOLT CAPS ON ALL TOILETS.
- RUN LOCAL HORIZONTAL DRAINAGE PIPING AT A GRADE OF 1/4-INCH PER FOOT WHEREVER POSSIBLE, BUT NO LESS THAN 1/8-INCH PER FOOT; HOUSE DRAINS AT 1/8-INCH PER FOOT UNLESS OTHERWISE NOTED AND OUTSIDE UNDERGROUND DRAINAGE PIPING AS INDICATED OR REQUIRED BY CODE.
- RUN VENT PIPING WITH LONG TURN ELBOWS AT CHANGES IN DIRECTION, GRADE TO DRAIN OUT CONDENSATION, AND CONNECT AT BASE TO PREVENT ACCUMULATION OF RUST.
- PROVIDE CLEANOUTS (FULL SIZE UP TO 4-INCHES AND AT LEAST HALF-SIZE FOR LARGER PIPES WITH 4-INCH MINIMUM), WHERE INDICATED, APPROXIMATELY EVERY 50 FEET ON HORIZONTAL DRAINAGE PIPING, AT CHANGES IN DIRECTION, AT BASE OF LEADERS, SOIL, AND WASTE STACKS, AND AS REQUIRED BY CODE.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORE DRILLING THRU WALLS, FLOORS AND CUTTING & PATCHING AS REQUIRED TO FACILITATE INSTALLATION OF PIPES AND PLUMBING FIXTURES.
- PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NEW VENTS FROM FIXTURES UP TO ROOF AS SHOWN.
- P.C. SHALL PROVIDE AND INSTALL PIPE INSULATION ON ALL DOMESTIC COLD WATER SUPPLY, HOT WATER SUPPLY, HOT WATER SUPPLY (REGULATION LINE) AND ROOF DRAIN PIPING THAT IS EXPOSED ABOVE CEILING OR IN CRAWL SPACE AND PIPE CHASES.

FIRE STOP NOTES

- ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED BY PLUMBING CONTRACTOR.
- THE FIRE STOP MATERIALS SHALL BE HILTI TYPE FS-657 FIRE BLOCK, FS-ONE SEALANT, CP-672 JOINT SPRAY, CP-601S ELASTOMERIC SEALANT, 6P-606 FLEXIBLE SEALANT, CP-643 OR CP-642 COLLAR, CP-618 PUTTY STICK OR FS-635 TROWEL APABLE COMPOUND, AS SUITABLE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS TO BE USED.
- FIRESTOP MATERIALS OTHER THAN HILTI SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRE STOPS.

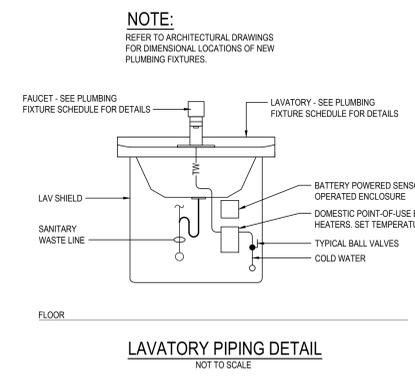
LEAD-FREE FIXTURE COMPLIANCE NOTE

- EPA 67.4 NOTE:**
- THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL NEW AND/OR REPLACEMENT PLUMBING FIXTURES. THE RESPECTIVE FIXTURES MUST ADHERE TO THE "LEAD-FREE" DIVISION 15A SPECIFICATIONS OUTLINING THE INSTALLATION MEANS AND METHODS AS WELL AS THE FIXTURE ITSELF BEING "LEAD FREE." THE CONTRACTOR SHALL PROVIDE THE REQUIRED SUBMITTALS FOR ALL FIXTURES AND BUILDING MATERIALS PRIOR TO THE FIXTURE INSTALLATION, AND CONFIRM ON THE JOBSITE THAT THE FIXTURE ADHERES TO "LEAD-FREE" REGULATIONS.
 - FOLLOWING THE POTABLE FIXTURE INSTALLATION, THE P.C. SHALL REMOVE ALL FILTERS AND STRAINERS AND FLUSH THE FIXTURE OF DEBRIS FROM THE SYSTEM.
 - FOLLOWING THE COMPLETION OF THE P.C. WORK SCOPE, THE OWNER SHALL HAVE THE WATER CONDITIONS TESTED FOR LEAD CONTAMINANTS BY A THIRD-PARTY TESTING FIRM TO REGULATION 67.4 OF THE DEPARTMENT OF HEALTH REGULATIONS AS PART OF SECTION 1417 OF THE FEDERAL SAFE WATER ACT TO DETERMINE THEM AS "LEAD-FREE" COMPLIANT, AND NYSDE GUIDELINES OF LESS THAN 15PPB.
 - IF A FIXTURE DOES NOT COMPLY WITH SUB-PART REGULATION 67.4 OF THE DOH SECTION 1417 OF THE FEDERAL SAFE WATER ACT, THE P.C. SHALL PROVIDE A REPLACEMENT FIXTURE AT NO ADDITIONAL COST. TO THEN REPEAT THE INSTALLATION AND TESTING REQUIREMENTS. THE P.C. SHALL ABSORB THE FEE FOR THE FIRST LEAD TESTING PROCEDURE AS WELL AS THE FOLLOWING CONFIRMATION PROCEDURES AT NO ADDITIONAL COST TO THE OWNER.

PLUMBING FIXTURE SCHEDULE						
ITEM No.	FIXTURE	TRAP	VENT	COLD WATER	TEMPERED WATER	DESCRIPTION
P-1 ADA	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	FURNISH & INSTALL AMERICAN STANDARD LUCERNE WHITE VITREOUS CHINA WALL HUNG LAVATORY MODEL 0355.012 WITH FRONT OVERFLOW, FAUCET LEDGE, "D" SHAPED BOWL, SELF-DRAINAGE DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS AND BRACKET SUPPORT. RM OF LAVATORY SHALL BE 32" ABOVE FINISHED FLOOR FOR HANDICAPPED ACCESSIBILITY. FURNISH AND INSTALL WITH AMERICAN STANDARD INNSBROOK SELECTRONIC ELECTRONIC PROXIMITY LAVATORY FAUCET MODEL 893.235 BATTERY POWERED FAUCET 0.5 GPM WITH AMERICAN STANDARD MODEL 603TM1070 THERMOSTATIC MIXING VALVE, GRID STRAINER AND "TRUBRO" MODEL 2018-AS-L LAV SHIELD ENCLOSURE. FURNISH AND INSTALL LAVATORY WITH ZURN MODEL Z1231 CONCEALED ARM CARRIES.
P-2 ADA	TOILET & TANK	3"	1-1/2"	1/2"	---	FURNISH & INSTALL THE SANIFLO SANIBEST PRO WHITE VITREOUS CHINA ELONGATED TOILET IS A TWO-PIECE SYSTEM WITH A MACERATOR PUMP. FEATURES BOWL, TYPE: ELONGATED, BOWL HEIGHT: 16.75 INCHES, FLUSH / GPF: SINGLE FLUSH, 1.28 GPF. LINED TANK, YES, SOFT-CLOSE SEAT, YES, MOUNTING: BEHIND THE WALL (WITH EXTENSION PIPE), TRAPWAY: 3 INCHES, PUMP FEATURES: VERTICAL DISCHARGE: UP TO 150 FEET, 1-HP MOTOR 115V, 60HZ POWER SUPPLY, DISCHARGE RATE: 19 GAL/MIN. AT 25 FEET & 38 GAL/MIN AT 3 FEET. INCLUDES ALL NECESSARY MOUNTING HARDWARE.
P-3	WALL HYDRANT	---	---	3/4"	---	FURNISH & INSTALL WATTS NICKEL-PLATED BRASS BODY FROST-PROOF AUTOMATIC DRAINING WALL HYDRANT MODEL FH-1-M1, SIZE-1/4" WITH VACUUM BREAKER, SWEAT CONNECTION & 3/4" HOSE OUTLET.

NOTES: PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING FIXTURES AND ASSOCIATED ACCESSORIES, PIPING, FITTINGS ETC. (LEAD FREE) AS REQUIRED FOR A COMPLETE FUNCTIONAL PLUMBING SYSTEM.

DOMESTIC POINT-OF-USE ELECTRIC HOT WATER HEATER SCHEDULE															
TAG NO.	QUANTITY	LOCATION	MANUFACTURER & MODEL NO.	ELECTRICAL DATA			INLET WATER	MAXIMUM WATER FLOW	MINIMUM PSI	MAXIMUM PSI	WATER CONNECTION	DIMENSIONS			REMARKS
				VOLTS/PHASE	KW	AMPS						HEIGHT	WIDTH	DEPTH	
WH-1	1	LAVATORY	Eemax TANKLESS WATER HEATER MODEL PRD12940	208 VOLT SINGLE PHASE	10.1	49	1.5 GPM @ 50°F	4.8 GPM	25	150	1/2"	12.2"	9.9"	3.4"	ELECTRIC WATER HEATERS TO BE LEAD FREE.



LEGEND	
---	CW - COLD WATER LINE
---	HW - HOT WATER LINE
---	SW - SANITARY WASTE LINE
---	V - VENT LINE
---	TW - TEMPERED WATER LINE
CO	CLEAN OUT
DPCO	DECK PLATE CLEAN OUT
WPCO	WALL PLATE CLEAN OUT
●	BALL VALVE
+	POINT OF CONNECTION

KEY PLAN
 NOT TO SCALE

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 PLUMBING
 FLOOR PLAN & SCHEDULES

DRAWING BY:
 CHECK BY:

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SED No: 66-01-02-06-5-027-001
 DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT
 PROJECT: PHASE 2 - BOND IMPROVEMENTS
 DWG TITLE: PLUMBING FLOOR PLAN & SCHEDULES
 SCALE: AS NOTED
 DATE: JANUARY 2026
 BID PICK-UP:
 FILE No: 23-131K TMB

ELECTRICAL CONSTRUCTION NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC, APPLICABLE LOCAL CODES, STATE CODES, SCHOOL WORKING RULES AND SCHEDULE DIRECTIVES, AND THE ENGINEERS SPECIFICATIONS.
- THE VOLTAGE CHARACTERISTIC OF EXISTING BUILDING IS 208Y/120V, 3-PHASE, 4-WIRE. THE VOLTAGE CHARACTERISTIC OF THE PROPOSED ADDITION SHALL BE 480Y/277V, 3-PHASE 4-WIRE WITH 208/120V DERIVED FROM STEP-DOWN TRANSFORMERS. ALL EQUIPMENT SHALL BE COMPATIBLE WITH THESE CHARACTERISTICS.
- THE DRAWINGS SHOW SCHEMATICALLY THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONDUITS, DEVICES, ETC. THE EXACT LOCATION OF WHICH SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER WHO RESERVES THE RIGHT TO MAKE PRIOR TO INSTALLATION, ANY REASONABLE CHANGES IN LOCATION INDICATED WITHOUT EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL INDICATED OR APPROXIMATED DIMENSIONS DRAWN OR DENOTED.
- DIVISION 16 CONTRACTOR SHALL EXAMINE THE SITE TO VERIFY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN DRAWINGS/SPECIFICATIONS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO ARCHITECT/ENGINEERS ATTENTION BEFORE BID SUBMITTAL.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ALL LABOR SERVICE MATERIALS, EQUIPMENT, AND RELATED ITEMS TO COMPLETE THE WORK OF THIS DIVISION AS REQUIRED BY THE NATIONAL ELECTRIC CODE, AND ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ALL ELECTRICAL HARDWARE SHOWN ON THESE DRAWINGS AND RELATED DETAIL MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED.
- DIVISION 16 CONTRACTOR SHALL PAY ANY FEES APPLICABLE TO ELECTRICAL WORK, SUCH AS, BUT NOT LIMITED TO, THE POWER COMPANY, TELEPHONE COMPANY, CITY, CERTIFIED ELECTRICAL INSPECTORS, ALARM AND FIRE PROTECTION COMPANIES.
- THE DIVISION 16 CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS ELECTRICAL CONTRACTOR (E.C.) WORK.
- ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIVES OF THE SCHOOL DISTRICT BUILDINGS AND GROUNDS DEPARTMENT.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL OBTAIN AN INSPECTION CERTIFICATE AND PAY ASSOCIATED FEE. SUBMIT A PHOTOCOPY OF THIS CERTIFICATE TO THE ENGINEER WITH FINAL PAYMENT APPLICATION.
- DIVISION 16 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND THEIR INSTALLATION TO BE FREE OF DEFECTS FOR A PERIOD AS DEFINED IN SECTION 1700 OF THE PROJECT MANUAL.
- A COMPLETE SYSTEM OF WIRING, WITH ALL FEEDERS, MAINS, AND BRANCHES AS SHOWN ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED FROM THE MAIN DISTRIBUTION BOARD TO THE PANELS, OUTLETS, MOTORS, AND APPURTENANCES.
- PROVIDE IDENTIFICATION FOR ALL PANEL AND MOTOR FEEDER CABLES IN BULL BOXES AND AT TERMINATIONS. ANY CONDUCTOR VOLTAGE HIGHER THAN 240 VOLTS SHALL BE MARKED ON DEVICES AND JUNCTION BOXES.
- FURNISH AND INSTALL ALL WIRING OF ANY VOLTAGE OR PURPOSE AS SHOWN ON THE DRAWINGS.
- ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARING COMMON NEUTRALS AMONG BUNDLED CIRCUITS IS SPECIFICALLY DISALLOWED UNLESS OTHERWISE NOTED.
- PULL/JUNCTION BOXES SHALL BE PROVIDED WHERE INDICATED OR AS OTHERWISE REQUIRED TO FACILITATE THE PROPER INSTALLATION OF WIRES AND CABLES. CONDUITS MAY BE INCREASED IN SIZE FOR CONSTRUCTION CONVENIENCE.
- FURNISH AND INSTALL ALL DISCONNECT DEVICES AND SAFETY SWITCHES AS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED TO CONFORM WITH REQUIREMENTS.
- FURNISH AND INSTALL ALL INDICATED LIGHTING FIXTURES AND ELECTRICAL HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION.
- DIVISION 16 CONTRACTOR SHALL PROVIDE TO SCHOOL 5 PERCENT SPARE LAMPS (MINIMUM QUANTITY 1) OF EACH TYPE SPECIFIED WITH NEW FIXTURES.
- PROVIDE ALL WIRING, PANEL BOARDS, SWITCHES, FUSES, EQUIPMENT, AND ALL INCIDENTAL MATERIALS REQUIRED TO SUPPLY TEMPORARY AND PERMANENT ELECTRICAL NEEDS FOR THE WORK INVOLVED. ALL IN ACCORDANCE WITH OSHA, LOCAL, STATE AND UNDERWRITERS REQUIREMENTS.
- ALL WIRING TO BE 1/2" (20) #12(3)-3/4", OR STEEL JACKETED MC CABLE (WHERE CODE PERMITTED), UNLESS OTHERWISE SPECIFIED ON DRAWINGS. RUN BRANCH CIRCUITS IN DROPPED CEILINGS, VOIDS, & CHASSES. CONDUITS MAY BE SURFACE MOUNTED IN MECHANICAL SPACES UNLESS OTHERWISE NOTED. CONDUITS IN PUBLIC AREAS SHALL BE CONCEALED IN HUNG CEILINGS, EMBEDDED IN SLAB OR MASONRY WALLS, EXCEPT WHERE SURFACE MOUNTED RACEWAY IS SPECIFIED. ALUMINUM JACKETED MC CABLE IS NOT ACCEPTABLE.
- ALL CONNECTIONS AND/OR SPLICES SHALL BE MADE ONLY IN ACCESSIBLE JUNCTION BOXES.
- ALL COUPLINGS AND CONNECTORS FOR USE WITH EMT SHALL BE COMPRESSION TYPE. SET SCREW TYPE OR INDENT TYPE FITTINGS WILL NOT BE ACCEPTED.
- ALL CONNECTIONS TO CONDUIT RUN UNDERGROUND SHALL BE MADE WEATHERTIGHT. ALL METALLIC CONDUIT INSTALLED IN EARTH SHALL AS WELL AS UNDERGROUND, SHALL BE PAINTED WITH COATS OF ASPHALTUM PAINT OR EQUAL.
- WIRING INSTALLED IN CEILINGS SHALL BE HUNG INDEPENDENT OF CEILING SYSTEM AND SECURELY TIED TO BUILDING STEEL.
- ALL LOW VOLTAGE (FIRE ALARM, PA INTERCOM, PHONE, DATA, ETC.) WIRING INSTALLED IN OPEN AREAS SHALL BE IN METALLIC RACEWAY IN MECHANICAL AREAS, OUNDRY ROOMS, ATT ROOMS, STORAGE AREAS, ETC., AND IN SURFACE MOUNTED RACEWAY IN PUBLIC AREAS. LOW VOLTAGE WIRE INSTALLED IN DROPPED CEILINGS SHALL BE BUNDLED TOGETHER AND SUPPORTED BY BUILDING STEEL.
- LOW VOLTAGE WIRE SHALL NOT BE SUPPORTED WITH BRANCH CIRCUITS OR FEEDER CIRCUITS AND SHALL NOT BE SUPPORTED BY CONDUIT, PIPES, ETC. LOW VOLTAGE WIRING NOT INSTALLED IN CONDUITS SHALL BE PLENUM RATED.
- CONDUITS SHALL BE SECURED IN PLACE AND PROTECTED WHERE NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION.
- FURNISH AND INSTALL ALL INDICATED HARDWARE TO PROPERLY SUPPORT ALL CONDUITS NOT INSTALLED IN CONCRETE SLABS OR UNDERGROUND.
- ALL CONDUITS OR MC CABLE SHALL BE EQUIPPED WITH AN INSULATING/GHAFE GUARD GROMMET AT WIRE EXIT/ENTRANCE. MC CABLE SHALL USE MC STYLE BUSHINGS, BX OR OTHER BUSHINGS ARE SPECIFICALLY DISALLOWED.
- WHERE AN EXISTING CONDUIT OR CABLE IS REQUIRED TO BE REMOVED BUT SERVICES AND EXISTING PIECE OF EQUIPMENT WHICH IS TO REMAIN OPERABLE, THE DIVISION 16 CONTRACTOR SHALL REROUTE SAID CONDUIT OR CABLE OR PROVIDE A NEW SOURCE OF POWER (APPROVED BY ENGINEERING) TO THIS EQUIPMENT AS A PART OF THIS CONTRACT.
- ALL PANELS, SWITCHES, DISCONNECT STARTERS, OR OTHER ELECTRIC SYSTEM CONTROLS SHALL BE STENCILED WITH THEIR APPROPRIATE DESIGNATION/FUNCTION. ALL CIRCUIT BREAKERS SHALL BE IDENTIFIED BY A PANEL SCHEDULE OR STENCIL ADJACENT TO THE CIRCUIT BREAKER.
- ALL CIRCUIT BREAKERS POSITIONS IN ALL PANELS ARE SHOWN FOR ESTIMATE PURPOSES ONLY. EC IS RESPONSIBLE FOR LOAD BALANCING.
- ALL DEVICES SHALL BE FASTENED IN PLACE SECURELY. GRID MOUNTING LIGHTING FIXTURES SHALL BE SECURED TO GRID WITH CLIPS LISTED FOR THE PURPOSE OR SUSPENDED FROM STRUCTURE PER NEC.
- WORK WHICH MUST BE DONE IN OCCUPIED AREAS SHALL BE DONE AT SUCH TIMES AS INDICATED IN THE PHASING OF CONSTRUCTION AND AS APPROVED BY THE SCHOOL.
- WHERE THE DIVISION 16 CONTRACTOR IS INSTRUCTED TO PROVIDE, INSTALL AND WIRE CIRCUIT BREAKERS TO AN EXISTING PANEL AND THAT PANEL DOES NOT HAVE THE ROOM TO INSTALL REQUIRED CIRCUIT BREAKERS, THE DIVISION 16 CONTRACTOR SHALL REMOVE AN ADJACENT 1P CIRCUIT BREAKERS AND PROVIDE A 3P, 80A BREAKER IN THEIR PLACE FOR SUB FEED TO A SURFACE MOUNTED 100A 3-WAY POLE SUB PANEL AND ESTABLISH OVER-CURRENT CIRCUITS IN NEW SUB-PANEL, EACH WITH REQUIRED CIRCUIT BREAKERS. PROVIDE (3) 1P, AMPERAGE AS BEFORE CIRCUIT BREAKERS FOR DISCONNECTED CIRCUITS IN MAIN PANEL, AND RECONNECT THEM IN SUB-PANEL. SUB-PANEL FEED TO BE 3Ø+1ØR+N+1ØG+1ØC.
- SELECTED RECEPTACLES AS SHOWN ON DRAWINGS MAY BE GFCI PROTECTED BY CONNECTING TO GFCI RECEPTACLE FIRST IN CIRCUIT. ALL RECEPTACLES THAT ARE PROTECTED FROM AN UPSTREAM GFCI UNIT SHALL BE VISIBLY LABELED AS SUCH. GFCI RECEPTACLE SHALL BE SPEC GRADE AND RATED 20A, WITH OPERATING NOTIFICATION INDICATING LIGHT.
- ALL DEVICES ADDRESSED BY ADA REGULATIONS SHALL BE INSTALLED AT ADA COMPLIANT HEIGHT AND LOCATIONS.
- ALL NEW LIGHTING OR EXISTING LIGHTING HAVING SWITCHING REARRANGEMENT SHALL BE EQUIPPED WITH CODE COMPLIANT ENERGY CONSERVATION CONTROLS. SUCH CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- REMOVAL OF ELECTRICAL ITEMS INCLUDING THEIR DISPOSAL, THE EXCEPTION WILL BE TO TURN OVER TO THE OWNER ITEMS, IF ANY, THEY SPECIFY TO BE RETAINED IN THEIR INVENTORY. PCB OR ASBESTOS BEARING MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH LAWS AND REGULATIONS.
- EC SHALL PROVIDE & WIRE WEATHERPROOF GFCI RECEPTACLES ON ALL APPLICABLE ROOFTOP UNITS AS PART OF HIS BID. SEE MECHANICAL EQUIPMENT SCHEDULES FOR UNITS WITH SERVICE RECEPTACLES FACTORY INSTALLED.
- UNLESS OTHERWISE NOTED, STARTERS AND DISCONNECTS FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL POWERED MECHANICAL EQUIPMENT. THE DIVISION 16 CONTRACTOR IS RESPONSIBLE TO INSTALL ALL MOTOR STARTERS AND ASSOCIATED POWER WIRING FROM SOURCE TO UNIT VIA STARTERS AND DISCONNECTS. THE LOCATIONS OF MOTOR STARTERS SHALL BE DETERMINED BY THE MECHANICAL CONTRACTOR IN THE FIELD AND SUBMITTED TO THE ENGINEER FOR APPROVAL UNLESS IT IS SPECIFIED ON THE DRAWINGS. THE DIVISION 16 CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS, EQUIPMENT SCHEDULES & NOTES AND INCLUDE IN HIS BID PRICE ALL ELECTRICAL WORK ASSOCIATED WITH THEIR INSTALLATION, AND THE REMOVAL OR ANY STARTERS/DISCONNECTS NO LONGER REQUIRED.
- DUCT SMOKE DETECTORS SHALL BE FURNISHED BY THE DIVISION 16 CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.

DEMOLITION NOTES:

- THE ITEMS SPECIFICALLY SHOWN ON DEMOLITION DRAWINGS ARE TO BE ADDRESSED BY THE ELECTRICAL CONTRACTOR. THE ITEMS ARE TO BE TREATED AS NOTED AND RANGE FROM DIRECT REMOVAL AND DISPOSAL, OR REMOVAL, STORAGE, AND REINSTALLATION/RELOCATION, OR TEMPORARY REMOVAL/STORAGE, AND REINSTALLATION IN SAME LOCATION.
- MANY OTHER ELECTRICAL ITEMS EXIST THAT ARE NOT SHOWN INCLUDE, BUT ARE NOT LIMITED TO, SWITCHES, RECEPTACLE, FLOOR OUTLETS, LOW VOLTAGE JACKS, LOW VOLTAGE DEVICES AND WIRING, TELEPHONE PULL BOXES, AND JOUT OF SERVICE ITEMS. ALL SUCH ITEMS SHALL BE PERMANENTLY DE-ENERGIZED, DISCONNECTED, AND OTHERWISE MADE SAFE FOR DEMOLITION BY NON-ELECTRIC DEMOLITION WORKERS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL ELECTRICAL DEVICES OF ANY VOLTAGE OR FUNCTION THAT ARE TO BE DEMOLISHED ARE SAFE AND ADVISE THE DEMOLITION CONTRACTOR WHEN THIS IS SO.
- AFTER THE ELECTRICAL CONTRACTOR HAS DISCONNECTED ELECTRICAL SUPPLIES TO ITEMS TO BE DEMOLISHED, HE SHALL ADVISE THE GENERAL CONTRACTOR OF ANY ELECTRICAL ITEMS TO BE RETAINED FOR FUTURE USE AND THEREFOR NOT TO BE DEMOLISHED. THE GENERAL CONTRACTOR SHALL THEN PERFORM ALL WORK ZONE DEMOLITION. THIS MATTER APPLIES TO ALL ELECTRICAL ITEMS, AND ANY VOLTAGE OR PURPOSE.
- THE SPECIAL/SPECIFIC ITEMS SHOWN ON THE DRAWING FOR ELECTRICAL CONTRACTOR TO ACT ON WERE FOUND BY SURVEY. NUMEROUS LOCATIONS WERE BLOCKED BY FURNITURE, ETC. AND ADDITIONAL EQUAL TYPE ITEMS MAY BE PRESENT. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR THIS IN HIS BID PRICE AND ATTEND TO THOSE EQUAL OR SIMILAR DEVICES AS MAY BE DISCOVERED.
- REMOVAL ITEMS THAT ARE LISTED AS TO BE TURNED OVER TO OWNER'S INVENTORY SHALL BE DISCUSSED WITH THE DISTRICT BUILDINGS AND GROUNDS MANAGER. THOSE ITEMS THAT THE OWNER DECLINES SHALL THEN BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER OF OTHER PERMANENT REMOVALS. ANY PCB BEARING FLUORESCENT FIXTURES SHALL BE DISPOSED OF PER REGULATIONS.
- RETAIN EXISTING RECEPTACLES IN WALLS THAT WILL NOT BE IN CONFLICT WITH NEW CONSTRUCTION. RETAIN LIGHT SWITCH LOCATIONS THAT WILL NOT BE IN CONFLICT WITH NEW CONSTRUCTION. INSTALL BLANKING PLATE COVERS OVER THE UNUSED PORTION OF GANG BOXES HAVING MORE GANG POSITIONS THAN NEEDED FOR NEW SWITCHES.
- LIGHT FIXTURES ARE TO BE REMOVED AS GENERAL, NON-ELECTRIC, CONTRACTOR DEMOLITION. DIVISION 16 CONTRACTOR IS RESPONSIBLE TO SAFE OFF LIGHTING CIRCUITS FOR REMOVAL BY OTHERS. NO SPECIFIC QUANTITIES OR LOCATIONS ARE SHOWN. RETURN WHATEVER QUANTITY, IF ANY, OF THESE TO OWNERS INVENTORY IF THE SO SPECIFIES OR THEY ARE OTHERWISE TO BE DISPOSED OF. ELECTRICAL CONTRACTOR SHALL EXAMINE FIXTURES FOR PRESENCE OF PCB'S AND SPECIAL DISPOSAL.
- THE ELECTRICAL CONTRACTOR SHALL COVER ALL BACK BOXES IN THE WALL THAT BECOME EXPOSED DUE TO DEVICE REMOVALS. THIS INSTRUCTION ALSO APPLIES TO EXPOSED ELECTRICAL BACK BOXES AS MAY EXIST AT THE SITE PRIOR TO THIS PROJECT. THE COVER SHALL BE BRUSHED ALUMINUM WITH CHAMFERED EDGES AND COVER THE HOLE COMPLETELY WITH AT LEAST 3/4" EXTRA MARGIN ON ALL SIDES. MOUNT THE COVER WITH SCREWS TO MATCH THE ORIGINAL PATTERN.
- IF IT IS EXPECTED THAT STRUCTURAL DEMOLITION BY THE GENERAL CONTRACTOR WILL CAUSE VARIOUS ELECTRIC SUPPLIES, OF VARIOUS VOLTAGES AND PURPOSES, TO BE CUT AND RENDER SOME DEVICES TEMPORARILY INACTIVE, IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECONSTRUCT AND RECONNECT SUCH ELECTRIC SOURCES WHEN THE NEW STRUCTURE IS BUILT. NOTE THAT MOST REINSTALLED ITEMS WILL BE DIFFERENT LOCATIONS FROM THE REMOVAL LOCATION. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED CIRCUIT EXTENSIONS OR MODIFICATIONS TO RESTORE SERVICE TO A REINSTALLED ITEM AS RELOCATED. PROVIDE ALL REQUIRED CIRCUIT EXTENSIONS AS REQUIRED TO RESTORE SERVICE TO DEVICES. NOTE THAT THIS REQUIREMENT ALSO APPLIES TO THE ROOMS AND ELECTRICAL ITEMS WITHIN THAT ARE NOMINALLY NOT IN CONTRACT. SUCH RESTORATION OF SERVICE, IF NEEDED, IS SPECIFICALLY IN THE ELECTRICAL CONTRACTOR'S CONTRACT.
- IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL ELECTRICAL DEVICES, FROM DAMAGES DURING CONSTRUCTION, WHICH ARE EITHER INDICATED TO REMAIN, AND/OR TO BE REMOVED AND REINSTALLED THROUGHOUT ALL CONSTRUCTION AREAS. DEVICES SHALL INCLUDE BUT WILL NOT BE LIMITED TO: SMOKE DETECTORS, EMERGENCY LIGHTS, EXIT SIGNS, OCCUPANCY SENSORS, SPEAKERS, LIGHT FIXTURES, CONNECTORS, ETC. SHALL BE REMOVED FROM OWNERS' INCURRED DUE TO CONSTRUCTION ACTIVITIES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED DEVICES AT NO ADDITIONAL COST TO OWNER.
- ALL SYSTEM ASSOCIATED WITH THE DEVICES SO REQUIRED TO BE REMOVED, STORED AND PROTECTED SHALL BE TESTED BY THE MANUFACTURER'S CERTIFIED TESTING VENDOR PRIOR TO ANY DEMOLITION ACTIVITY. ANY DEVICE WHICH FAILS THE TEST SHALL BE REPLACED WITH A FORM, FIT AND FUNCTION COMPONENT PER UNIT PRICES, AND SUCH DEVICES ARE NOT INCLUDED IN THIS RESPONSIBILITY STATEMENT. BUT ALSO SUCH INSTALLATION SHALL BE IN THE ELECTRICAL CONTRACTOR'S BASE BID. THE ELECTRICAL CONTRACTOR SHALL RE-TEST ALL SUCH SYSTEM COMPONENTS BY A MANUFACTURER CERTIFIED TESTING VENDOR OF SUCH SYSTEM OF ALL PREVIOUSLY TESTED SYSTEM COMPONENTS AFTER ALL WORK BY ALL TRADES HAS BEEN COMPLETED, AND ALL SYSTEM COMPONENTS HAVE BEEN INSTALLED. ANY COMPONENT WHICH FAILS SHALL BE REPLACED AND PROGRAMMED IF NECESSARY BY THE ELECTRICAL CONTRACTOR. ALL SUCH REPLACEMENT AND PROGRAMMING COSTS SHALL BE ELECTRICAL CONTRACTOR'S RESPONSIBILITY. ALL COSTS ASSOCIATED WITH THE TESTING OF AFFECTED SYSTEM SUCH AS BUT NOT LIMITED TO FIRE ALARM, PUBLIC ADDRESS, INTERCOM, TELEPHONE, AND SECURITY SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL EQUIPMENT, DEVICES, WIRING AND THEIR ASSOCIATED MATERIAL SPECIFIED TO REMAIN, WHICH IS NOT STORED OR PROTECTED, SHALL BE PROTECTED DURING THE DEMOLITION ACTIVITIES, AND ALL TRADES SHALL BE INFORMED OF SUCH COMPONENTS. ANY OF SUCH COMPONENTS WHICH BECOME DAMAGED DURING DEMOLITION SHALL BE REPLACED FORM, FIT AND FUNCTION BY THE ELECTRICAL CONTRACTOR AT HIS EXPENSE.

FIRE STOP NOTES:

- ALL CONDUIT AND CABLE PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED.
- THE FIRE STOP MATERIALS SHALL BE HLTI TYPE FS-67 FIRE BLOCK, FS-ONE SEALANT, CP-47 JOINT SPRAY, CP-4015 ELASTOMERIC SEALANT, BP-606 FLEXIBLE SEALANT, CP-643 OR CP-642 COLLAR, CP-643 PUTTY STICK, OR FS-635 TROVEAL ABLE COMPOUND, AS SUITABLE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS SPECIFIED OR EQUAL.
- FIRE STOP MATERIALS OTHER THAN HLTI SHALL INCLUDE FULL TECHNICAL DATA WITH SHEET DRAWINGS TO DEMONSTRATE QUALITY WITH THE SPECIFIED FIRE STOPS AND STATEMENT FROM MANUFACTURER THAT THEY MEET OR EXCEED THE PRODUCTS SPECIFIED HERE.
- ALL SYSTEMS SHALL HAVE THEIR OWN SLEEVE THROUGH FIRE RATED WALLS. IE FIRE ALARM, PUBLIC ADDRESS, TELEPHONE, DATA, POWER AND LIGHTING.

ABBREVIATIONS

E, EX	EXISTING
ETR	EXISTING TO REMAIN
PSEGL	PSE&G LONG ISLAND (UTILITY CO.)
S.M, S.M	SURFACE MOUNTED
U.O.N.	UNLESS OTHERWISE NOTED
EC, E.C.	ELECTRICAL CONTRACTOR
GC, G.C.	GENERAL CONTRACTOR
M.C., M.C.	MECHANICAL CONTRACTOR
PC, P.C.	PLUMBING CONTRACTOR
TRP	TYPICAL
REQD	REQUIRED
O.C.D.	ON CENTER
OKT	CIRCUIT
AF	AWAY FROM FLOOR
CB	CIRCUIT BREAKER
REC.	RECEPTACLE
ACT	ABOVE COUNTERTOP

LINE DESIGNATIONS

—	EXISTING TO REMAIN DEVICES
—○	DEVICES TO BE REMOVED. PULL BACK ALL ASSOCIATED CONDUIT AND WIRING AND REMOVE UNLESS OTHERWISE NOTED ON THE PLANS.
—○	NEW DEVICES
—○	CONDUIT DOWN
—○	CONDUIT UP

FIRE ALARM SYSTEM LEGEND

SYMBOL	DEVICE DESCRIPTION
[FACP]	FIRE ALARM CONTROL PANEL
[RAP]	REMOTE ANNUNCIATOR PANEL OR EQUAL. E.C. TO PROVIDE FRAMED BLDG GRAPHIC MAP WITHIN SIGHT
[FSD]	FIRE ALARM SHUT DOWN
[S _d]	SMOKE DETECTOR W/ BASE. "E" DESIGNATES ELEVATOR RECALL
[C] OR [C]	CARBON MONOXIDE DETECTOR WITH SOUNDER BASE. CONNECTION TO ASSOCIATED UNIT WITH SOUNDER BASE FOR SIMULTANEOUS LOCAL ALARM
[P]	MANUAL PULL STATION. PROVIDE WITH NON-ALARMED 51 STOPPER I/RT COVER (OR SIMILAR)
○	DUCT TYPE SMOKE DETECTOR W/ HOUSING AND REMOTE LED INDICATOR
⊠	SPEAKER NOTIFICATION DEVICE - WALL MOUNT.
⊠	SPEAKER/STROBE NOTIFICATION DEVICE - WALL MOUNT.
▽	SPEAKER NOTIFICATION DEVICE - CEILING MOUNT.
⊠	SPEAKER/STROBE NOTIFICATION DEVICE - CEILING MOUNT.
⊠	STROBE NOTIFICATION DEVICE. CEILING MOUNTED.
⊠	HORN/STROBE NOTIFICATION DEVICE
[M]	24V ELECTROMAGNETIC DOOR HOLDER - GC FURNISH & MOUNT. EC TO WIRE. REFER TO FIRE ALARM DEVICE NOTES ON E01.01 FOR ADDITIONAL INFORMATION
○	EXISTING FIRE ALARM BELL TO BE REMOVED. INSTALL BLANK COVER PLATE.
○	FIRE ALARM RELAY
⊠	EXISTING BATTERY OPERATED CO DETECTOR TO REMAIN UNLESS OTHERWISE NOTED
[AHR]	AIR HANDLING UNIT. REFER TO MECHANICAL DWG. FOR ADDITIONAL INFORMATION
[R]	WATERFLOW SWITCH FOR NEW SPRINKLER SYSTEM (BY FIRE SPRINKLER CONTRACTOR)
[T]	TAMPER SWITCH FOR NEW SPRINKLER SYSTEM (BY FIRE SPRINKLER CONTRACTOR)
[NSL]	ANSUL SYSTEM
[RC]	FIRE ALARM - BEAM DETECTOR RECEIVER
[SP]	FIRE ALARM - BEAM DETECTOR TRANSMITTER
S.W.G.	STEEL WIRE GUARD.
W.P.	WEATHER PROOF.
W.M	WALL MOUNT.
[E]	EXISTING TO REMAIN
[ACR]	AREA OF RESCUE
ADR-PS	AREA OF RESCUE POWER SUPPLY
ADR-MCP	AREA OF RESCUE MAIN CONTROL PANEL.

MISCELLANEOUS

SYMBOL	DESCRIPTION
[S]	CEILING MOUNTED PUBLIC ADDRESS SPEAKER
[S]-H	WALL MOUNTED PUBLIC ADDRESS SPEAKER
[V]	HORN LOUDSPEAKER SUBSCRIPT 'VP' INDICATES OUTDOOR WEATHERPROOF HORN SPEAKER
[VC]	WALL MOUNTED VOLUME CONTROL FOR LOCAL PUBLIC ADDRESS SPEAKER
[C]-S	WIRELESS CLOCK AND CLOCK-SPEAKER COMBINATION
[WS]	LIGHTING CONTROLS WALL STATION

ITEMS IN ABOVE LEGENDS MARKED WITH SUBSCRIPTS ON THE PLANS ARE DENOTED AS FOLLOWS:
 (E) - EXISTING ITEM TO REMAIN
 (RL) - EXISTING ITEM TO BE RE-INSTALLED AND RELOCATED
 (RR) - REMOVE AND RE-INSTALL TO ACCOMMODATE NEW CONSTRUCTION
 NO SUBSCRIPT - NEW ITEM TO BE FURNISHED AND INSTALLED

ELECTRICAL SYMBOL LEGEND

	SINGLE POLE CIRCUIT #2-#12, 120V, 1Ø UNLESS OTHERWISE NOTED
	TWO POLE CIRCUIT 3-#12, #12G, 1Ø UNLESS OTHERWISE NOTED
	THREE POLE CIRCUIT #4#12, #12G, 1Ø UNLESS OTHERWISE NOTED
	SINGLE RECEPTACLE, NEMA 5-20R W/ STAINLESS STEEL FACEPLATE
	GROUND FAULT CIRCUIT INTERRUPTER 20A, 125V SINGLE RECEPTACLE WITH STAINLESS STEEL FACEPLATE FOR KITCHEN EQUIPMENT.
	DUPLEX RECEPTACLE, 120V, 20A W/ STAINLESS STEEL FACEPLATE. M DESIGNATES TEACHING MONITOR RECEPTACLE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL PLANS FOR KITCHEN EQUIPMENT.
	DUPLEX RECEPTACLE, 120V, 20A W/ STAINLESS STEEL FACEPLATE. M DESIGNATES TEACHING MONITOR RECEPTACLE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL PLANS FOR MECHANICAL SPACES, BOILER ROOM, CORRIDORS, OUTDOORS, ETC. 'W.P.' ANNUNCIATION - IN RAINPROOF & IN-USE COVER
	GROUND FAULT CIRCUIT INTERRUPTER 20A, 125V DUPLEX RECEPTACLE WITH STAINLESS STEEL 302/304 FACEPLATE OR EQUAL
	GROUND FAULT CIRCUIT INTERRUPTER 20A, 125V QUADRUPLX RECEPTACLE 2 GANG WITH STAINLESS STEEL 302/304 FACEPLATE OR EQUAL
	30A-TWISTLOCK RECEPTACLE. SPECIAL VOLTAGE & PHASE PER LABEL
	SINGLE, DUPLEX, QUADRUPLX RECEPTACLE MOUNTED IN SERVICE PEDESTAL BOX, HUBBEL #546865 OR #46687, #513 OR #523 BLANK PLATE IN REAR AND PLATE
	DUPLEX RECEPTACLE WITH USB PORTS, 120V, 20A WITH STAINLESS S
	STUB-UP CONDUIT FROM THE FLOOR
	MOTOR, NO INDICATES HORSEPOWER. "D" INDICATES MOTORIZED DAMPER
	UNFUSED DISCONNECT SWITCH, SIZE PER PLAN
	FUSED DISCONNECT SWITCH, SIZE AND FUSE PER PLAN
	TRANSFORMER, VOLTAGE, PHASE, KVA PER PLAN
	PANEL BOARD, MOUNTING PER SCHEDULE
	JUNCTION BOX, CLG MOUNT, WALL MOUNT
[RPC1-1]	PANEL 'RPC1' - POLE POSITION '1'
[SC211-1]	CONTRACTOR 'SC211' - CONTACT '1'
	POWER ONLY DUPLEX FLOOR BOX CAST IRON WHEN INSTALLED IN CONC. SLAB. COVER COLOR AND TYPE AS APPROVED BY ARCHITECT
	POWER ONLY DUPLEX RECEPTACLE MOUNTED ABOVE CEILING LOCATION FOR LIGHTING CONTROLLER
	POWER ONLY DUPLEX FLOOR BOX CAST IRON WHEN INSTALLED IN CONC. SLAB. COVER COLOR AND TYPE AS APPROVED BY ARCHITECT
	POWERDATA COMBO BOX. REFER TO ELECTRICAL DRAWINGS
	WALL SWITCH W/ STAINLESS STEEL FACEPLATE FACEPLATE LOWER CASE ALPHA SUPERSCRIPTR - CONTROL'S CORRESPONDINGLY LABELED FIXTURES IN ROOM SUBSCRIPTS
	1 = SINGLE POLE 20A, HEAVY DUTY SPEC GRADE SWITCH, MCS- MASTER CONTROL, SWITCH, ASCO 21688B, BY PLUMBING CONTRACTOR K = KEY SWITCH 3 = 3ØA THREE WAY SWITCH 4 = 2ØA FOUR WAY SWITCH D = WALL BOX SLIDE DIMMER COMPATIBLE W/ FIXTURE DIMMING BALLAST DIG = DIGITAL SWITCH, # = INDICATES NUMBER OF BUTTONS OS = DUAL TECH WALL SWITCH VACANCY OR OCCUPANCY SENSOR - M= MOMENTARY CONTACT SWITCH - MODEL # GMS-W OR EQUAL WS = PRESET WALL STATION
	LIGHTING CONTROL WALL STATION. # INDICATES LIGHTING SEQUENCE TYPE. REFER TO SEQUENCE OF OPERATION IN LIGHTING PLANS FOR NUMBER OF BUTTONS AND SEQUENCE.
	CEILING MOUNTED OCCUPANCY (OS/VACANCY) SENSOR. LOW VOLTAGE, DUAL TECHNOLOGY, COMPLETE W/ POWER PACK(S) AS REQUIRED. EATON GREENGATE OAC-DT-2000R OR EQUAL
	DAYLIGHT SENSOR PHOTOCELL - COMPATIBLE W/ ROOM CONTROLS
[RC]	ROOM CONTROLLER, EATON SERIES OR EQUAL. MOUNT ABOVE CLG UNLESS OTHERWISE NOTED.
[SP]	SWITCHPACK MOUNT ABOVE CLG UNLESS OTHERWISE NOTED
[PW]	POWERPACK MOUNT ABOVE CLG UNLESS OTHERWISE NOTED
[WSP]	WIRELESS RELAY SWITCHPACK, MOUNT ABOVE CEILING. 0-10V DIMMING, 20A LOAD, 120/277V
[WAG]	WIRELESS WAVELENGTH CONTROLLER OR APPROVED EQUAL.
[LPA-1-G-a]	FOR LIGHTING FIXTURES - INDICATES PANELBOARD 'LPA' POLE POSITION '1', FIXTURE TYPE 'G' CONTROLLED BY SWITCH '1' 'E' CIRCUIT DESIGNATION INDICATES CONNECTION TO EXISTING ROOM LIGHTING CIRCUIT. INCLUDES ANY NECESSARY WIRING EXTENSIONS. 'NL' NIGHT LIGHT DESIGNATION INDICATED FIXTURES TO BE UNSWITCHED AND CIRCUITED AHEAD OF ALL SWITCHING DEVICES.
	EMERGENCY SHUT-OFF MURRHORN TYPE PUSH BUTTON 'G'-GAS SHUTOFF. PC TO FURNISH EC TO WIRE. REFER TO PLUMBING DRAWINGS 'W'-WATER SHUTOFF. PC TO FURNISH EC TO WIRE. REFER TO PLUMBING DRAWINGS 'E'-ELECTRICAL SHUTOFF 'H'-MOTORIZED HOIST SHUTOFF SUBSCRIPT 'R' INCLUDES KEY RESET
[GRP]	GAS SYSTEM SHUTOFF RELAY PANEL - PC FURNISH AND INSTALL, EC TO WIRE. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFO AND LOCATIONS
[WAP]	WIRELESS ACCESS POINT (WAP)
	DATA RECEPTACLE. PROVIDE TWO (2) CAT5 DATA CABLES UNLESS NOTED OTHERWISE WITH A 1" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING SPACE. # DENOTES NUMBER OF CABLES TO BE PROVIDED.
	DATA & POWER SURFACE RACEWAY DROP - NUMBER OF TRIANGLES INDICATES NUMBER OF DATA DROPS - PROVIDE (2) DUPLEX RECEPTACLES PER DATA DROP. SEE ALSO TECH. PLANS.
	ELECTRONIC SMARTBOARD - REFER TO TECH. DRAWINGS FOR DETAILS
	NEW POWER & DATA FLOOR BOX, CAST IRON WHEN INSTALLED IN CONC. SLAB (2) DUPLEX RECEPTACLES PER DATA JACK. '1' SEE E0.1X, E10.1X FOR DETAILS
	EXISTING PROJECTOR TO BE REMOVED AND RE-INSTALLED UPON CONSTRUCTION COMPLETION
[FSD]	FIRE/SMOKE DAMPER - FURNISHED AND INSTALLED BY MC, EC TO WIRE. SEE MECH DRAWINGS FOR EXACT LOCATIONS.
	DATA & POWER RECESSED WALL BOX - NUMBER OF TRIANGLES INDICATES NUMBER OF DATA DROPS. SEE ALSO TECH. PLANS.
	DATA FLOOR BOX. SEE TECH PLANS FOR ADDITIONAL INFO.
	GAS SYSTEM TEACHER EMERGENCY SHUT AND KEY RESET PC TO FURNISH EC TO WIRE AND INSTALL. REFER TO PLUMBING DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION

SIMILAR SYMBOLS USED ON DEMO PLANS. ALL ITEMS SHOWN ON DEMO PLAN TO BE REMOVED ENTIRELY UNLESS OTHERWISE NOTED.

REV.	DATE	ITEM

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PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

DRAWING BY: EEA

CHECKED BY: EEA

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SED No. 66-01-02-06-5-027-001

DISTRICT BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING

DWG TITLE GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

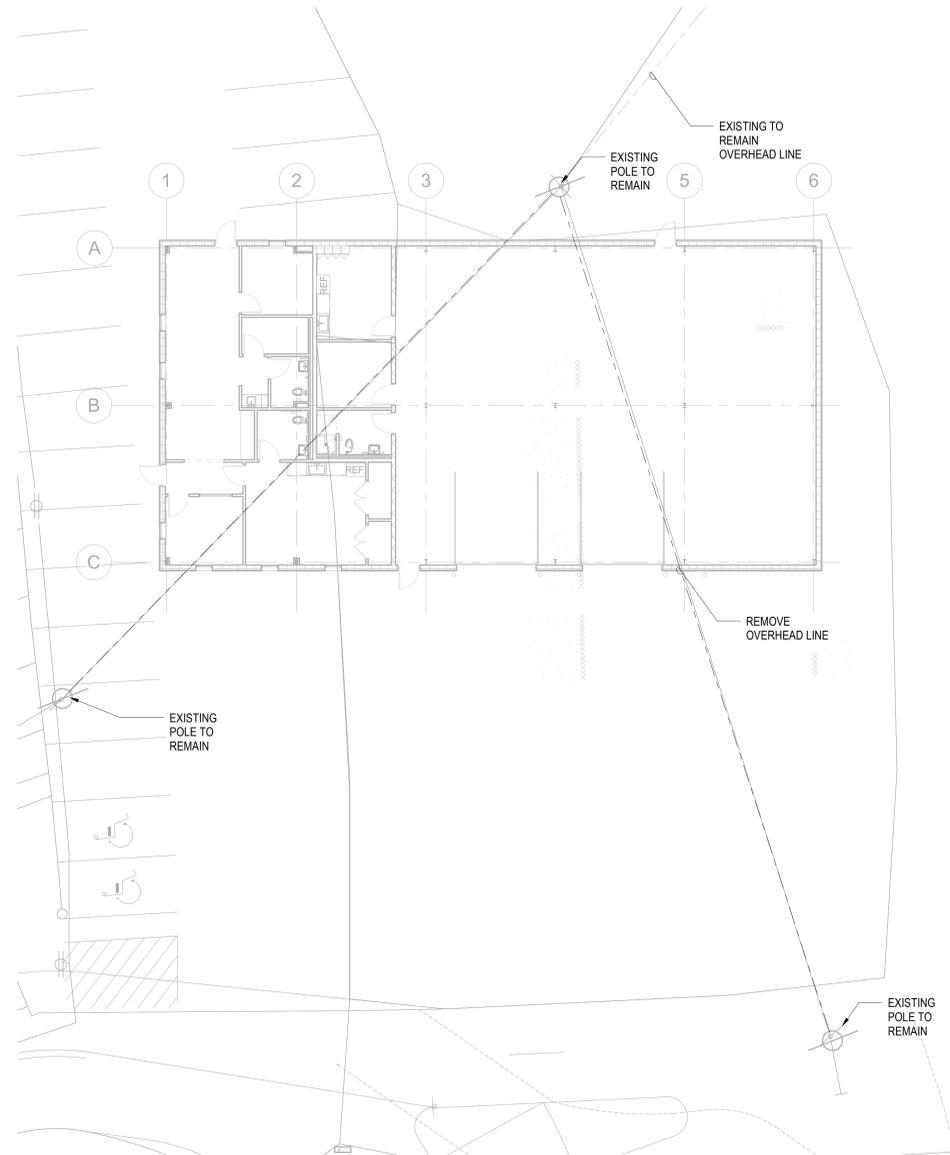
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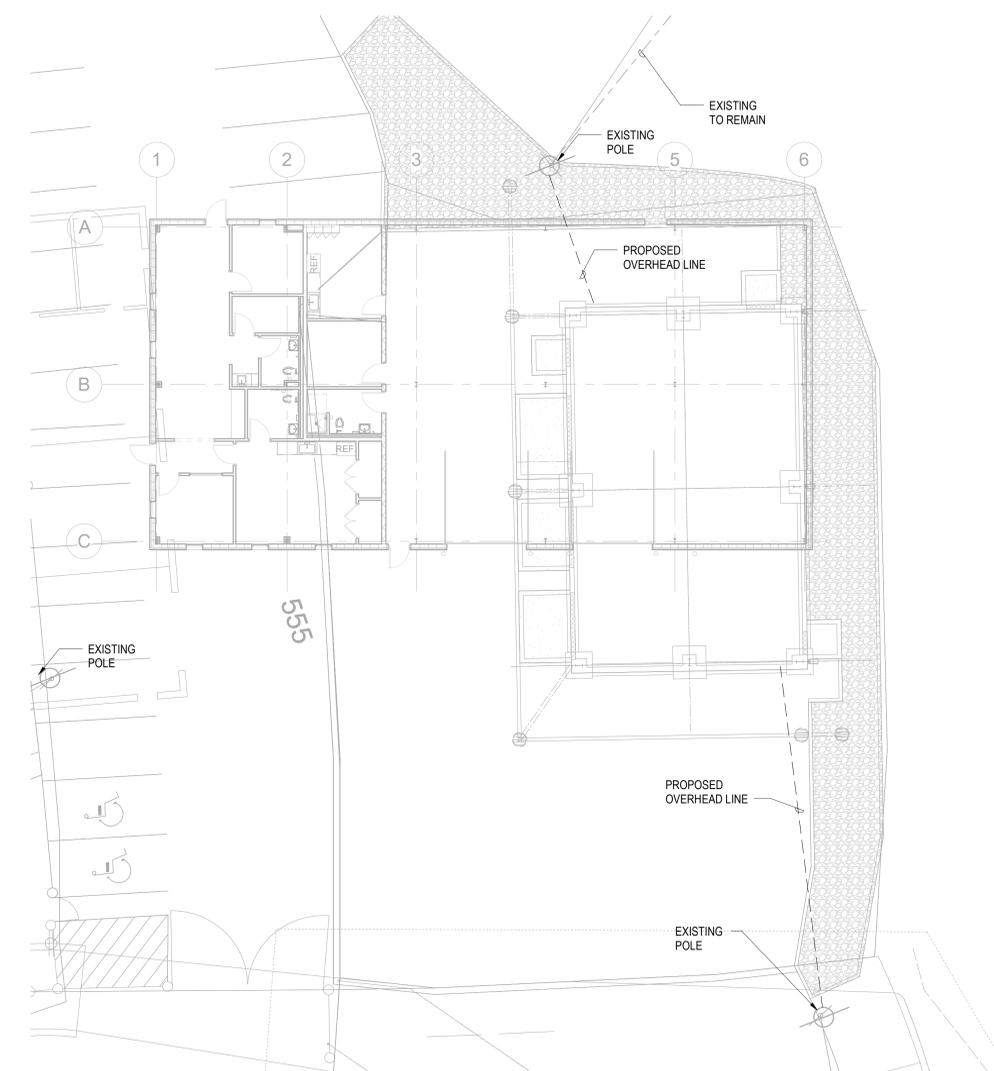
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FILE No. 23-131K TMB

MB - E0.01



1 SITE PLAN - DEMO
SCALE: 3/32" = 1'-0"



2 PROPOSED SITE PLAN
SCALE: 3/32" = 1'-0"

REV.	DATE	ITEM

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PROJECT
BEDFORD CENTRAL SCHOOL DISTRICT
PHASE 2 - BOND IMPROVEMENTS
TRANSPORTATION / MAINTENANCE BUILDING
BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
ELECTRICAL SITE PLAN - DEMOLITION

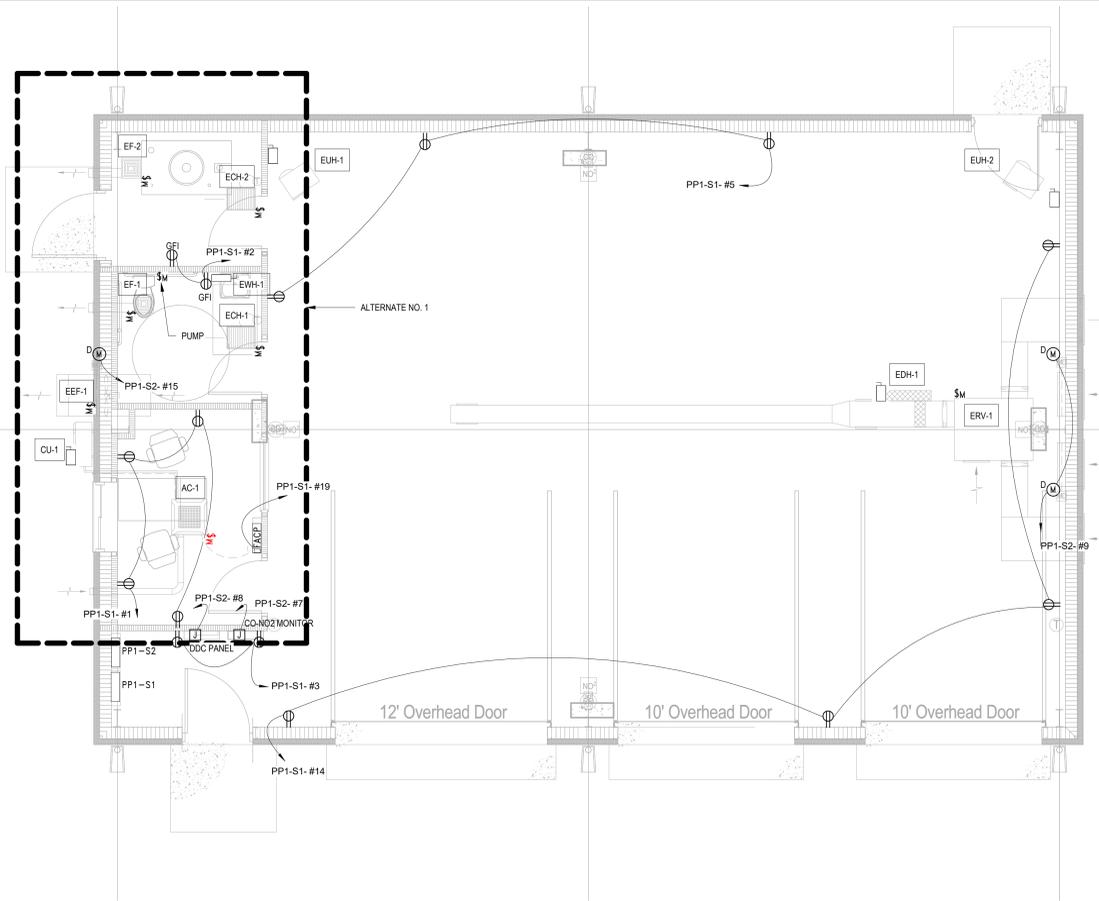
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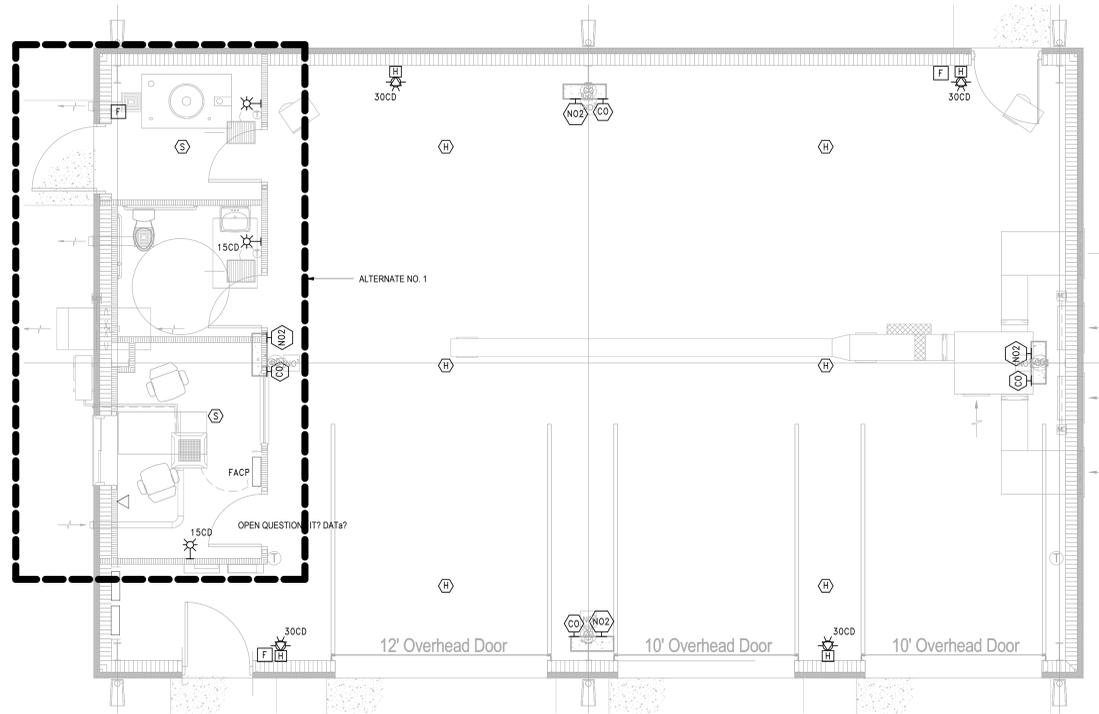
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SED No. 66-01-02-06-5-027-001
DISTRICT BEDFORD CENTRAL SCHOOL DISTRICT
PROJECT PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING
DWG TITLE ELECTRICAL SITE PLAN - DEMOLITION
SCALE: AS NOTED
DATE: JANUARY 2026
BID PICK UP:
FILE No. 23-131K TMB

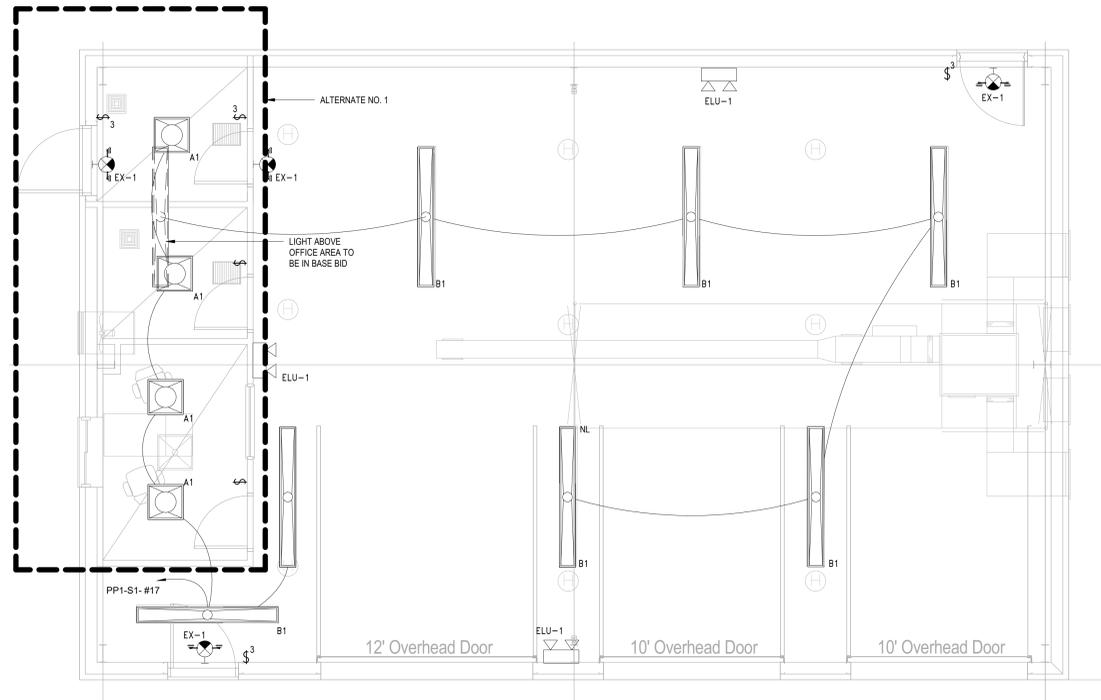
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3 PROPOSED PLAN POWER
SCALE: 1/4" = 1'-0"

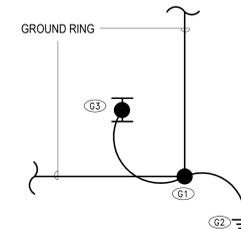


2 PROPOSED PLAN SYSTEMS
SCALE: 1/4" = 1'-0"



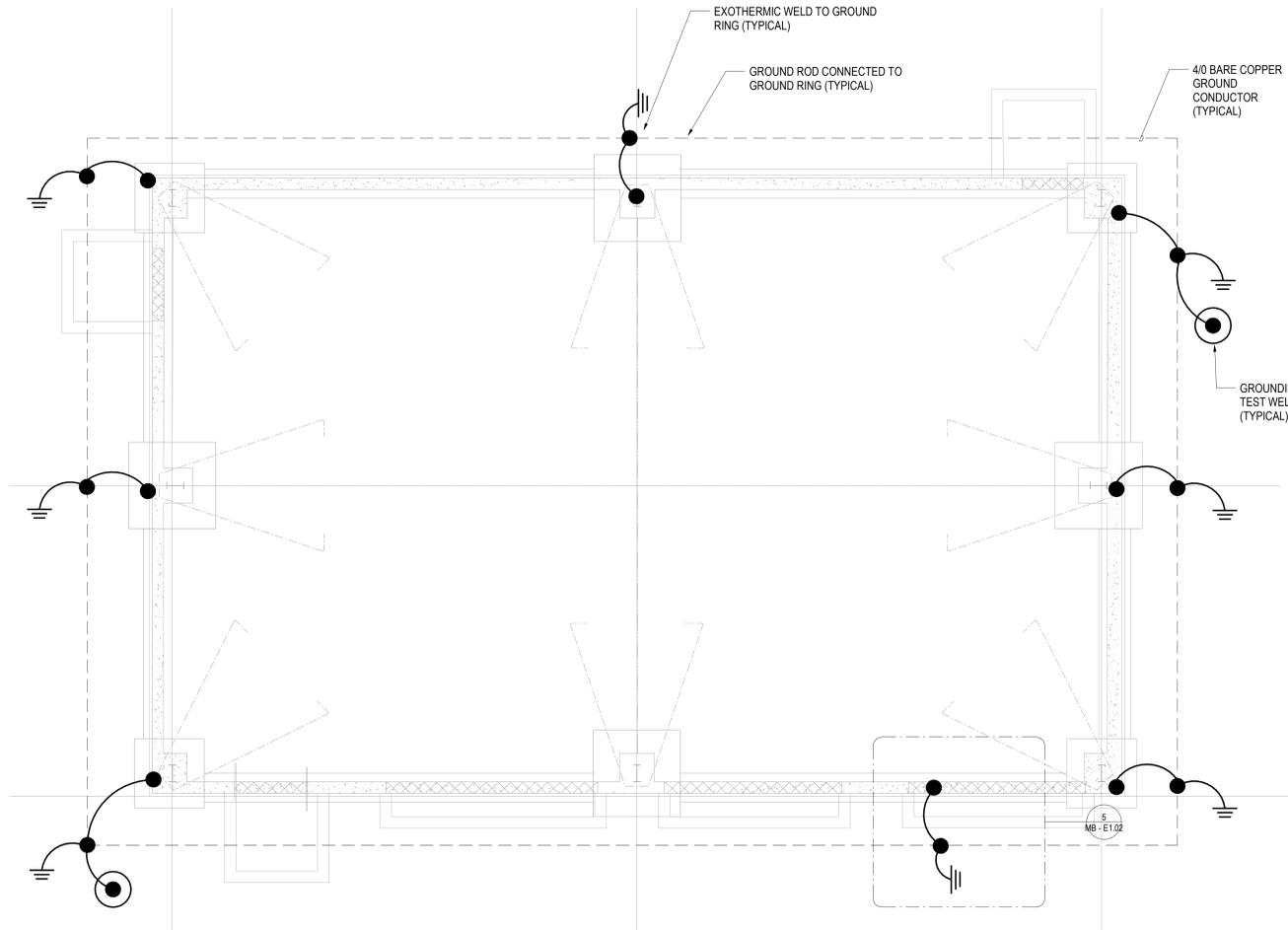
4 FIRST FLOOR - LIGHTING
SCALE: 1/4" = 1'-0"

- SHEET NOTES**
- FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.
 - ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.
 - REFER TO ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE ON E5.01 FOR MECHANICAL EQUIPMENT ELECTRICAL CHARACTERISTICS.
 - REFER TO SINGLE LINE POWER DIAGRAMS ON E5.01 FOR PANELBOARD FEEDER SIZES AND SOURCE PANEL.
 - FIXTURES DESIGNATED AS NIGHT LIGHTS "NL" SHALL BE CIRCUITED AHEAD OF ALL SWITCHING DEVICES.
 - ALL EMERGENCY LIGHTING UNITS AND EXIT SIGNS SHALL BE CIRCUITED TO LOCAL AREA LIGHTING CIRCUIT AHEAD OF ALL SWITCHING DEVICES. UTILIZE (2) #12, #12G. IN 3/4" CONDUIT.
 - REFER TO LIGHTING FIXTURE SCHEDULE ON E5.01.



- NOTES:**
- PROVIDE EXOTHERMIC WELD TO GROUND RING
 - PROVIDE DRIVEN GROUND ROD
 - EXOTHERMIC WELD TO NEAREST STRUCTURAL COLUMN

5 GROUNDING LOOP DETAIL
SCALE: NTS



1 PROPOSED PLAN GROUNDING
SCALE: 1/4" = 1'-0"

REV.	DATE	ITEM

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PROJECT
BEDFORD CENTRAL SCHOOL DISTRICT
PHASE 2 - BOND IMPROVEMENTS
TRANSPORTATION / MAINTENANCE BUILDING
BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
POWER AND LIGHTING PLANS PLAN

DRAWING BY: Designer
CHECKED BY: Approver

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SED No. 66-01-02-06-5-027-001

DISTRICT BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING

DWG TITLE POWER AND LIGHTING PLANS PLAN

SCALE: AS NOTED
DATE: JANUARY 2026
BID PICK UP:
FILE No. 23-131K TIMB

MB - E1.02

Mark	DESCRIPTION	VOLTAGE	PHASE	AMPS	Panel	Circuit Number	CIRCUIT BREAKER	CONDUIT AND WIRING	PROVIDE DISCONNECT	FSD	DUCT SMOKE DETECTOR	NOTES
AC-1	INDOOR UNIT	208	1	1 MCA			20A-2P	(2) #12, #12G, IN 3/4" C.				1
OU-1	OUTDOOR UNIT	208	1	13.4 MCA	PP1-S1	11.13	20A-2P	(2) #12, #12G, IN 3/4" C.				
EDH-1	ELECTRIC CABINET HEATER	208	1	7.2 FLA	PP1-S1	16.16	20A-2P	(2) #12, #12G, IN 3/4" C.				
ECH-2	ELECTRIC CABINET HEATER	208	1	7.2 FLA	PP1-S1	20.22	20A-2P	(2) #12, #12G, IN 3/4" C.				
EDH-1	ELECTRIC DUCT HEATER	208	1	48.06 FLA	PP1-S1	21.23	60A-2P	(2) #4, #6G, IN 1-1/4" C.				
EEF-1	EMERGENCY EXHAUST FAN	208	1	5.4 FLA	PP1-S1	24.26	20A-2P	(2) #12, #12G, IN 3/4" C.				
EF-1	EXHAUST FAN	120	1	4 FLA	PP1-S2	3	15A-1P	(2) #12, #12G, IN 3/4" C.				
EF-2	EXHAUST FAN	120	1	4 FLA	PP1-S2	3	15A-1P	(2) #12, #12G, IN 3/4" C.				
ERV-1	ENERGY RECOVERY VENTILATOR	120	1	6.5 FLA	PP1-S1	10	20A-1P	(2) #12, #12G, IN 3/4" C.				
EUH-1	ELECTRIC UNIT HEATER	208	1	72.12 FLA	PP1-S2	14.16	100A-2P	(2) #1, #6G, IN 1-1/2" C.				
EUH-2	ELECTRIC UNIT HEATER	208	1	72.12 FLA	PP1-S2	10.12	100A-2P	(2) #1, #6G, IN 1-1/2" C.				
TOILET PUMP	ENERGY RECOVERY VENTILATOR	120	1	6.5 FLA	PP1-S2	2	20A-1P	(2) #12, #12G, IN 3/4" C.				
WH-1	ELECTRIC HOT WATER HEATER	208	1	49 FLA	PP1-S2	11.13	70A-2P	(2) #4, #6G, IN 1-1/4" C.	Yes			

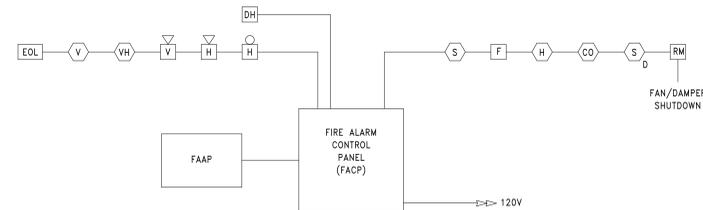
- NOTES:
- INDOOR UNIT TO BE POWERED FROM OUTDOOR UNIT. EC TO PROVIDE POWER FEED FROM OUTDOOR UNIT TO INDOOR UNIT.

TAG	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE / CCT / LAMP / CRI	VOLTAGE	REMARKS
A1	2'x2' LED TROFFER WITH DLC LISTING AND 4400 LUMENS PACKAGE	COOPER - METALUX	22C22-44-HRP-UNV-L835-CD1-U	33W/3500/LED/80+	UNV	
B1	8' INDUSTRIAL LED FIXTURE WITH DLC LISTING, FROSTED ACRYLIC LENS AND WIDE DISTRIBUTION	COOPER - METALUX	8ILED-LD5-28-W-FL-UNV-L835-CD4-U	195W/3500K/LED/80+	UNV	
ELU-1	UL-924 COMPLAINT EMERGENCY LIGHTING UNIT WITH SEALED CADMIUM BATTERY	SURE-LITES	AP25QLED30	LED	UNV	
EX-1	COMBINATION EXIT AND EMERGENCY LIGHTING UNIT, UL924 COMPLAINT WITH MINIMUM 90 MIN OPERATION AND NICKEL CADMIUM BATTERY	SURE-LITES	APC7RSQ	LED	UNV	

Branch Panel: PP1-S1											
Location: Supply From: Mounting: FLUSH				Volts: 120/208 Wye Phases: 3 Wires: 4				A.I.C. Rating: Mains Type: MCB Mains Rating: 400 A			
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	RECEPT - BREAK RM AND TOILET RMS	20 A	1	720 VA	360 VA		1	20 A	Receptacle	2	
3	RECEPT FRIDGE AND JANITOR'S...	20 A	1		360 VA	900 VA	1	20 A	OFFICE RECEPT AND CORRIDOR	4	
5	RECEPT - OFFICE	20 A	1			540 VA	20 A	1	OFFICE RECEPT AND CORRIDOR	6	
7	EXTERIOR RECEPT	20 A	1	360 VA	360 VA		1	20 A	EXTERIOR RECEPT	8	
9	RECEPT - GARAGE AREA	20 A	1		720 VA	780 VA	1	20 A	ERV-1	10	
11	CU-1	20 A	2			1248 VA	1	20 A	RECEPT - GARAGE AREA & OUTDOOR	12	
13	--	--	--	1248 VA	720 VA		1	20 A	RECEPT - GARAGE AREA & OUTDOOR	14	
15	LTG - OFFICE AREA	20 A	1		776.4 VA	750 VA	2	20 A	ECH-1	16	
17	LTG - GARAGE AREA	20 A	1			1531.7 VA	750 VA	--	--	18	
19	FACP	20 A	1	0 VA	750 VA		2	20 A	ECH-2	20	
21	EDH-1	60 A	2		5000 VA	750 VA	--	--	--	22	
23	--	--	--			5000 VA	2	20 A	EEF-1	24	
25				561.6 VA			--	--	--	26	
27										28	
29										30	
31										32	
33										34	
35										36	
37										38	
39										40	
41										42	
Total Load:				20810 VA	25605 VA	26789 VA					
Total Amps:				173 A	220 A	229 A					
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals						
Equipment		2400 VA	100.00%	2400 VA	Total Conn. Load: 73201 VA						
Lighting		5608 VA	100.00%	5608 VA	Total Est. Demand: 73201 VA						
Motor		5779 VA	100.00%	5779 VA	Total Conn. Current: 203 A						
Receptacle		6660 VA	100.00%	6660 VA	Total Est. Demand Current: 203 A						
Power		52596 VA	100.00%	52596 VA							

Branch Panel: PP1-S2											
Location: Supply From: PP1-S1 Mounting: FLUSH				Volts: 120/208 Wye Phases: 3 Wires: 4							
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LEAK DETECTION SYSTEM	20 A	1	0 VA	780 VA		1	20 A	TOILET PUMP	2	
3	EF-1 & EF-2	20 A	1		96 VA	510 VA	1	20 A	LIGHTING ABOVE MEZZANINE	4	
5	LIGHTING MAIN SPACE	20 A	1			1530 VA	1	20 A	LIGHTING MAIN SPACE	6	
7	CO-NO2 MONITOR	20 A	1	1200 VA	1200 VA		1	20 A	DDC PNL	8	
9	MOTORIZED DAMPERS	20 A	1		0 VA	7500 VA	2	100 A	EUH-2	10	
11	WH-1A	70 A	2			5050 VA	7500 VA	--	--	12	
13	--	--	--	5050 VA	7500 VA		--	--	--	14	
15	MOTORIZED DAMPER	20 A	1		0 VA	7500 VA	--	--	--	16	
17										18	
19										20	
21										22	
23										24	
25										26	
27										28	
29										30	
31										32	
33										34	
35										36	
37										38	
39										40	
41										42	
Total Load:				15730 VA	15606 VA	15610 VA					
Total Amps:				131 A	130 A	130 A					

Notes:



NOTES:

- SEE SPECIFICATIONS FOR EQUIPMENT, DEVICE AND WIRING STANDARDS.
- PROVIDE BOOSTERS, POWER EXTENDERS AND END OF LINE RESISTORS AS NEEDED.
- REMOTE POWER SUPPLIES SHOULD BE ACCESSIBLE AND LOCATED IN ELECTRICAL ROOMS OR CLOSETS.
- CABLE AND WIRING MUST BE RUN IN ACCORDANCE WITH CONTRACT DOCUMENTS, SYSTEM MANUFACTURER'S INSTRUCTIONS, NEC, NFPA AND LOCAL CODES.
- DO NOT RUN AC POWER IN SAME RACEWAY, CONDUIT OR CABLE TRAY AS FIRE ALARM WIRING.
- LABEL ALL TERMINATIONS IN CABINETS OR BOXES WITHIN 12" OF ENTRY.

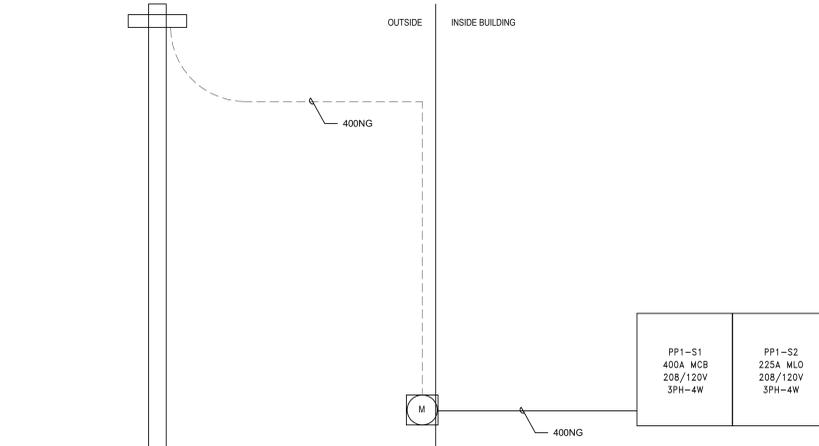
2 FIRE ALARM RISER

SCALE: NTS

FIRE ALARM SEQUENCE OF OPERATION	
A.	ACTIVATION OF A MANUAL PULL STATION WILL DO THE FOLLOWING: a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE FIRE ALARM PANEL. b. SHUTDOWN ALL FANS GREATER THAN 1000 C.F.M. AND CLOSE ASSOCIATED FIRE SMOKE DAMPERS AND SMOKE DAMPERS. c. ACTIVATE HORN AND STROBES. d. SOUND AN AUDIBLE ALARM TONE WITHIN ZONE CONTAINING INITIATING FIRE ALARM SIGNAL. e. SEND A PULL STATION ALARM SIGNAL TO CENTRAL OFFICE.
B.	ACTIVATION OF AN AREA SMOKE DETECTOR OR DUCT DETECTOR WILL DO THE FOLLOWING: a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE FIRE ALARM PANEL. b. SHUTDOWN ALL FANS GREATER THAN 1000 C.F.M. AND CLOSE ASSOCIATED FIRE SMOKE DAMPERS AND SMOKE DAMPERS. c. ACTIVATE HORN AND STROBES. d. SOUND AN AUDIBLE ALARM TONE WITHIN ZONE CONTAINING INITIATING FIRE ALARM SIGNAL. e. SEND A SMOKE ALARM SIGNAL TO CENTRAL OFFICE. f. SEND SIGNAL TO BMS SYSTEM TO BEGIN SMOKE EXHAUST SEQUENCE. g. OPERATE ALL DOOR RELEASES AT EGRESS DOORS.
C.	ACTIVATION OF A CARBON MONOXIDE DETECTOR WILL DO THE FOLLOWING: a. INITIATE A DISTINCT CARBON MONOXIDE DETECTOR SUPERVISORY SIGNAL FOR CORRESPONDING DETECTOR ON AN ENGLISH LANGUAGE DISPLAY AT THE FIRE ALARM PANEL. b. ACTIVATE DISTINCT LOCAL CARBON MONOXIDE DETECTOR HORN/STROBE DEVICES FOR ASSOCIATED DETECTOR IN ALARM CONDITION. c. ACTIVATE CARBON DETECTOR SOUND BASE (IF PRESENT). d. SEND A DISTINCT CARBON MONOXIDE DETECTOR SUPERVISORY SIGNAL TO CENTRAL OFFICE.
D.	A CARBON MONOXIDE DETECTOR IN A TROUBLE CONDITION WILL DO THE FOLLOWING: a. INITIATE A DISTINCT CARBON MONOXIDE DETECTOR TROUBLE SIGNAL FOR CORRESPONDING DETECTOR ON AN ENGLISH LANGUAGE DISPLAY AT THE FIRE ALARM PANEL. b. SEND A DISTINCT CARBON MONOXIDE DETECTOR TROUBLE SIGNAL TO CENTRAL OFFICE.

3 FIRE ALARM SOO

SCALE: NTS



1 PROPOSED ONE-LINE

SCALE: NTS

REV.	DATE	ITEM

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BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

RISERS AND SCHEDULES

PROJECT: _____
DWG TITLE: _____

DRAWING BY: Designer
CHECKED BY: Approver

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SED No: 66-01-02-06-5-027-001

DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT

PROJECT: PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING

DWG TITLE: RISERS AND SCHEDULES

SCALE: AS NOTED

DATE: JANUARY 2026

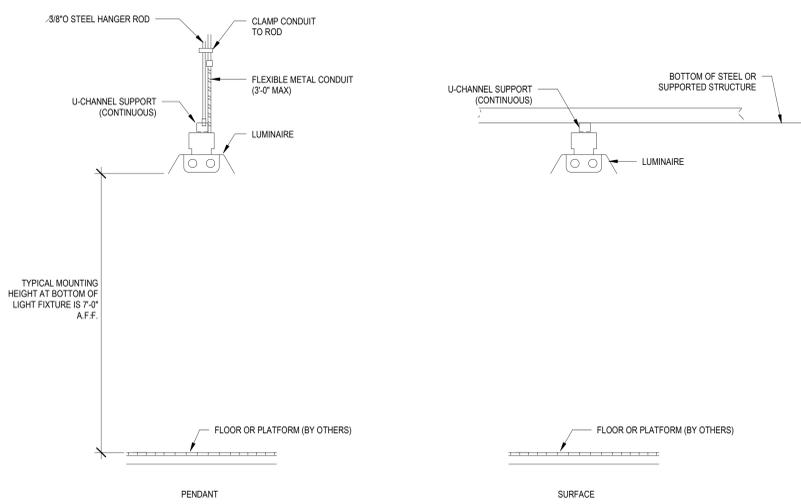
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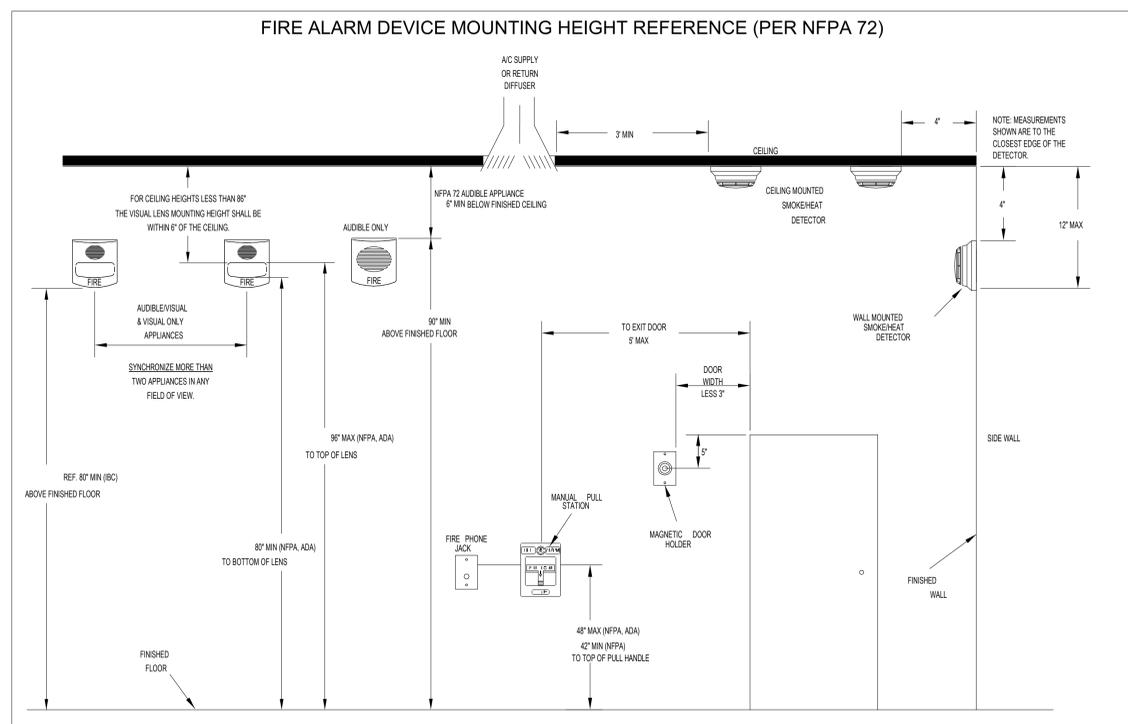
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REV.	DATE	ITEM

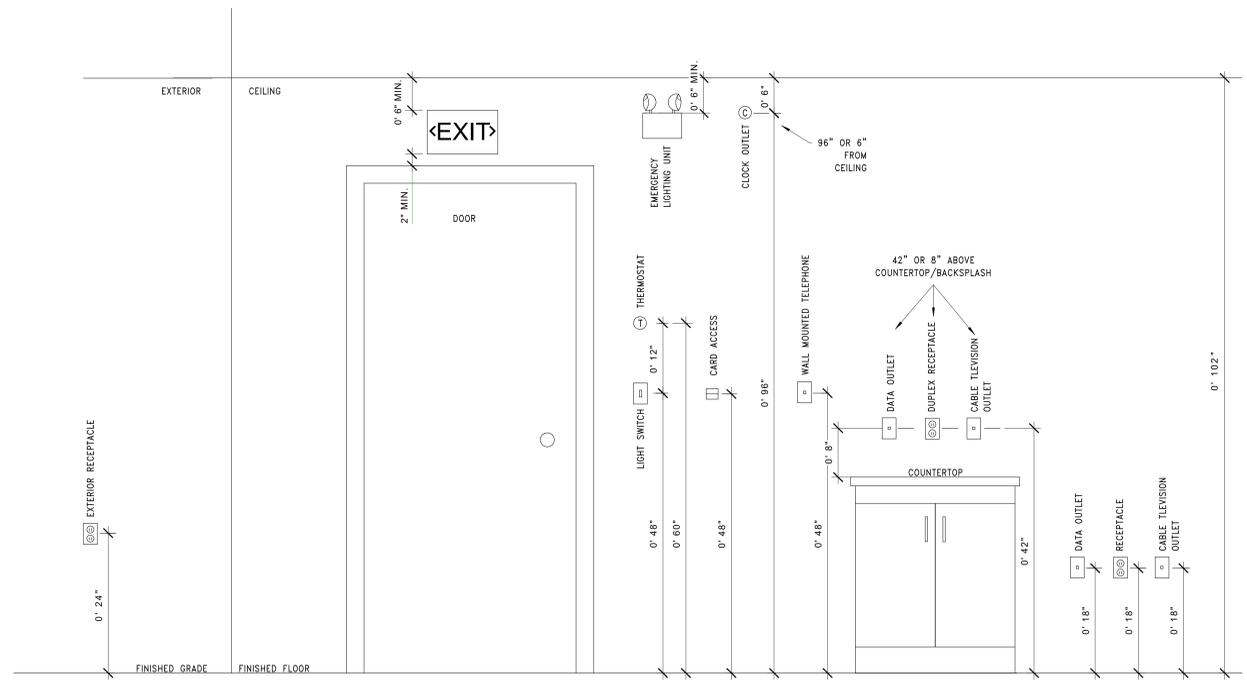
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3 TYPICAL LED FIXTURE MOUNTING DETAIL
 SCALE: N.T.S.



2 TYPICAL FIRE ALARM HEIGHT
 SCALE: N.T.S.



1 TYPICAL MOUNTING HEIGHT DETAIL
 SCALE: N.T.S.

MOUNTING ELEVATIONS NOTES:
 1. MOUNTING HEIGHTS NOTED ARE STANDARD, IF SPECIFIC MOUNTING HEIGHTS ARE NOT NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 ELECTRICAL DETAILS

DRAWING BY: Designer
CHECKED BY: Approver

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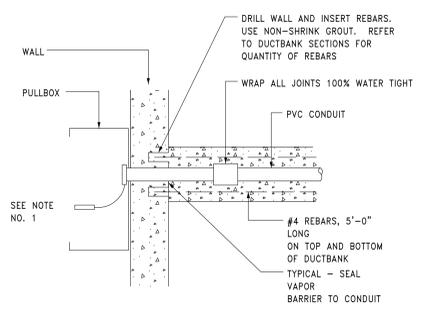
SED No: 66-01-02-06-5-027-001
DISTRICT: BEDFORD CENTRAL SCHOOL DISTRICT
PROJECT: PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING
DWG TITLE: ELECTRICAL DETAILS

SCALE: AS NOTED
DATE: JANUARY 2026
BID PICK UP:
FILE No: 23-131K TMB

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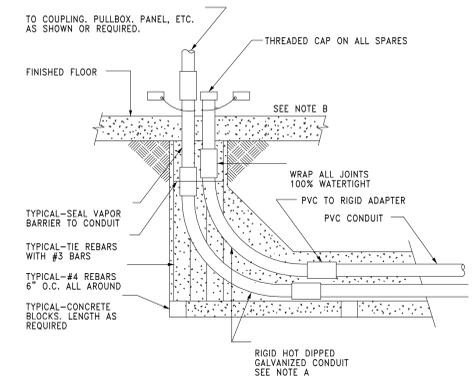
REV.	DATE	ITEM

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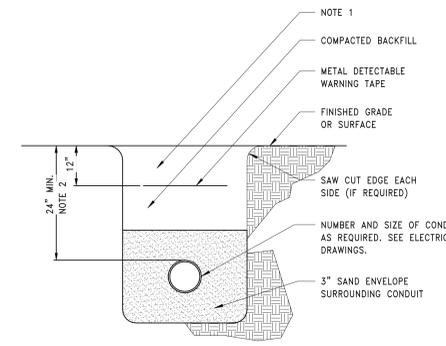
DETAIL NOTES:
 A. LACH CONDUIT, PROVIDE AN ENGRAVED PLASTIC NAMEPLATE, INDICATING CONDUIT NO., AND ATTACH TO CONDUIT WITH NYLON CABLE TIE.

9 CONDUIT PENETRATION INTO BUILDING DETAIL
 SCALE: NTS



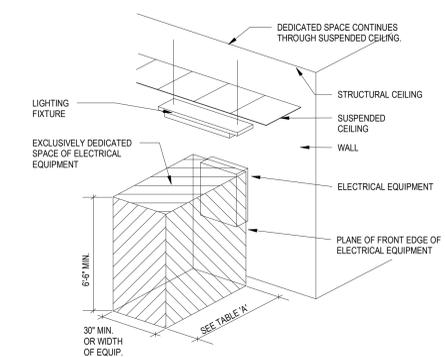
DETAIL NOTES:
 A. WHERE CONDUIT STUBS UP UNDER FLOOR MOUNTED EQUIPMENT SUCH AS SWITCHGEAR, PROVIDE PVC ELBOWS IN LIEU OF RIGID SHOWN.
 B. AT EACH CONDUIT STUB-UP, AFFIX ENGRAVED PLASTIC NAMEPLATE INDICATING CONDUIT NO. OR CIRCUIT IDENTIFICATION, ATTACH WITH NYLON CABLE TIE.

10 CONDUIT STUB UP INSIDE BUILDING DETAIL
 SCALE: NTS



NOTE
 1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.
 2. 24" MIN. OR 6" BELOW BOTTOM OF FROST LINE, WHICHEVER IS DEEPER.

11 TYPICAL DIRECT BURIED CONDUIT DETAIL
 SCALE: NTS

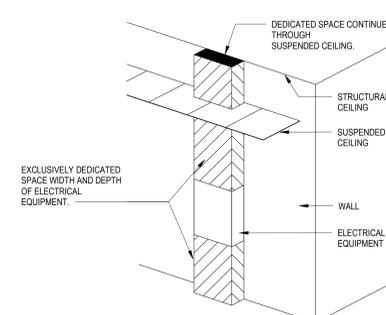


NOTES:
 THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. SEE N.E.C. FOR VOLTAGES GREATER THAN THOSE LISTED. SEE N.E.C. FOR EXCEPTIONS TO TABLE 'A'.

VOLTAGE TO GROUND NOMINAL	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	2	3
0 - 150	3	3	3
151 - 600	3	3.5	4

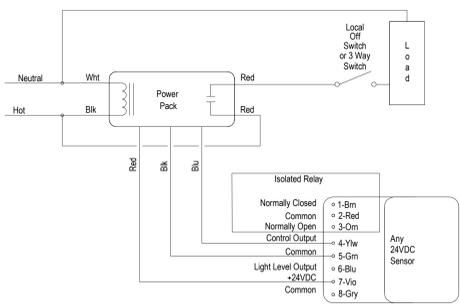
VOLTAGE TO GROUND NOMINAL	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	2	3
601 - 2500	3	4	5
2501 - 9000	4	5	6
9001 - 25,000	5	6	9
25,001 - 75 kV	6	8	10
ABOVE 75kV	8	10	12

WHERE THE CONDITIONS ARE AS FOLLOWS:
 1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
 2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
 3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.



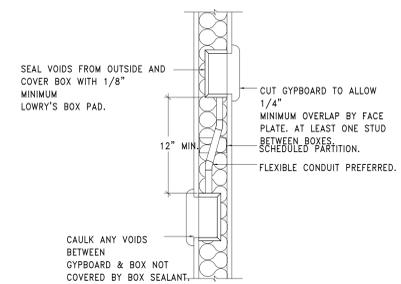
NOTES:
 1. THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER THE ELECTRICAL EQUIPMENT. THE DEDICATED SPACE EXTENDS ABOVE THE EQUIPMENT 6 FEET OR TO STRUCTURAL CEILING WHICHEVER IS LOWER.
 2. THIS APPLIES TO SURFACE OR RECESSED ELECTRICAL EQUIPMENT.
 3. FOR EXCEPTIONS SEE N.E.C.

7 TYPICAL VERTICAL WORKING CLEARANCE
 SCALE: N.T.S.



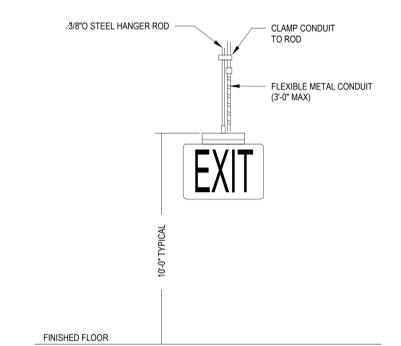
NOTES:
 1. WIRE DIAGRAM BASIS OF DESIGN SHALL BE WATTSTOPPER 'CX-100' SERIES.
 2. ONE POWER PACK PER OCCUPANCY SENSOR.

5 CEILING MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM
 SCALE: N.T.S.

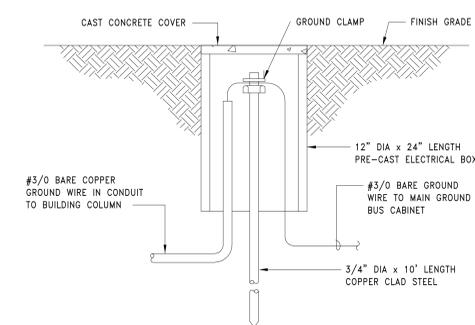


6 ELECTRICAL & TECHNICAL SYSTEMS BACKBOX INSTALLATION DETAIL
 SCALE: NTS

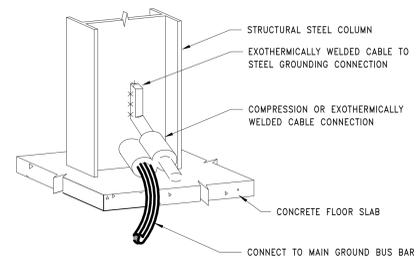
8 TYPICAL HORIZONTAL WORKING CLEARANCE
 SCALE: N.T.S.



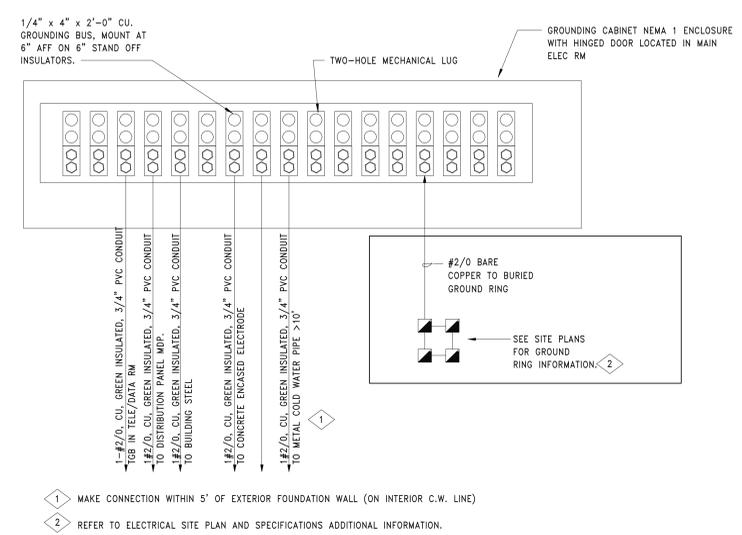
4 PENDANT EXIT SIGN MOUNTING DETAIL
 SCALE: N.T.S.



3 E-GROUND ROD DETAIL WITH TEST WELL
 SCALE: 12" = 1'-0"



2 E-GROUNDING AT STEEL COLUMN
 SCALE: NTS



1 E-MAIN GROUND BUS BAR DETAIL
 SCALE: NTS

PROJECT
 BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

DWG TITLE
 ELECTRICAL DETAILS

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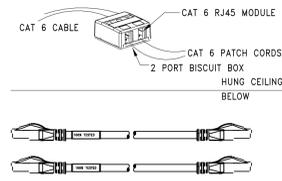
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SED No. 66-01-02-06-5-027-001
DISTRICT BEDFORD CENTRAL SCHOOL DISTRICT
PROJECT PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING
DWG TITLE ELECTRICAL DETAILS

SCALE: AS NOTED
DATE: JANUARY 2026
BID PICK UP:
FILE No. 23-131K TMB

MB - E8.02

WIRELESS ACCESS POINT			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-SM2-02 (OR MATCH EXISTING)	2 PORT BISCUIT BOX	SIEMON
2	MC6-10-05 (OR MATCH EXISTING)	10' PATCH CORD (YELLOW)	SIEMON
2	MX6-F05 (OR MATCH EXISTING)	RJ45 DATA CONNECTOR - YELLOW	SIEMON
***	UN874029504/10 (OR MATCH EXISTING)	YELLOW CAT 6 CABLE	COMMSCOPE

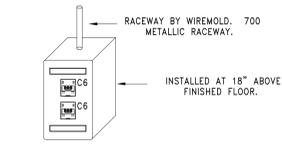


1 DUAL CABLE WIRELESS DROPS

SCALE: N.T.S.

- NOTES:
1. SECURE BISCUIT BOX TO BUILDING STRUCTURE
2. REFER TO DRAWINGS FOR QUANTITIES

WALL MOUNT DATA BOX			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-FP-S-02-02	2 PORT FACE PLATE	SIEMON
AS NEEDED	V700	V700 METALLIC RACEWAY	WIREMOLD
1	V5747	SHALLOW DEVICE BOX	WIREMOLD
1	V5785	COMBINATION CONNECTOR ENTRANCE FITTING	WIREMOLD
2	MX6-F06	RJ45 DATA CONNECTOR - BLUE	SIEMON
***	UN874043004/10	BLUE CAT 6 CABLE	COMMSCOPE

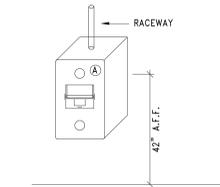


2 WALL MOUNT DATA BOX

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY
2. PROVIDE ALL NECESSARY MOUNTING/CONNECTION FITTINGS FOR METALLIC RACEWAY AS NEEDED.

WALL MOUNT TELEPHONE			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-WP-K6-SS	STAINLESS STEEL PHONE PLATE W/CAT6 RJ45	SIEMON
AS NEEDED	V700	V700 METALLIC RACEWAY	WIREMOLD
1	V5747	SHALLOW DEVICE BOX	WIREMOLD
1	V5785	COMBINATION CONNECTOR ENTRANCE FITTING	WIREMOLD
***	UN874049704/10	WHITE CAT 6 CABLE	COMMSCOPE

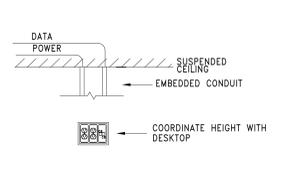


3 TELEPHONE RACEWAY

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY

RECESSED WALL BOX			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-FP-S-02-02	2 PORT FACE PLATE	SIEMON
2	MX6-F06	RJ45 DATA CONNECTOR - BLUE	SIEMON
1	DR-D-02	DOUBLE GANG OUTLET FACEPLATE	SIEMON
***	UN874043004/10	BLUE CAT 6 CABLE	COMMSCOPE
2	SEE DWG E0.01	TR DUPLEX RECEPTACLE (DECORATOR OPENING)	-
1	WSA00-4	WALL BOX MOUNTING BRACKET	LEGRAND
1	WSA42-4	4 GANG WALL BOX	LEGRAND

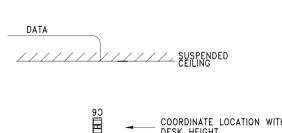


4 RECESSED WALL BOX

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY
2. COORDINATE HEIGHT WITH HSA DESKTOP HEIGHT
3. INSTALL CONDUIT AS NEEDED

DRYWALL DATA PLATE			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-FP-S-02-02	2 PORT FACE PLATE	SIEMON
2	MX6-F06	RJ45 DATA CONNECTOR - BLUE	SIEMON
1	***	STANDARD DRYWALL BOX ELIMINATOR	***
***	UN874043004/10	BLUE CAT 6 CABLE	COMMSCOPE

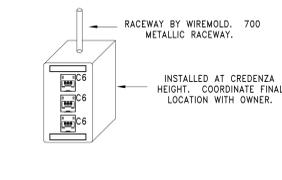


5 DRYWALL DATA PLATE

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY
2. COORDINATE HEIGHT WITH CASEWORK MANUFACTURER
3. INSTALL CONDUIT AS NEEDED

WALL MOUNT CONFERENCE ROOM DATA BOX			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-FP-S-03-02	3 PORT FACE PLATE	SIEMON
AS NEEDED	V700	V700 METALLIC RACEWAY	WIREMOLD
1	V5747	SHALLOW DEVICE BOX	WIREMOLD
1	V5785	COMBINATION CONNECTOR ENTRANCE FITTING	WIREMOLD
3	MX6-F06	RJ45 DATA CONNECTOR - BLUE	SIEMON
***	UN874043004/10	BLUE CAT 6 CABLE	COMMSCOPE
***	UN874043004/10	BLUE CAT 6 CABLE	COMMSCOPE

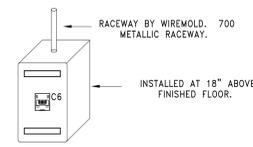


6 WALL MOUNT CONF. RM. DATA BOX

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY
2. PROVIDE ALL NECESSARY MOUNTING/CONNECTION FITTINGS FOR METALLIC RACEWAY AS NEEDED.

WALL MOUNT SINGLE DATA BOX			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-FP-S-01-02	1 PORT FACE PLATE	SIEMON
AS NEEDED	V700	V700 METALLIC RACEWAY	WIREMOLD
1	V5747	SHALLOW DEVICE BOX	WIREMOLD
1	V5785	COMBINATION CONNECTOR ENTRANCE FITTING	WIREMOLD
1	MX6-F06	RJ45 DATA CONNECTOR - BLUE	SIEMON
***	UN874043004/10	BLUE CAT 6 CABLE	COMMSCOPE

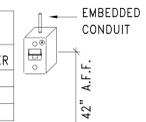


7 WALL MOUNT SINGLE DATA BOX

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY
2. PROVIDE ALL NECESSARY MOUNTING/CONNECTION FITTINGS FOR METALLIC RACEWAY AS NEEDED.

TELEPHONE WALL BOX			
QNTY.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	MX-WP-K6-SS	STAINLESS STEEL PHONE PLATE W/CAT6 RJ45	SIEMON
1	***	STANDARD DRYWALL BOX	-
***	UN874049704/10	WHITE CAT 6 CABLE	COMMSCOPE



10 TELEPHONE WALL BOX

SCALE: N.T.S.

- NOTES:
1. REFER TO DRAWINGS FOR QUANTITY
2. INSTALL CONDUIT AS NEEDED

DRAWING NOTES - CAT 6/CAT 6A:

- ALL 4-PAIR UTP HORIZONTAL STATION PLENUM RATED CABLES FOR VOICE/DATA SERVICES SHALL BE HOMERUN TO THE NEAREST COMMUNICATIONS ROOM.
- ROUTE COMMUNICATION CABLES THROUGH THE GYPSUM WALLS, CONCRETE BLOCK AND RACEWAY UP TO THE CEILING CAVITY. COMMUNICATIONS CABLES MAIN PATHWAY WILL BE THE HALLWAYS TO THE NEAREST COMMUNICATIONS ROOM.
- REFER TO THE REFLECTED CEILING PLANS AND MECHANICAL PLANS TO COORDINATE PATHWAYS IN THE CEILINGS WITH LIGHT FIXTURES AND MECHANICAL DUCT WORK.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE ROUTING OF CABLES ABOVE THE HUNG CEILING WITH THE ELECTRICAL, MECHANICAL AND GENERAL CONTRACTORS PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY CEILING HEIGHTS FOR ALL AREAS PRIOR TO INSTALLING ANY CABLE. CONTRACTOR TO COORDINATE THE INSTALLATION OF ANY COMPONENTS IN THE CEILING WITH ALL OTHER TRADES, EQUIPMENT AND FIELD CONDITIONS. ANY CABLE TRANSITIONS ROUTED OVER HVAC DUCTS MUST NOT LAY ON TOP OF THE DUCTS AND MUST BE SUPPORTED OVER THE DUCTS.
- DO NOT LAY CABLES OVER LIGHTING FIXTURES OR ELECTRICAL MACHINERY IN THE HUNG CEILING. CABLES SHALL BE PLACED AT A MINIMUM OF 12 INCHES AWAY FROM MAGNETIC INDUCING EQUIPMENT.
- FURNISH AND INSTALL ADDITIONAL SLEEVES (WITH GROMMETED ENDS) AS REQUIRED FOR THE ENTRANCES INTO THE COMMUNICATIONS ROOMS AND ANY OTHER APPLICABLE AREAS. ALL SLEEVES SHALL BE FIRESTOPPED WHEN THE INSTALLATION IS COMPLETED.
- PROVIDE ALL PENETRATIONS AND RATED PARTITION FIRESTOPPING EVERY TIME A PARTITION IS TRAVERSED ABOVE THE HUNG CEILING. EXISTING FIREPROOFING MATERIAL WHICH IS DISTURBED OR DAMAGED BY THE WORK UNDER THIS CONTRACT SHALL BE REPLACED AND RESTORED TO THE SATISFACTION OF THE OWNER.
- FURNISH AND INSTALL TRAPEZE, BRIDAL RINGS, CADDY HANGERS, J-HOOKS AND OTHER INDUSTRY ACCEPTED METHODS REQUIRED TO SUPPORT ALL INSTALLED CABLES. DO NOT SUPPORT CABLES ON CEILING BLACK IRON, DROP CEILING GRID OR ON ANY OTHER DEVICES THAT ARE NOT INTENDED FOR THE SUPPORTING OF CABLES. EXCEPT FOR GROUPS OF 10 OR FEWER CABLES, CABLE SUPPORTS SHALL BE ANCHORED TO THE UNDERSIDE OF THE SLAB AND CLAMPED TO BUILDING STEEL.
- CABLES MUST BE SUPPORTED AT A MINIMUM EVERY SIX (6) FEET AND BUNDLES MUST BE HOOK & LOOPED TOGETHER AT A MINIMUM OF EVERY THREE (3) FEET.
- ALL CABLES SHALL BE INSPECTED AS THEY ARE PULLED OFF THE REEL FOR ANY OBVIOUS DEFECTS. REPORT ANY DEFECTS IMMEDIATELY TO THE ENGINEER AND HALT FURTHER USE OF THE CABLE FROM THAT REEL, PENDING A DETERMINATION OF THE QUALITY OF THE REEL BY THE MANUFACTURER.
- ALL CABLES SHALL BE PULLED BY HAND AND CONTINUOUSLY MONITORED BY A TENSION METER SO AS NOT TO EXCEED THE PRESCRIBED MAXIMUM PULLING TENSION RECOMMENDED BY THE MANUFACTURER.
- CONTRACTOR SHALL NOT EXCEED THE CABLE PULLING FORCE AND MINIMUM CABLE BENDING RADIUS. CABLE TERMINATIONS AT DISTRIBUTION RACKS/CABINETS FOR VOICE AND DATA SHALL BE DRESSED NEATLY AND DONE IN A WORKMANLIKE MANNER. HOOK & LOOP CABLES AND CUT TO LENGTH AT TERMINATION POINTS.
- WHEN INSTALLING ENHANCED CATEGORY-6 UTP CABLE, MAKE SURE THE CABLE IS NEVER BENT BEYOND A 90 DEGREE ANGLE. A CABLE BEND RADIUS OF 4 TIMES THE DIAMETER OF THE CABLE IS RECOMMENDED. (ON A 4-PAIR CABLE, THIS IS APPROXIMATELY ONE INCH.)
- ALL CABLES SHALL BE PULLED BY THE ELECTRICAL CONTRACTOR IN CONTINUOUS SPICE-FREE RUNS, WITH NO FACTORY OR FIELD SPLICES, UNLESS OTHERWISE SHOWN ON DRAWINGS AND/OR SPECIFICATIONS.
- PULLING AND LAYING CABLE ON SHARP EDGES IS NOT PERMITTED.
- THE CABLE PATHS SHOWN ON DRAWINGS REPRESENT DESIGN INTENT AND APPROXIMATE ROUTING OF CABLES IN HUNG CEILING TO DROP OFF POINTS. ADJUST ACCORDINGLY TO EXISTING FIELD CONDITIONS.
- QUANTITY OF CABLE IS NOT REPRESENTED. CONTRACTOR SHALL TABULATE QUANTITY BASED UPON COMMUNICATION OUTLET SYMBOLS SHOWN (TYPICAL). CONTRACTOR TO VERIFY IN FIELD AND MAKE ADJUSTMENTS AS REQUIRED.
- PROVIDE A MINIMUM OF SIX (6) FEET OF SLACK AT THE STATION END FOR WORKSTATION LOCATIONS. NEATLY COIL AND CONCEAL SLACK ABOVE THE HUNG CEILING AND PROTECT FROM DAMAGE BY WORKMEN PRIOR TO EXTENDING CABLE AND INSTALLING TO VOICE/DATA WORKSTATION OUTLET.
- ALL VOICE/DATA UTP STATION CABLES SHALL BE HOMERUN BACK TO THE MAIN -OR- ID COMMUNICATIONS ROOM AS ILLUSTRATED ON THE TECHNOLOGY FLOOR PLANS. REFER TO DETAIL PLANS AND ELEVATIONS FOR THE DEMARCATION LOCATIONS OF ALL CABLES.
- ALL ABANDONED/NON USED CABLES TO BE REMOVED FROM PLENUM SPACES AS PER CODE.
- ALL NEW EQUIPMENT TO BE GROUNDED AND BONDED AS PER CODE.

WIRELESS CONSTRUCTION NOTES:

- PROVIDE AND INSTALL TWO WIRELESS RUNS FROM NEW WIRELESS DROPS TO EXISTING LOCAL WIRE CLOSET. WIRELESS SHALL BE CATEGORY 6 CABLE TO TERMINATE AT BOTH ENDS USING CAT6 RJ45 CONNECTORS AND PATCH PANELS.
- E.G. TO TERMINATE ONE CABLE AT THE WIRELESS LOCATION AND THE SECOND CABLE TO REMAIN UN-TERMINATED.
- ALL CABLES SHALL BE CONCEALED AND SURFACE RACEWAY SHALL BE USED AT ALL EXPOSED AREAS.

VOICE CONSTRUCTION NOTES:

- PROVIDE AND INSTALL A VOICE RUN FROM NEW PHONE DROPS TO EXISTING LOCAL WIRE CLOSET. VOICE SHALL BE CATEGORY 6 CABLE TO TERMINATE AT BOTH ENDS USING CAT6 RJ45 CONNECTORS AND PATCH PANELS.
- VOICE BACK BONE CABLE TO BE INSTALLED TO A 24 PORT PATCH PANEL. E.G. TO TERMINATE EACH PAIR TO THE BLUE PAIR OF THE PATCH PANEL. LAST PAIR TO REMAIN UN-TERMINATED.
- ALL CABLES SHALL BE CONCEALED AND SURFACE RACEWAY SHALL BE USED AT ALL EXPOSED AREAS.

DATA CONSTRUCTION NOTES:

- PROVIDE AND INSTALL A DATA RUN FROM NEW DATA DROPS TO EXISTING LOCAL WIRE CLOSET. DATA SHALL BE CATEGORY 6 CABLE TO TERMINATE AT BOTH ENDS USING CAT6 RJ45 CONNECTORS AND PATCH PANELS.
- COORDINATE WITH DISTRICT NETWORK TECHNICIANS FOR THE PORT LOCATION AND IP ADDRESS NEEDED FOR SYSTEM.
- ALL CABLES SHALL BE CONCEALED AND SURFACE RACEWAY SHALL BE USED AT ALL EXPOSED AREAS.

DRAWING NOTES

- MAINTAIN APPROPRIATE SEPARATION OF LINE VOLTAGE AND LOW VOLTAGE CABLE.
- QUANTITY OF DROPS AS PER FLOOR PLANS.
- 2 DUPLEX RECEPTACLES PER DROP UNLESS SPECIFIED OTHERWISE.
- MAINTAIN 3' ON CENTER PER DROP SETUP.
- CABLES BACKFED OR RACEWAY FED AS REQUIRED.

1 TECHNOLOGY DETAILS

SCALE: NTS

REV.	DATE	ITEM

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BEDFORD CENTRAL SCHOOL DISTRICT
 PHASE 2 - BOND IMPROVEMENTS
 TRANSPORTATION / MAINTENANCE BUILDING
 BEDFORD, WESTCHESTER COUNTY, NEW YORK

PROJECT
 DWG TITLE

DRAWING BY: Designer
 CHECKED BY: Approver

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 PROJECT PHASE 2 - BOND IMPROVEMENTS TRANSPORTATION / MAINTENANCE BUILDING
 DWG TITLE TECHNOLOGY DETAILS
 SCALE: AS NOTED
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