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ASBESTOS ABATEMENT  <div style="text-align: center;">   <b>QuES&amp;T</b>          Quality Environmental Solutions &amp; Technologies, Inc.           1376 Route 9, Wappingers          Falls, NY 12590           845.298.6031  <a href="http://qualityenv.com">qualityenv.com</a> </div>			
ESTIMATING  <div style="text-align: center;">   <b>D   A   C   K</b>  <small>CONSULTING SOLUTIONS, INC.</small>           2 William St, suite 202          White Plains, NY 10601           914.686.7102  <a href="http://dackconsulting.com">dackconsulting.com</a> </div>			
KEYPLAN  <div style="height: 150px;"></div>			
CAMPUS - KEYPLAN  <div style="height: 150px;"></div>			
PROJECT  CAPITAL PROJECT #4466 BUILDING E UTILITY PLANT RENOVATION & IMPROVEMENTS DR. ROBERT L. YEAGER HEALTH CENTER 50 SANATORIUM ROAD, POMONA, NY 10970			
DRAWING TITLE  <h2 style="text-align: center; margin-top: 20px;">COVER SHEET</h2>			
SEAL  <div style="border: 1px solid black; width: 100px; height: 100px; margin: auto;"></div>		SCALE NONE  DRAWN BY NW  CHECKED BY RS  DATE 04-28-2020	
		PROJECT NO NRCKK0016.00  DRAWING NO.  <div style="font-size: 2em; font-weight: bold; text-align: center;">T0.1</div>	

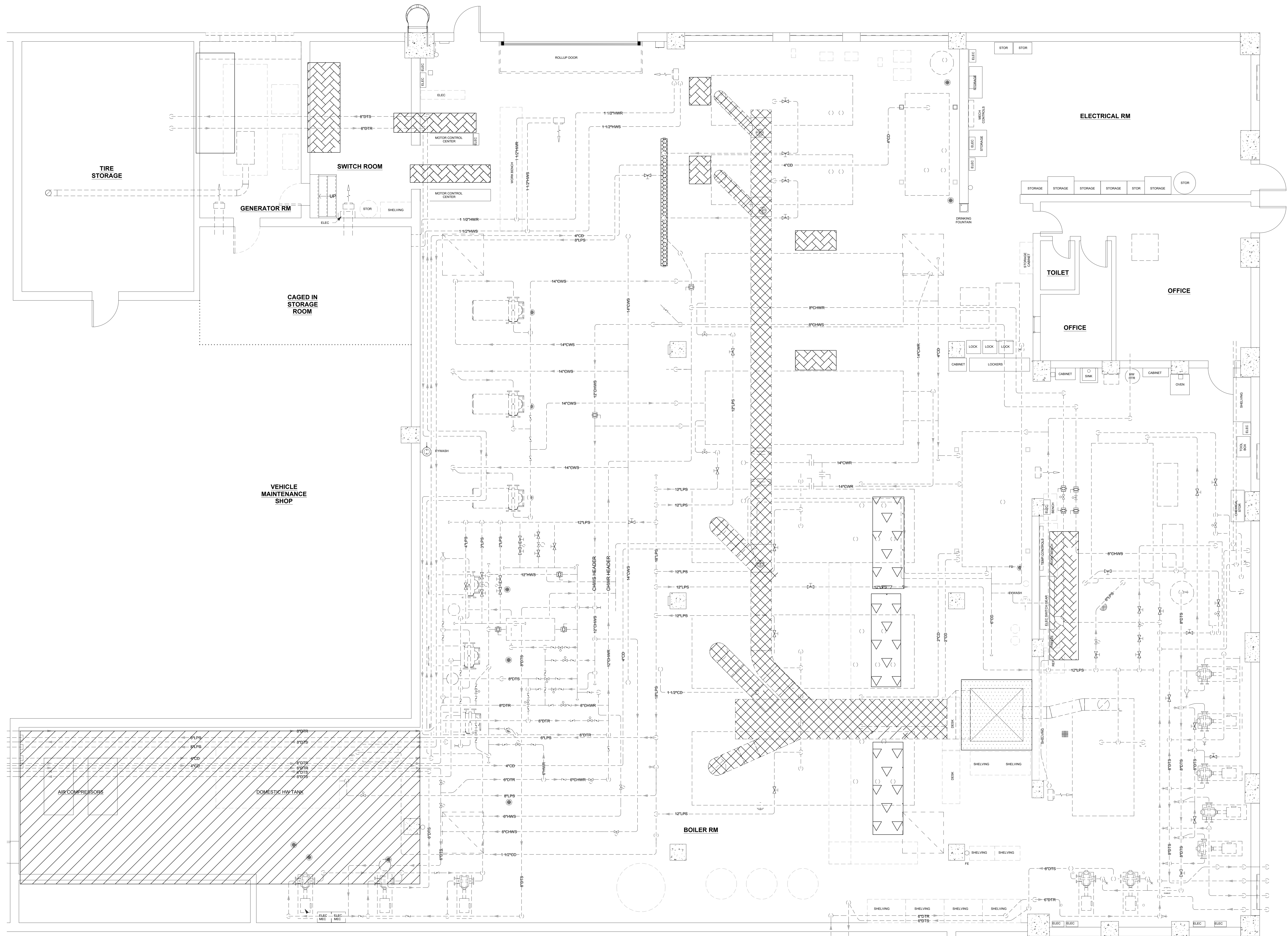


NO.	DESCRIPTION	DATE
1	ISSUED FOR BID	11/01/2021

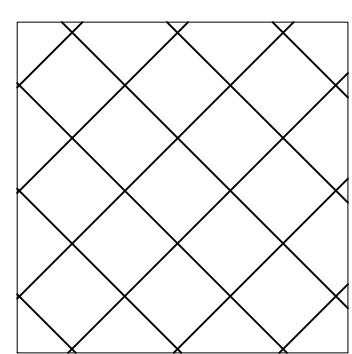
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PROJECT  
CAPITAL PROJECT 4466  
BUILDING E UTILITY PLANT  
RENOVATION & IMPROVEMENTS  
DR. ROBERT L. YEAGER HEALTH CENTER  
50 SANATORIUM ROAD,  
POMONA, NY 10970

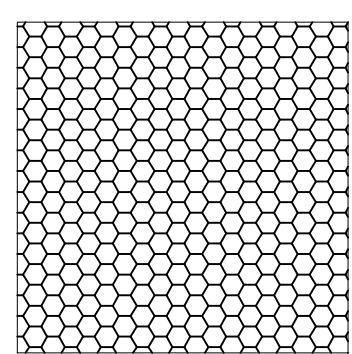
DRAWING TITLE  
INTERIOR ASBESTOS  
REMOVAL LOCATIONS PLAN



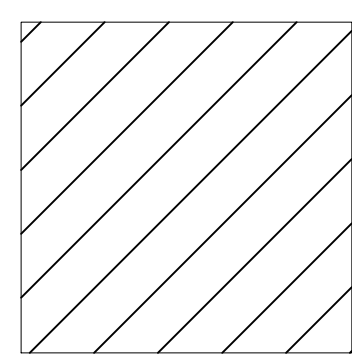
INTERIOR ASBESTOS (ACM's) REMOVAL PLAN



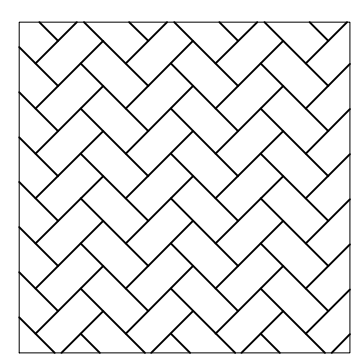
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CONTRACTOR TO  
REMOVE AND  
DISPOSE OF ACM  
BREACHING  
INSULATION



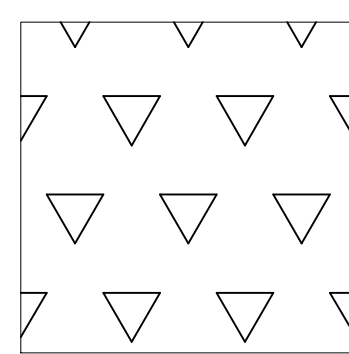
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REMOVE AND  
DISPOSE OF  
ACM PIPE  
INSULATION



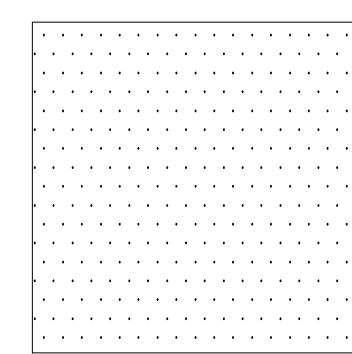
ABATEMENT  
CONTRACTOR TO  
REMOVE AND  
DISPOSE OF  
ACM MUDDED  
JOINT PACKING  
ON METAL  
FITTINGS



ABATEMENT  
CONTRACTOR TO  
REMOVE AND  
DISPOSE OF  
PACM ELECTRICAL  
COMPONENTS  
AND/OR WIRING  
INSULATION



ABATEMENT  
CONTRACTOR TO  
REMOVE AND  
DISPOSE OF  
PACM REFRACTORY  
BRICK AND/OR  
CEMENT



ABATEMENT  
CONTRACTOR TO  
REMOVE AND  
DISPOSE OF  
PACM BREACHING/  
CHIMNEY  
INSULATION



GENERAL NOTES:

1. ALL EXISTING INFORMATION SHOWN BASED ON AS-BUILT ROOF FRAMING DOCUMENTS. AS-BUILT ROOF FRAMING DOCUMENTS ARE NOT REFLECTIVE OF THE EXISTING ROOF FRAMING CONDITIONS.
2. DRAWING IS SCHEMATIC ONLY AS IS NOT TO BE USED AS A SCALED REPRESENTATION OF THE EXISTING SITE CONDITIONS.
3. ELECTRICAL MARK OUT AS PER ROCKLAND COUNTY HEALTH CENTER UTILITY PLOT PLAN - REVISION OF 2-1-83 DATED SEPTEMBER 1, 1984. MARK OUT OF EXISTING UTILITIES SHALL BE PERFORMED PRIOR TO CONSTRUCTION. NOTIFY E.O.U. IF EXISTING UTILITIES VARY FROM THOSE SHOWN ON PLAN.
4. TRANSFORMER SLAB REINFORCEMENT SHALL BE #4 @ 12" O.C.E.W., BOTTOM REINFORCEMENT.
5. SEE TYPICAL OPENING IN STRUCTURAL SLAB DETAIL ON F07.1 FOR REINFORCEMENT REQUIREMENTS AT SLAB OPENINGS.
6. CONNECTION OF TRANSFORMERS, FUEL TANK AND GENERATOR TO CONCRETE SLABS SHALL BE BY OTHERS.

[illegible]

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BUILDING E UTILITY PLANT  
RENOVATION & IMPROVEMENTS  
DR. ROBERT L. YEAGER HEALTH CENTER  
50 SANATORIUM ROAD,  
POMONA, NY 10970

DRAWING TITLE

FOUNDATION PLAN

SEAL	SCALE AS NOTED	PROJECT NO. NRCK0016.00
	DRAWN BY BL	DRAWING NO.
	CHECKED BY RZ	FO2.1
	DATE 04-28-2020	

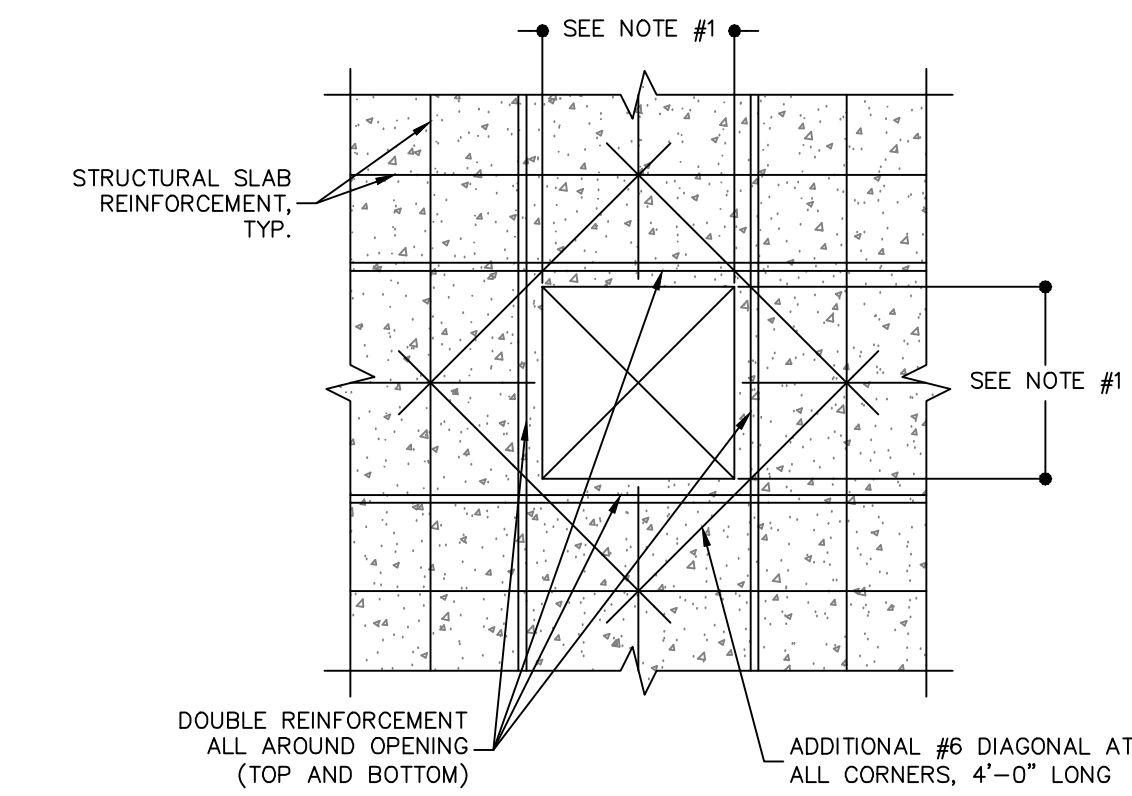


CAST-IN-PLACE CONCRETE AND REINFORCING NOTES:

1. ALL CONCRETE SHALL BE NORMAL WEIGHT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH,  $f'_c$ , OF 4000 PSI, U.N.O. ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES SHALL HAVE EX AIR-ENTRAINMENT (#138). CONCRETE MIX DESIGN(S) SHALL BE SUBMITTED TO E.O.R. FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF ANY CONCRETE ELEMENTS. CONCRETE STRENGTH FOR MIX DESIGN SHALL BE PER THE LATEST VERSION OF ACI 214S REQUIREMENTS. IF MULTIPLE MIX DESIGNS ARE TO BE PROVIDED, CONTRACTOR SHALL CLEARLY IDENTIFY THE LOCATIONS AND ELEMENTS THAT THE MIX PERTAINS TO.
2. ALL CONCRETE SHALL BE REINFORCED AND ERECTED IN ACCORDANCE WITH THE NYS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AS ADOPTED BY ACI 318 AND LOCAL CODES.
3. LOAD AND RESISTANCE FACTOR DESIGN (LRFD) WAS USED TO ANALYZE ALL CONCRETE COMPONENTS.
4. ALL CONCRETE WORK SHALL CONFORM TO ACI 301 STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE.
5. ALL CONCRETE SHALL USE PORTLAND CEMENT TYPE II. CONCRETE SHALL BE PROPORTIONED, BATCHED, AND MIXED BY METHOD 1 OR 11 OF THE NYS BUILDING CODE. SUBMIT MIX DESIGN AND COMPRESSION TEST RESULTS AS REQUIRED. CONCRETE SHALL CONFORM TO SPECIAL INSPECTION REQUIREMENTS.
6. ALL REINFORCING STEEL SHALL BE DEFORMED HIGH BOND BARS ROLLED FROM NEW BILLET OR INTERMEDIATE GRADE STEEL TO MEET LATEST ASTM SPECIFICATIONS 4-40S, GRADE 60.
7. SPLICES SHALL BE IN CONFORMANCE WITH ACI 318 AND SPLICE LENGTH TABLES SHOWN ON F07.1.
8. ALL DETAILS OF REINFORCEMENT AND ACCESSORIES SHALL BE FABRICATED AND PROVIDED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING.
9. FORMS SHALL NOT BE REMOVED PRIOR TO CONCRETE REACHING A MINIMUM OF 85% (SLABS AND BEAMS) OR 65% (WALLS AND COLUMNS) OF THE REQUIRED 28 DAY COMPRESSIVE STRENGTH,  $f'_c$ . ALL FORMWORK SHALL BE DESIGNED BY OTHERS IN ACCORDANCE WITH ACI 347.
10. BEFORE POURING CONCRETE, ANY REQUIRED PENETRATIONS SHALL BE SUBMITTED TO EOR FOR REVIEW AND APPROVAL.
11. THE LATEST VERSION OF ACI 308R SHALL BE FOLLOWED FOR HOT WEATHER CONCRETING AND THE LATEST VERSION OF ACI 306R SHALL BE FOLLOWED FOR COLD WEATHER CONCRETING WHEN APPLICABLE.
12. NONPRESTRESSED CAST-IN-PLACE CONCRETE MEMBERS SHALL HAVE SPECIFIED CONCRETE COVER FOR REINFORCEMENT AT LEAST THAT GIVEN IN FOLLOWING TABLE.

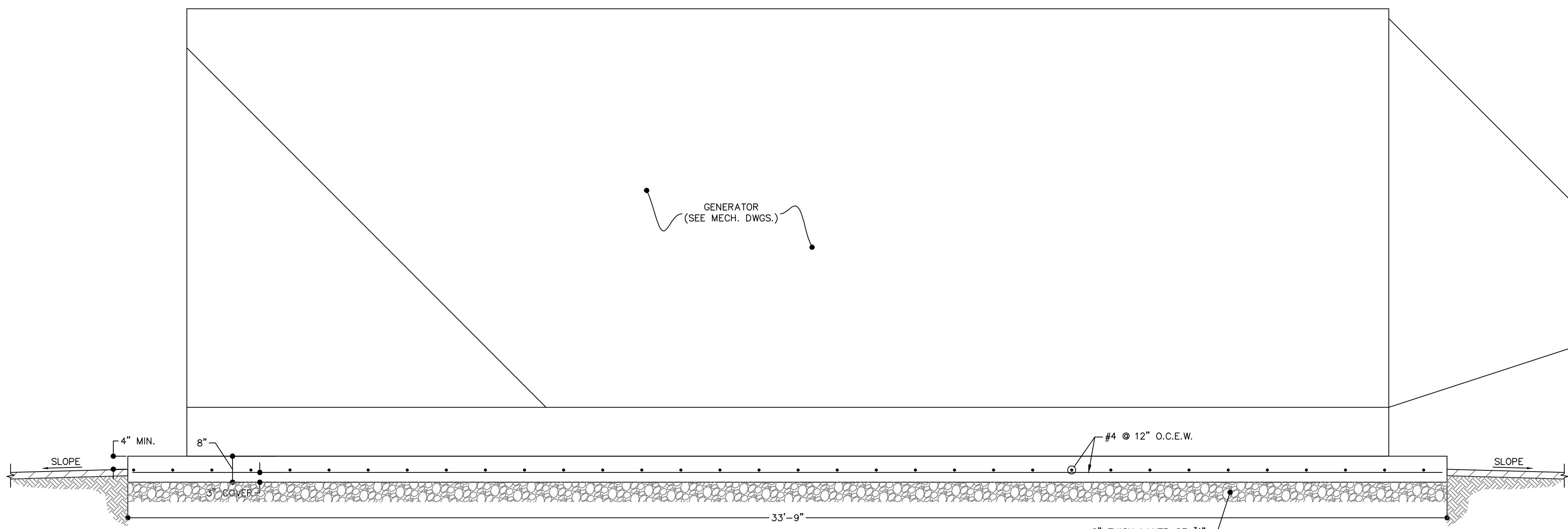
TABLE: SPECIFIED CONCRETE COVER FOR CAST-IN-PLACE NONPRESTRESSED CONCRETE MEMBERS

CONCRETE EXPOSURE	MEMBER	REINFORCEMENT	SPECIFIED COVER (INCH)
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
	ALL	#5 THROUGH #18 BARS	2
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	#5 BAR, W31 OR D31 WIRE, AND SMALLER	1½
	ALL	#14 AND #18 BARS	1½
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, JOISTS, AND WALLS	#11 BAR AND SMALLER	¾
	BEAMS, COLUMNS, PIERCEMENTS, AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1½



TYPICAL OPENING IN STRUCTURAL SLAB DETAIL  
N.T.S.

- NOTES:
1. SEE F02.1 FOR SLAB OPENING SIZE AND LOCATIONS. NOTIFY E.O.R. IF SITE CONDITIONS VARY FROM THOSE SHOWN ON PLAN.



SECTION B-B  
N.T.S.

TENSION DEVELOPMENT AND SPLICE LENGTH TABLE

PROPERTIES:  $f'_c = 4,000$  PSI  $f_y = 60$  KSI NORMAL WEIGHT CONCRETE

DEVELOPMENT LENGTH					SPLICE LENGTH				
BAR SIZE	UNCOATED BARS CASE 1 **		UNCOATED BARS CASE 2		BAR SIZE	UNCOATED BARS CASE 1 **		UNCOATED BARS CASE 2	
	"TOP" *	OTHER	"TOP" *	OTHER		"TOP" *	OTHER	"TOP" *	OTHER
#3	19"	15"	28"	22"	#3	24"	19"	36"	28"
#4	25"	19"	37"	29"	#4	32"	25"	48"	37"
#5	31"	24"	47"	36"	#5	40"	31"	60"	47"
#6	37"	29"	56"	43"	#6	48"	37"	72"	56"
#7	54"	42"	81"	63"	#7	70"	54"	106"	81"
#8	62"	48"	93"	71"	#8	80"	62"	121"	93"
#9	70"	54"	105"	81"	#9	91"	70"	136"	105"
#10	79"	61"	118"	91"	#10	102"	79"	153"	118"
#11	87"	67"	131"	101"	#11	113"	87"	170"	131"
#14	105"	81"	157"	121"	#14	MECHANICAL SPLICE REQUIRED			
#18	139"	107"	209"	161"	#18				

- \*\* "TOP" BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.  
\*\* THE FOLLOWING REQUIREMENTS MUST BE MET TO USE CASE 1 VALUES  
BAR COVER IS GREATER THAN THE BAR DIAMETER  
BAR SPACING IS AT LEAST 2X BAR DIAMETER (BEAMS AND COLUMNS)  
BAR SPACING IS AT LEAST 3X BAR DIAMETER (ALL OTHER BARS)

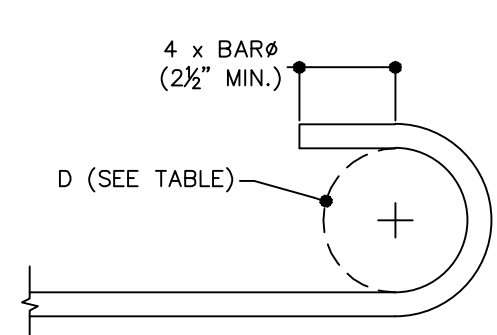
NOTES:

1. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPICE LENGTHS ARE CALCULATED PER ACI 318-14, SECTION 25.4.2 AND 25.5.2, RESPECTIVELY.
2. TABLE IS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
3. TABLE IS BASED ON 60KSI REINFORCEMENT. FOR 75KSI REINFORCEMENT, MULTIPLY THE TABULATED VALUES BY 1.25.
4. SPLICED BARS ARE PERMITTED TO BE SPACED AT A MAXIMUM OF THE LESSER OF 1/5 THE SPLICE LENGTH PROVIDED IN THE TABLE ABOVE OR 6" APART.

90° HOOKED REINFORCEMENT TABLE

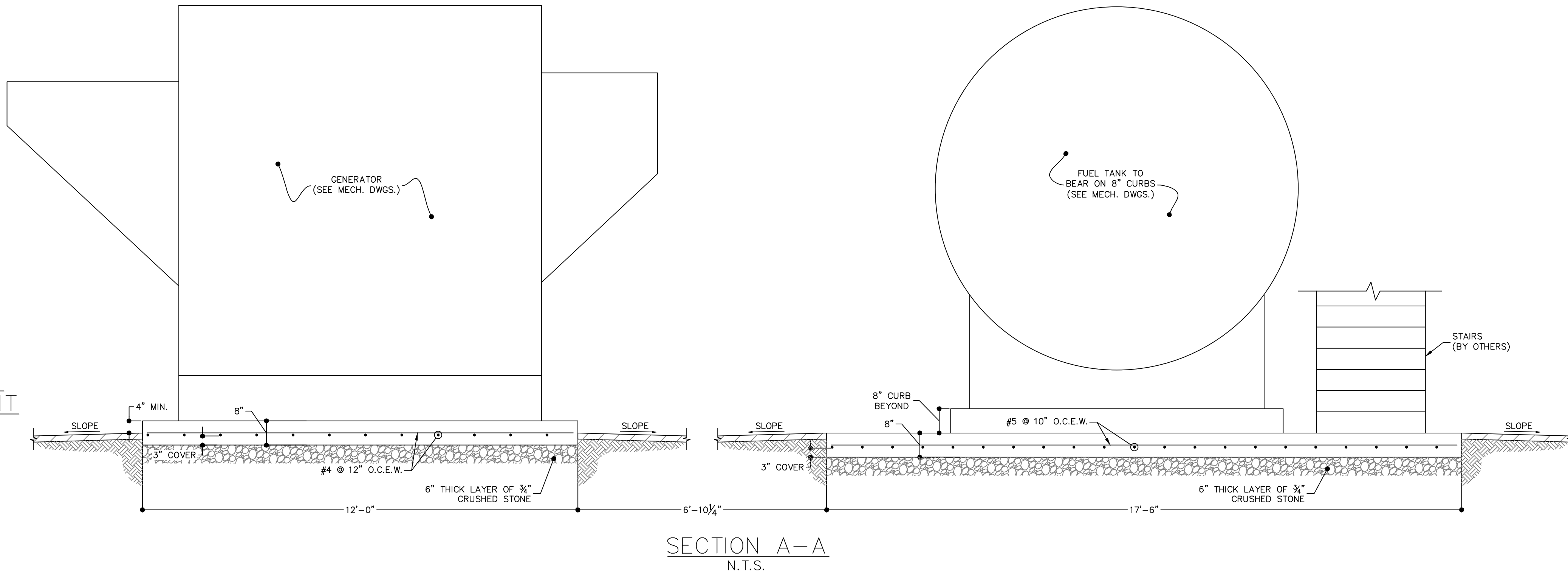
BAR SIZE	INSIDE BEND DIAMETER (D)	HOOK LENGTH (L)
#3	2X"	6"
#4	3"	8"
#5	3¾"	10"
#6	4½"	12"
#7	5¼"	14"
#8	6"	16"
#9	9½"	19"
#10	10¾"	22"

180° HOOKED REINFORCEMENT TABLE

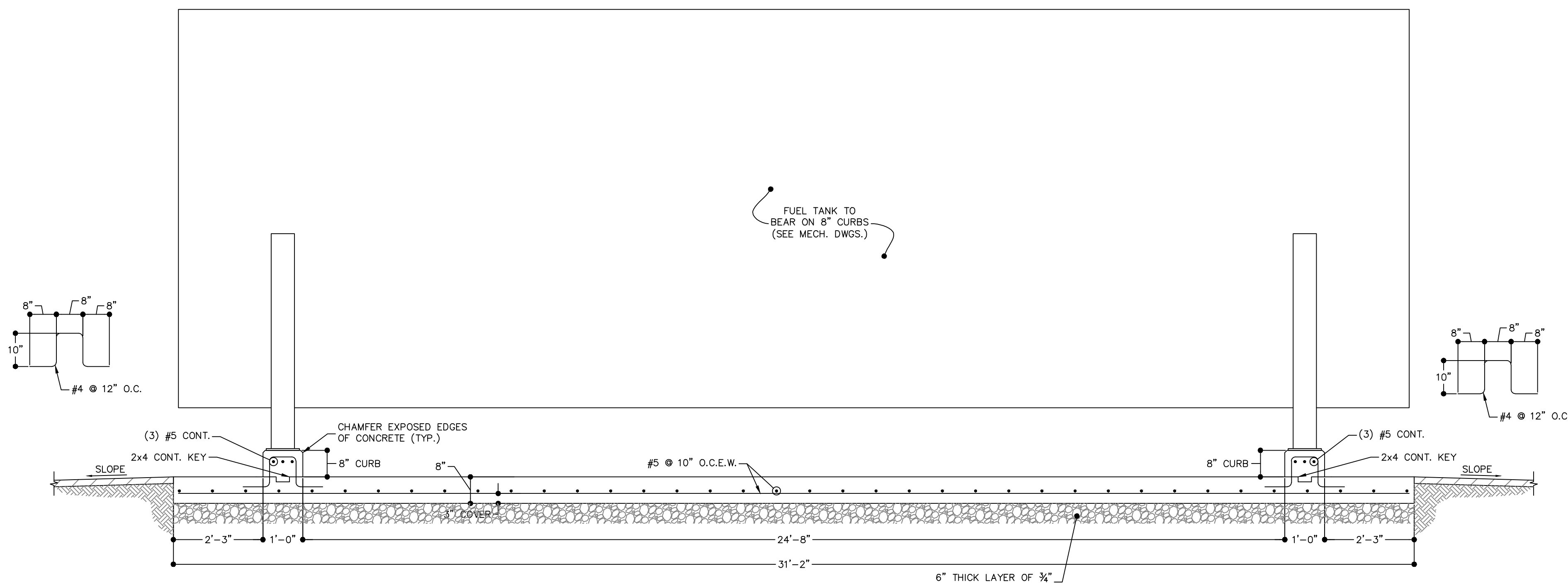


180° HOOKED REINFORCEMENT TABLE

BAR SIZE	INSIDE BEND DIAMETER (D)
#3	2X"
#4	3"
#5	3¾"
#6	4½"
#7	5¼"
#8	6"
#9	9½"
#10	10¾"



SECTION A-A  
N.T.S.



SECTION C-C  
N.T.S.

CLIENT



Facilities Management

Robert H. Gruffi, P.E., LEED AP

Director Facilities Management

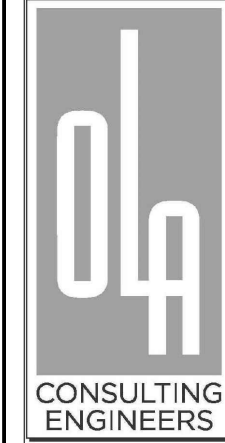
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ESTIMATING



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KEYPLAN

CAMPUS-KEYPLAN

NO.	DESCRIPTION	DATE
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PROJECT

CAPITAL PROJECT 4466

BUILDING E UTILITY PLANT

RENOVATION & IMPROVEMENTS

DR. ROBERT L. YEAGER HEALTH CENTER

50 SANATORIUM ROAD,

POMONA, NY 10970

DRAWING TITLE

FOUNDATION DETAILS

SEAL

SCALE AS NOTED

PROJECT NO. NRCK0016.00

DRAWN BY BL

DRAWING NO.

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DATE 04-28-2020

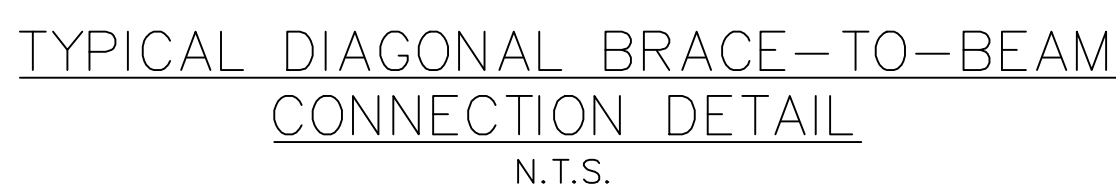
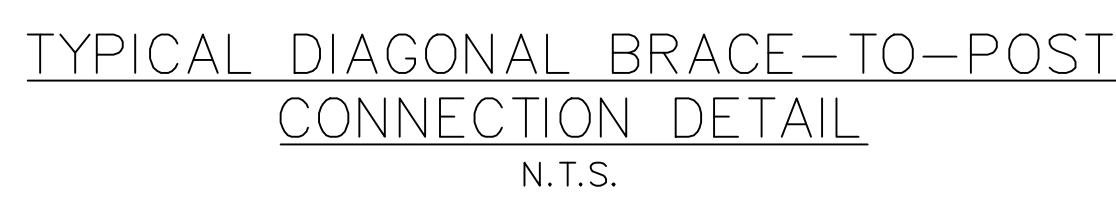
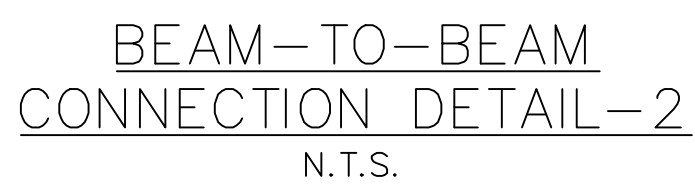
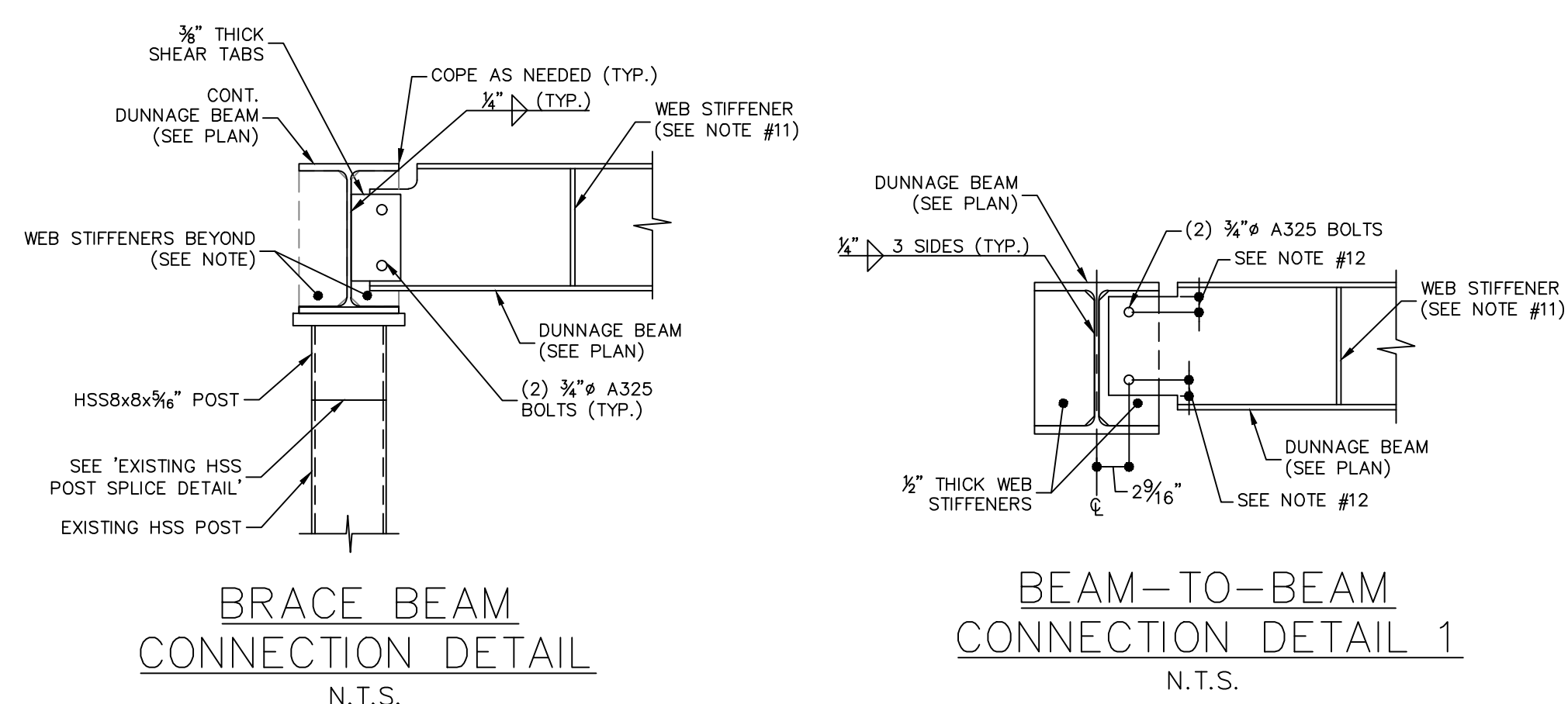
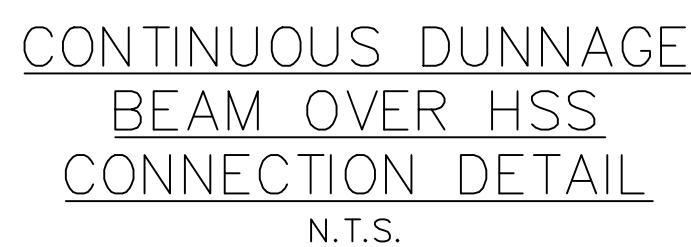
F07.1







1. ALL STRUCTURAL STEEL, EXCEPT RECTANGULAR AND SQUARE COLUMNS TO BE ASTM A992 GRADE 50 (Fy = 50KSI), RECTANGULAR AND SQUARE STEEL COLUMNS TO BE ASTM A500 GR.B. MISCELLANEOUS PLATES AND ANGLES TO BE A36, U.N.O. STEEL TO BE FABRICATED, DETAILED, AND ERECTED IN ACCORDANCE WITH LATEST A.I.S.C. CODES.
2. ALL STEEL EXPOSED TO WEATHER SHALL BE COATED WITH ANTI-CORROSIVE PAINT.
3. ALL WELDS SHALL BE WELDED TO THE FULL PENETRATION WELDING METHOD, U.N.O. INSTALLED BY TURN-OF-NUT METHOD OR A CALIBRATED TORQUE WRENCH. ALL BOLTS TO BE 3/4" U.N.O.
4. ALL WELDS AND ALL WELDERS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED IN THE U.S. STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION.
5. ALL BEAMS, CHANNEL STEEL, SHOP DRAWINGS TO C.O.R. FOR REVIEW AND APPROVAL, SHOP DRAWINGS SHALL INCLUDE, BUT NOT LIMITED TO, BEAMS, COLUMNS, PLATES, ANGLES, CHANNELS, ANCHOR BOLTS, AND CONNECTIONS.
6. ALL WELDING SHALL BE IN ACCORDANCE WITH AISC 360-16, SECTION 11. ALL WELDING AND WELDING SYMBOLS ON DRAWINGS SHALL CONFORM TO U.S.A. STANDARD CODE FOR WELDING BUILDING CONSTRUCTION.
7. ALL STEEL SHALL BE HOT FORMED IN BEAM FLEXURE U.N.O.
8. ALL STEEL OTHER THAN JOISTS AND STANDARD BRIDGING TO BE PROVIDED BY THE STEEL FABRICATOR.
9. ALL WELDS SHALL BE WELDED TO THE FULL PENETRATION WELDING METHOD, U.N.O. INSTALLED BY TURN-OF-NUT METHOD OR A CALIBRATED TORQUE WRENCH. ALL BOLTS TO BE 3/4" U.N.O.
10. THE OWNER SHALL PERFORM A MAINTENANCE PROGRAM TO PROTECT THE STRUCTURE AGAINST WATER PENETRATION AND CORROSION.
11. ALL DONNAGE BEAMS SHALL HAVE 3/8" WEB STIFFENERS AT 4'-0" ON CENTER, U.N.O. SEE TYPICAL WEB STIFFENER WELDING DETAIL FOR CONNECTION REQUIREMENTS.



TYPICAL WEB STIFFENER  
WELDING DETAIL  
(W6 TO W14)  
N.T.S.

- NOTES:  
1. "NS" = NEAR SIDE. "FS" = FAR SIDE.  
2. STIFFENER WELD SIZE IS SUBJECT TO MINIMUM AND MAXIMUM ALLOWABLE THICKNESS REQUIREMENTS AS PER LATEST AISC MANUAL. STEEL DETAILER TO COORDINATE.



- NOTES:
1. SPLICE CONNECTIONS ARE SUBJECT TO CHANGE DURING SHOP DRAWING REVIEW.
  2. G.C. TO VERIFY LENGTH OF NEW HSS POST SUCH THAT TOP OF DUNNAGE BEAMS ARE 4'-6" ABOVE ROOF LEVEL.



REPORTING PROCEDURE:

1. REMOVE OLD MORTAR TO A DEPTH OF 3/8" TO 1/2" ON UNTIL SOUND MORTAR IS REACHED; DO NOT REMOVE MORTAR IN JOINTS THAT REMAINS AS SHOWN ON STEP-1. IN WHICH THE MORTAR HAS BEEN CUT BACK TO A UNIFORM DEPTH.
2. BRUSH AWAY ALL DUST AND LOOSE PARTICLES FROM SURFACES OF OLD MORTAR.
3. UTILIZE PREHYDRATED MORTAR (750 PSI MAX) TO REDUCE SHRINKAGE MIX IN THE PROPER ADITIVE. IF ANY, TO BE USED BY THE CONTRACTOR.
4. DAMPENEN THE JOINTS TO BE REPOINTED, TO MAKE SURE THE NEW MORTAR MAKES A GOOD BOND.
5. FORCE THE NEW MORTAR INTO JOINTS IN LAYERS X, THICK OR LESS TO REDUCE AIRPOCKETS AND VOIDES, AS SHOWN IN STEP-2.
6. COVER THE NEW MORTAR WITH HARD BOARD SHEETING TO PROTECT IT FROM DRYING OUT TOO FAST AND TO KEEP IT SAME WET FOR NEW CONSTRUCTION.
7. MORTAR TAPS SHOULD BE BRUSHED OFF AFTER THE MORTAR IS DRY, TO REDUCE SMearing, CLEANING AND DISINTEGRATION OF THE MORTAR.
8. ALL DELAMINATING/DISINTEGRATING BRICKS SHALL BE REPLACED WITH NEW BRICKS.



- NOTES:
1. AT LOCATIONS WHERE MASONRY IS DAMAGED OR MISSING, REMOVE AND REPLACE MASONRY AND MORTAR, WORKING IN SMALL LOCATIONS.



TYPICAL GRADE BEARING  
AND SHELF CONNECTION  
DETAIL  
N.T.S.

- NOTE: ONE SIDE OF GRATING SHALL BE MECHANICALLY FASTENED TO SHELF (SEE MANUFACTURER'S LITERATURE FOR REQUIREMENTS), WHILE OTHER SIDE SHALL BE FREE TO DISPLACE Laterally.



- NOTE:  
SEE MECHANICAL DRAWINGS FOR ELEVATION AND ATTACHMENT OF WT LINTEL  
AND GALVANIZED LOOSE LINTEL TO INFILL CMU AND BRICK RESPECTIVELY.



DUNNAGE LADDER FRAMING  
DETAILS  
N.T.S.

- NOTE:**  
VERIFY ALL LADDER ASSEMBLY DIMENSIONS AND ATTACHMENT REQUIREMENTS  
WITH MANUFACTURER'S LITERATURE.

**MEP ENGINEER**

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## STRUCTURAL ENGINEER



## ASBESTOS ABATEMENT



## ESTIMATING



**KEYPLAN**

## CAMPUS - KEYPLAN

1	ISSUED FOR BID	11/01/2021
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## PROJECT

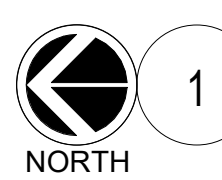
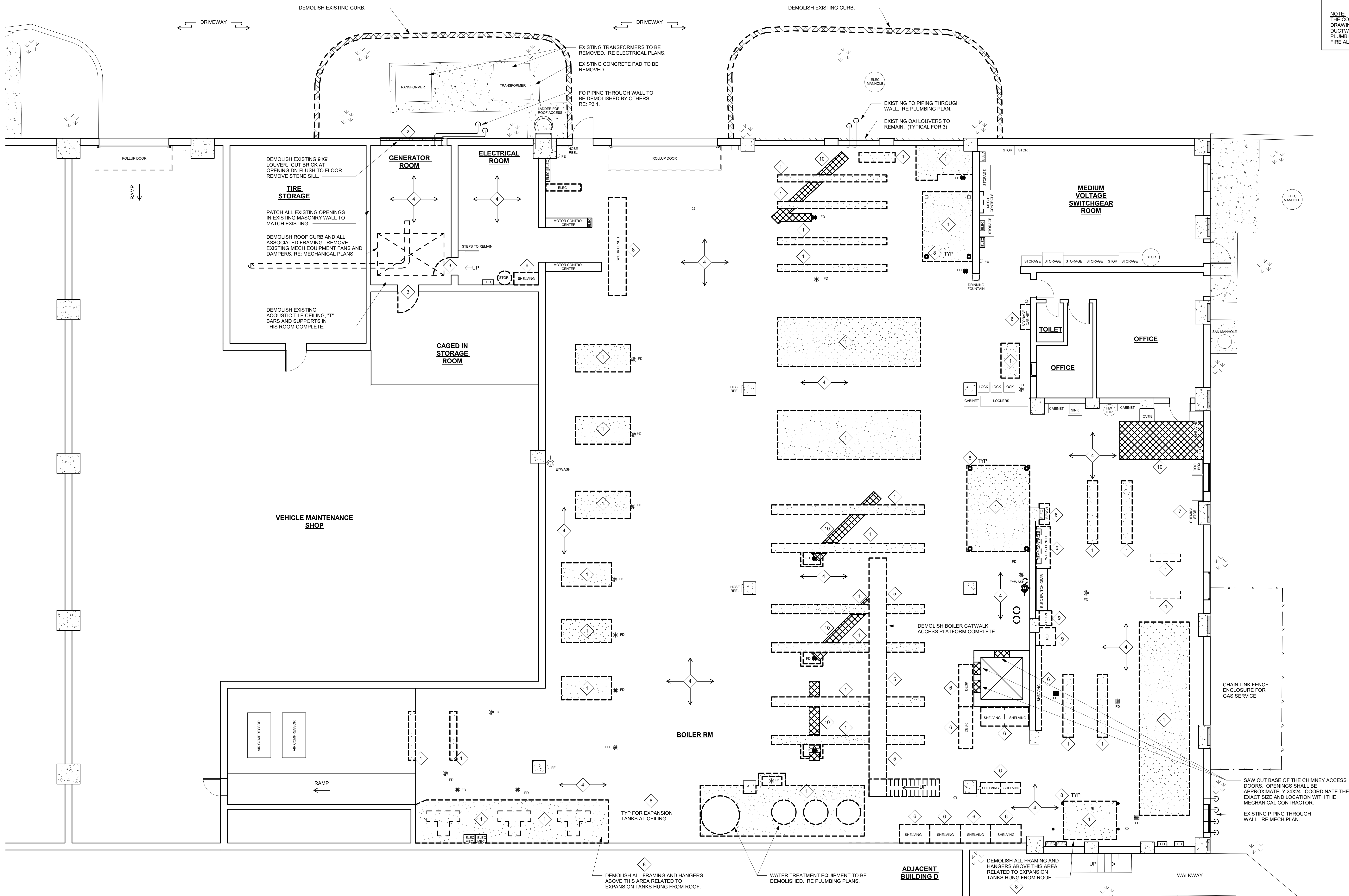
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	DATE 04-28-2020	





# GENERAL CONSTRUCTION - DEMOLITION FLOOR PLAN

SCALE: 3/16" = 1'-0"

## GEN. CONSTRUCTION DEM. NOTES

- DEMOLISH ALL EXISTING EQUIPMENT CONCRETE HOUSEKEEPING PADS AND SUPPORTS COMPLETE. PATCH FLOOR TO MATCH EXISTING. TRAWL FLOOR SMOOTH TO MATCH EXISTING.
- DEMOLISH EXISTING LOUVER FRAME ASSEMBLY, MOTORIZED DAMPER, AND ACTUATOR ASSEMBLY. TRAWL SURFACE SMOOTH.
- DEMOLISH EXISTING DOOR INCLUDING FRAME AND HARDWARE.
- DEMOLISH ALL ABANDONED STEEL HANGERS AND SUPPORTS FROM STRUCTURAL MEMBERS. REMOVE ALL ABANDONED PIPING, CONDUIT AND WIRES THROUGH FLOORS, WALLS AND ROOF. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL PLANS.
- DEMOLISH EXISTING MAINTENANCE STAIR & PLATFORM AND DISPOSE.
- REMOVE & STORE & RELOCATE EXISTING FIXED SHELVING, WORKBENCHES, CABINETS & LOCKERS. ALL ITEMS SHALL BE STORED AND RETURNED TO A NEW LOCATION. COORDINATE WITH NEW MECHANICAL AND ELECTRICAL EQUIPMENT. ALL OTHER PORTABLE EQUIPMENT SUCH AS TROLLEYS, ROLLING WORK BENCHES, LOOSE MATERIALS ETC. SHALL BE RELOCATED WITHIN THE BOILER ROOM FOR CONVENIENCE AND SHALL BE COORDINATED WITH THE LOCAL MAINTENANCE STAFF.
- REMOVE & STORE EXISTING FLAMMABLE STORAGE CABINET. PATCH WALL WHERE VENT PENETRATES TO THE EXTERIOR. PROVIDE ADEQUATE VENTILATION IN TEMPORARY STORAGE LOCATION.
- DEMOLISH ALL EXISTING STEEL STRUCTURAL SUPPORTS FOR EXPANSION TANKS, BOILER FEED TANKS ETC. ALL SUPPLEMENTAL STRUCTURAL STEEL SHALL BE REMOVED.
- RELOCATE EXISTING REFRIGERATOR AND FREEZER. COORDINATE NEW LOCATION WITH LOCAL MAINTENANCE STAFF.
- SAW CUT FLOOR FOR THE REMOVAL OF UNDER FLOOR SAN PIPING AND THE INSTALLATION OF NEW PIPING. PROVIDE TRENCHING BEDDING AND BACK FILL. PATCH FLOOR TO MATCH EXISTING CONCRETE. AREAS SHOWN ARE FOR GENERAL REFERENCE. REFER TO PLUMBING PLANS. FIELD VERIFY AND COORDINATE WITH PLUMBING CONTRACTOR THE EXACT LOCATION AND SIZE.
- THE CONTRACTORS SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, DIFFUSERS, GRILLES, ETC.

NOTE:  
THE CONTRACTS SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES INDICATING ALL DUCTWORK, MECHANICAL EQUIPMENT, PIPING, ELECTRICAL EQUIPMENT, PLUMBING PIPING AND EQUIPMENT, LIGHTS, CONDUITS, DIFFUSERS, GRILLES AND FIRE ALARM DEVICES.



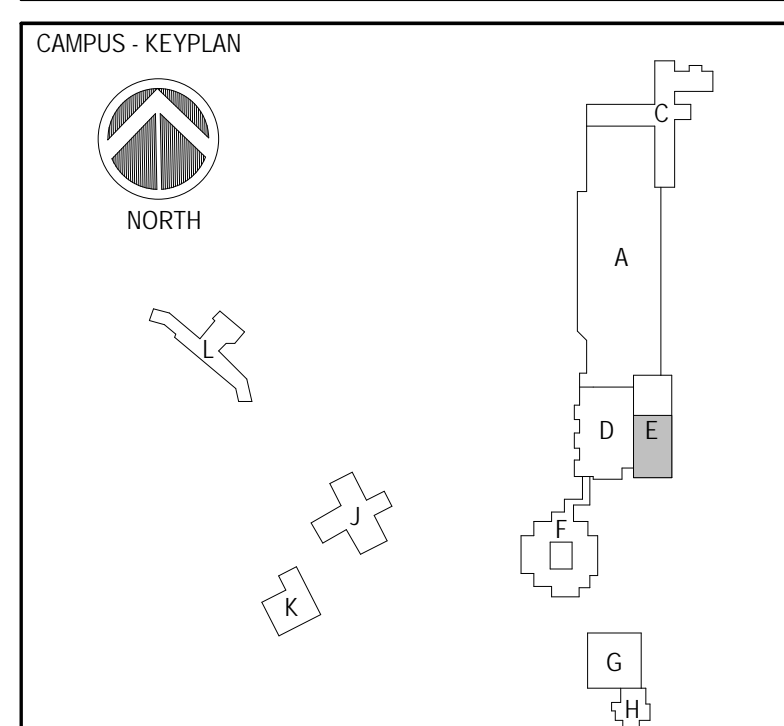
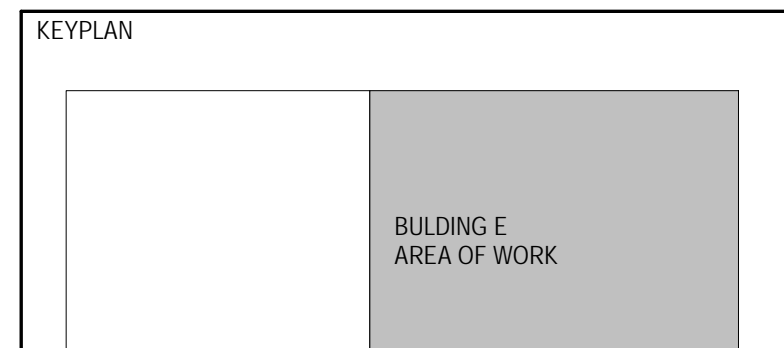
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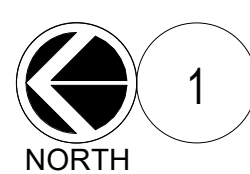
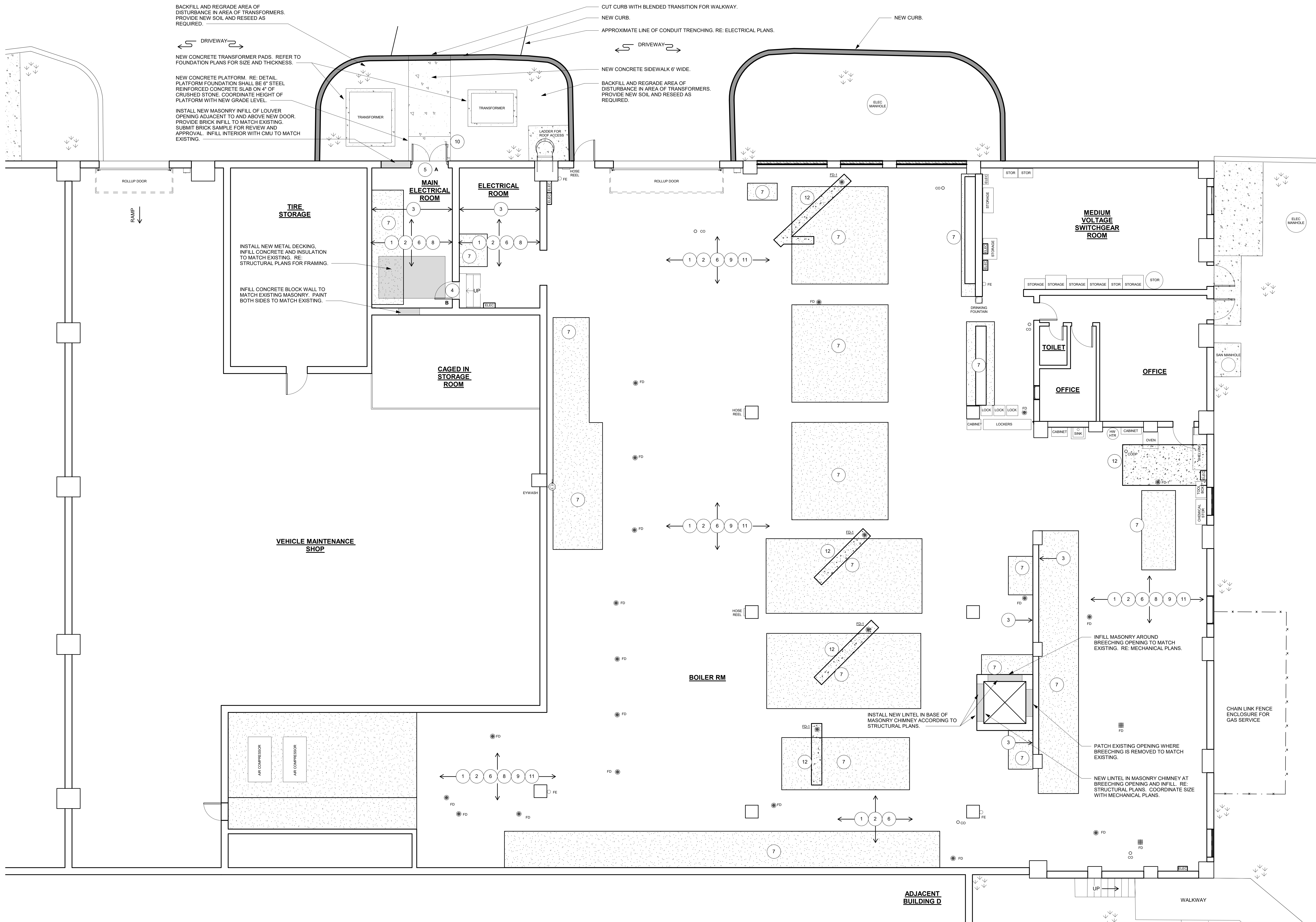
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PROJECT  
CAPITAL PROJECT 4466  
BUILDING E UTILITY PLANT  
RENOVATION & IMPROVEMENTS  
DR. ROBERT L. YEAGER HEALTH CENTER  
50 SANATORIUM ROAD,  
POMONA, NY 10970

## GENERAL CONSTRUCTION DEMOLITION FLOOR PLAN

SEAL  
SCALE  
3/16" = 1'-0"  
DRAWN BY  
NW  
CHECKED BY  
RS  
DATE  
04-28-2020  
PROJECT NO.  
NRCK0016.00  
DRAWING NO.  
GC1.1





# GENERAL CONSTRUCTION - NEW WORK PLAN

SCALE: 3/16" = 1'-0"

## GEN. CONSTRUCTION NOTES

- POWER WASHING: POWER WASH WALL & FLOORS IN PREPARATION OF NEW PAINTING AND PATCHING. MECHANICALLY CLEAN FLOORS BY REMOVING LOOSE PAINT, DIRT, OIL AND DEBRIS. ALL EXISTING EQUIPMENT, PANELS, ELECTRONICS AND INSULATION MUST BE PROTECTED AND MADE WATER TIGHT PRIOR TO CLEANING.
- PAINTING: PAINT ALL FLOORS AND CONCRETE HOUSEKEEPING PADS IN ALL ROOMS. FLOOR SHALL BE PRIMED AND PAINTED WITH GRAY URETHANE ALKID ENAMEL. ALL NEW AND EXISTING EQUIPMENT PADS TO REMAIN. SHALL BE PRIMED AND PAINTED WITH BRIGHT YELLOW URETHANE ALKID ENAMEL. PAINT SHALL BE SHERWIN-WILLIAMS OR BENJAMIN MOORE. SUBMIT PRODUCT SPECIFICATION TO ENGINEER FOR REVIEW AND APPROVAL.
- PIPE AND CONDUIT FIRE STOPPING: PATCH WALL TO MATCH EXISTING CONSTRUCTION WHEREVER PIPING OR CONDUIT HAS BEEN DEMOLISHED. COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION PLANS. PATCH EXISTING WALLS AND CEILING WITH BASF GEL PATCH LIGHTWEIGHT, HIGH STRENGTH CONCRETE REPAIR. PATCH ALL HOLES AND OPENINGS FULL DEPTH. FILL ALL SMALL SURFACE DAMAGE WHERE HANGERS, PIPES OR CONDUITS HAVE BEEN REMOVED. FOR LARGE APPLICATIONS, USE BASF 10-60 RAPID SETTING CONCRETE REPAIR MORTAR. PREPARE SURFACES AND INSTALL PATCHING MATERIAL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- NEW 2 HOUR RATED DOOR FRAME AND HARDWARE. RE: DOOR "B" IN DOOR SCHEDULE.
- NEW 2 HOUR RATED DOOR FRAME AND HARDWARE. RE: DOOR "A" IN DOOR SCHEDULE.
- FIRE PROOFING: ALL EXISTING STRUCTURAL STEEL CEILING BEAMS THAT HAVE BEEN EXPOSED, WHERE CONCRETE HAS BEEN REMOVED OR IS LOOSE, SHALL BE FIRE PROOFED. REMOVE ANY LOOSE COVERING AND RUST ON STEEL. APPLY 1-1/2" OF FRACE MONOKOTE TYPE 2140 HIGH DENSITY CEMENTITIOUS FIRE PROOFING. USE FIRE BOND BONDING AGENT. PREP EXISTING STEEL AND CONCRETE AS PER THE MANUFACTURER'S SPECIFICATIONS.
- NEW 6" CONCRETE HOUSEKEEPING PAD. COORDINATE EXACT LOCATION AND SIZE WITH MECHANICAL PLANS SUCH THAT PAD IS 6" LONGER AND WIDER THAN UNIT FOOTPRINT.
- ALL EXISTING STEEL ROOF TRUSSING INCLUDING EXPOSED COLUMNS, CROSS MEMBERS AND DECKING SHALL BE FIRE PROOFED WITH SPRAY ON FIRE RESISTIVE MATERIAL. ALL MATERIALS SHALL MEET ASTM 119, ASTM E708, E808. CLEAN AND PREPARE ALL SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. FIRE PROOFING SHALL BE PERFORMED BEFORE NEW EQUIPMENT IS INSTALLED. PROTECT ALL EXISTING EQUIPMENT, DOORS, WINDOWS, WALLS AND FLOORS. THE PRODUCT SHALL BE "STANDARD" DENSITY AND SHALL HAVE A RATING OF 2 HOURS WHEN APPLIED TO UNRESTRAINED STRUCTURAL ELEMENTS. PRODUCT SHALL BE SIMILAR TO ISOLATEK TYPE HP AND CAFCO 400.
- PAINT WALLS & COLUMNS WHITE FROM FLOOR TO CEILING. PRIME ALL PATCHED OR IN FILLED AREAS. PAINT WITH SATU URETHANE ALKID ENAMEL. PAINT SHALL BE SHERWIN WILLIAMS OR BENJAMIN MOORE. SUBMIT PRODUCT SPECIFICATION TO ENGINEER FOR REVIEW AND APPROVAL.
- PRECAST CONCRETE STEPS AS MANUFACTURED BY SHEA CONCRETE PRODUCTS. MANUFACTURED WITH 4,000 PSI CONCRETE. TREADS AND PLATFORM SHALL BE BROOM FINISH. WIDTH SHALL BE 7". RISERS SHALL BE 7" or 7-1/2" COORDINATE IN FIELD. TREADS SHALL BE 12" DEEP.
- PATCH EXISTING SPALLING CONCRETE ON CEILINGS, WALLS, AND FLOORS WITH HIGH STRENGTH CONCRETE REPAIR MORTAR. PATCH ALL HOLES AND OPENINGS FULL DEPTH. PREPARE SURFACES AND INSTALL PATCHING MATERIAL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- PROVIDE BACKFILL AND BEDDING FOR PLUMBING PIPING. PATCH FLOORS AS REQUIRED TO MATCH EXISTING. AREAS SHOWN ARE GENERAL AND FOR REFERENCE. REFER TO PLUMBING PLANS AND COORDINATE EXACT SIZE AND LOCATION IN FIELD.

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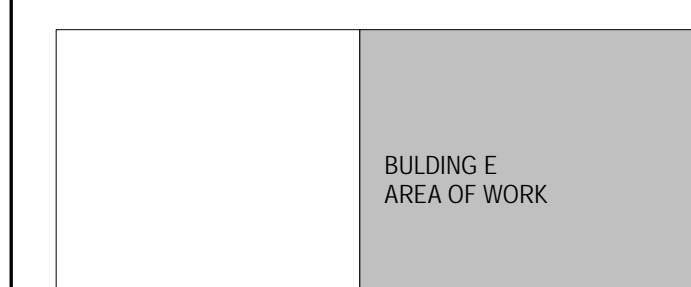
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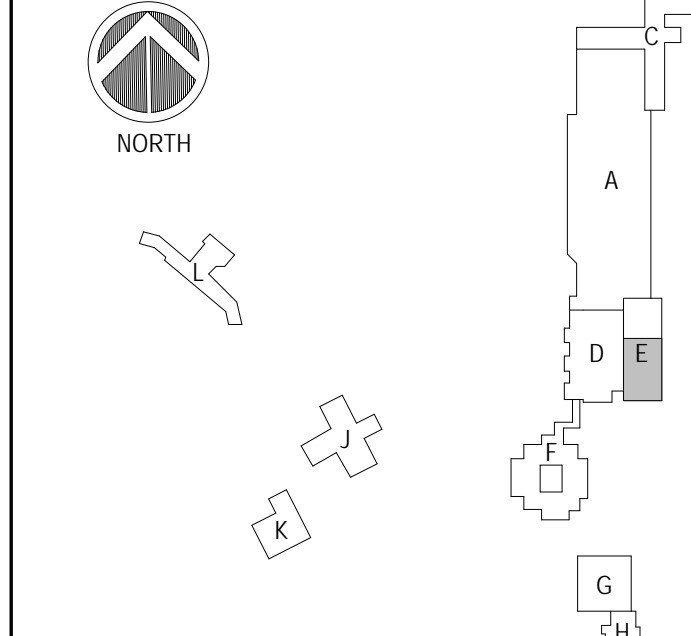
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KEYPLAN



CAMPUS KEYPLAN



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POMONA, NY 10970

DRAWING TITLE

**GENERAL CONSTRUCTION  
NEW WORK FLOOR PLAN**

SEAL

SCALE  
3/16" = 1'-0"  
DRAWN BY  
NW  
CHECKED BY  
RS  
DATE  
04-28-2020  
PROJECT NO.  
NRCK0016.00  
DRAWING NO.  
**GC2.1**



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KEYPLAN

BUILDING E  
AREA OF WORK

CAMPUS KEYPLAN

NORTH

A  
B  
C  
D  
E  
F  
G

NO.	DESCRIPTION	DATE
1	ISSUED FOR BID	11/01/2021

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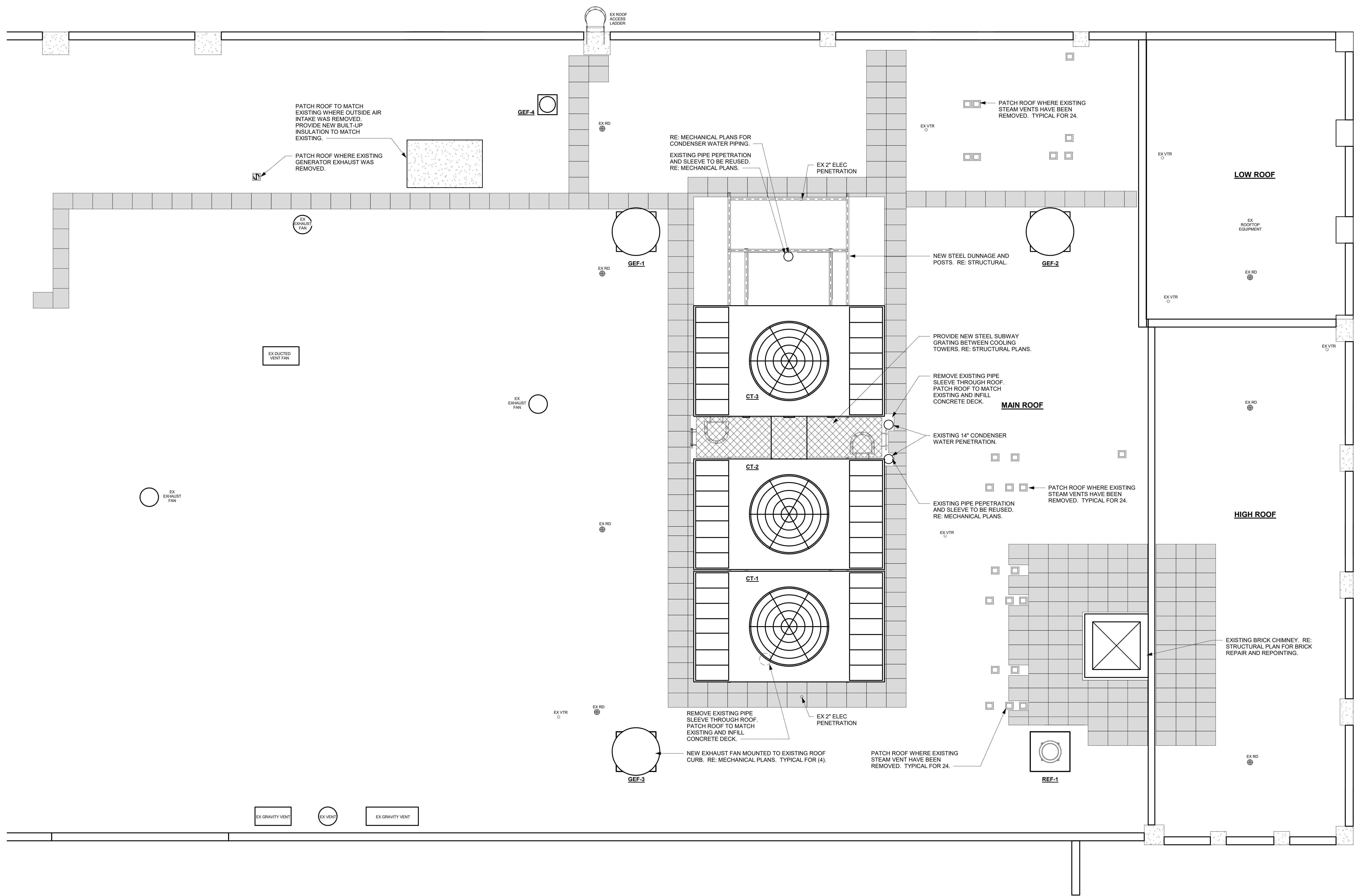
PROJECT

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POMONA, NY 10970

DRAWING TITLE

**GENERAL CONSTRUCTION  
NEW WORK ROOF PLAN**

SEAL	SCALE 3/16" = 1'-0"	PROJECT NO. NRCK0016.00
DRAWN BY NW	DRAWING NO.	
CHECKED BY RS		
DATE 04-28-2020		<b>GC2.2</b>



**GENERAL CONSTRUCTION - NEW WORK ROOF PLAN**  
SCALE: 3/16" = 1'-0"

- NOTES:
- THE ROOF SHALL BE PROTECTED DURING ALL PHASES OF WORK. PROVIDE PLYWOOD SHEET LAYED END-TO-END IN ALL AREAS OF WORK. DO NOT STORE MATERIALS ON ROOF.
  - ALL ROOF WORK SHALL BE PERFORMED BY THE BONDED ROOFING CONTRACTOR.
  - AT ALL LOCATIONS WHERE PIPE AND/OR EQUIPMENT IS TO BE REMOVED THE CONTRACTOR SHALL PATCH THE METAL DECK, INFILL CONCRETE, INFILL INSULATION, AND PATCH THE ROOF TO MATCH EXISTING. ALL MATERIAL SHALL MATCH THE EXISTING IN THICKNESS.



IT IS THE INTENT OF THIS PROJECT TO REPLACE THE EXISTING HEATING AND COOLING PLANT, STAND-BY POWER GENERATOR SYSTEM, THE ELECTRICAL DISTRIBUTION EQUIPMENT, PLANT AREA LIGHTING SYSTEMS AND FIRE ALARM SYSTEMS. THESE SYSTEMS SHALL BE REPLACED IN TOTALITY.

THIS WORK SHALL TAKE PLACE IN A PHASED APPROACH THAT WILL ALLOW UNINTERRUPTED HEATING / COOLING AND POWER TO ALL THE BUILDINGS AND EQUIPMENT. THE CONTRACT DOCUMENTS INDICATE THE SEQUENCE OF WORK AND THE PHASING OF THE WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL PHASING OF WORK INCLUDING ALL NECESSARY LABOR AND MATERIALS, TEMPORARY WORK, PUMP FEEDERS AND EQUIPMENT IN ORDER TO PROPERLY PHASE THE WORK AND MEET THE DESIGN INTENT.

THE SCOPE OF WORK SHALL INCLUDE TEMPORARY SERVICES. THE CONTRACTOR SHALL PROCURE AND MAINTAIN AND CHARGE FUEL AND LONG AS IS NECESSARY IN ORDER TO PROVIDE TEMPORARY HOT WATER AND CHILLED WATER. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER FOR EQUIPMENT INCLUDING GENERATORS FOR POWER AND ALL FUEL REQUIRED. PROVIDE TEMPORARY PIPING CONNECTIONS AND MODIFICATIONS TO EXISTING PIPING SYSTEMS. PROVIDE TEMPORARY PUMPS AND PUMP FEEDERS TO EXISTING PIPING SYSTEMS. PROVIDE TEMPORARY INTEGRATION OF TEMPORARY AND NEW SYSTEMS TO INSURE THAT THE BUILDINGS ARE CONTINUALLY SERVED WITH HOT WATER OR CHILLED WATER.

IN GENERAL, IT WILL BE NECESSARY TO DEMOLISH ALL ABANDONED MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT PIPING AND CONDUITS IN THE MAIN PLANT AND IN THE ORIGINAL PLANT TO MAKE SPACE FOR NEW EQUIPMENT. THE INTENT IS TO INSTALL THE NEW CHILLER AND BOILER PLANT AND NEW PUMPS AND PUMP FEEDERS. REMOVE EXISTING PIPING AND PUMP FEEDER ITEMS SUCH AS PUMPS, COOLING TOWERS BREECING, COMBUSTION AIR DAMPERS, FUEL OIL PIPING, GAS PIPING, OIL PUMPS, POWER, AND CONTROLS SO THAT THE NEW PLANT IS FULLY FUNCTIONAL BEFORE REMOVAL OF THE TEMPORARY HEATING AND COOLING EQUIPMENT. THE EXISTING BUILDINGS AND EQUIPMENT SHALL REMAIN OPERATIONAL THROUGHOUT THE PIPING AND TEMPORARY HEATING/COOLING PLANT UNTIL SUCH TIME AS THE PLANT IS OPERATIONAL.

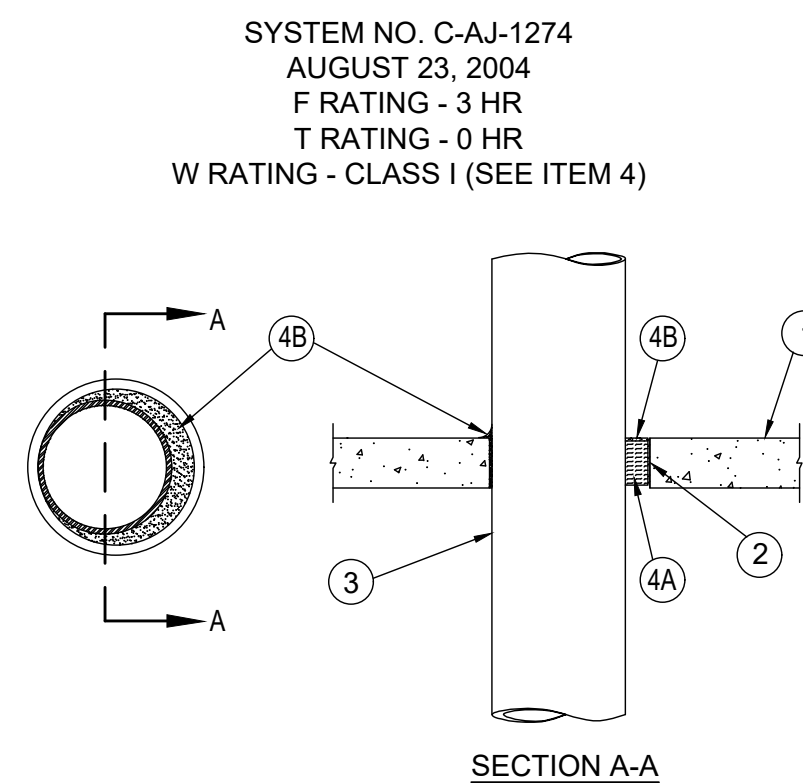
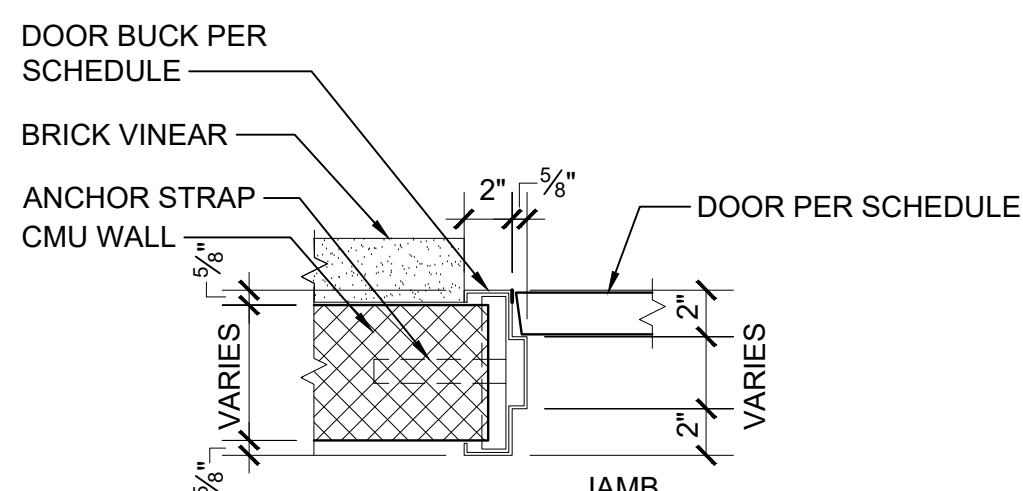
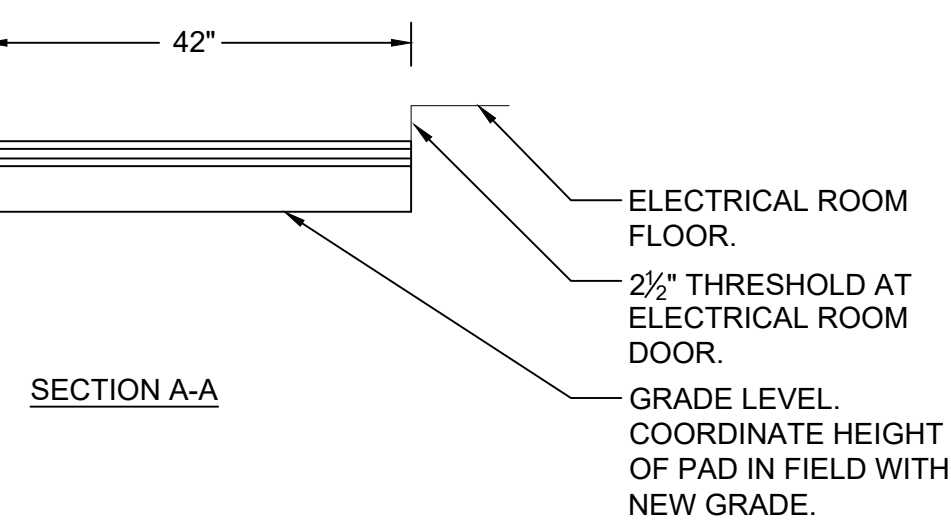
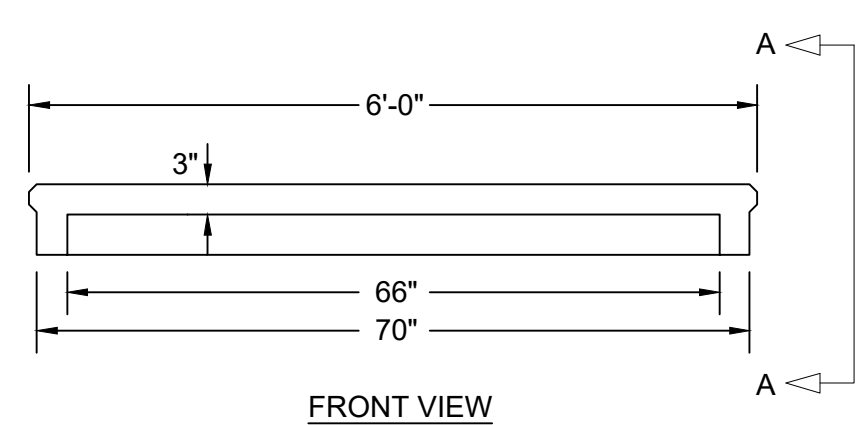
WHEN THE NEW HEATING/COOLING PLANT IS OPERATIONAL, INCLUDING SECONDARY PUMPS AND CONTROLS, EACH BUILDING'S SECONDARY PIPING SYSTEM CAN BE CONNECTED TO THE NEW SECONDARY PIPING SYSTEMS AND PUMP SETS SO AS TO CAUSE THE MINIMUM OF SYSTEM DOWN TIME. REMOVE EXISTING PUMPS AND PUMP FEEDERS AND CONNECT TO THEIR NEW SECONDARY PUMP SETS AND THEN NEW PLANT DEMOLITION OF THE REMAINING EXISTING PUMPS, POWER AND CONTROLS CAN BEGIN.

WHEN DEMOLITION OF THE EXISTING ABANDONED EQUIPMENT IS COMPLETE THE NEW DOMESTIC WATER HEATING SYSTEM SHALL BE CONSTRUCTED ALONG WITH MODIFICATIONS TO THE DOMESTIC WATER DISTRIBUTION SYSTEM. WHEN THE NEW DOMESTIC WATER HEATING SYSTEM HAS BEEN CONSTRUCTED AND IS FULLY FUNCTIONAL, THE EXISTING DOMESTIC WATER HEATING SYSTEM SHALL BE DEMOLISHED.

IN SUPPORT OF THE PROJECT'S MECHANICAL, PLUMBING AND ELECTRICAL WORK THERE IS A CERTAIN AMOUNT OF GENERAL CONSTRUCTION THAT IS REQUIRED. THIS WORK SHALL BE PHASED AS NECESSARY IN ORDER TO FACILITATE THE CONSTRUCTION OF NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK. THIS WORK SHALL INCLUDE SITE WORK AND RESTORATION AS WELL AS CUTTING, PATCHING, PAINTING, CONCRETE, FIRE STOPPING, DOORS AND HARDWARE.

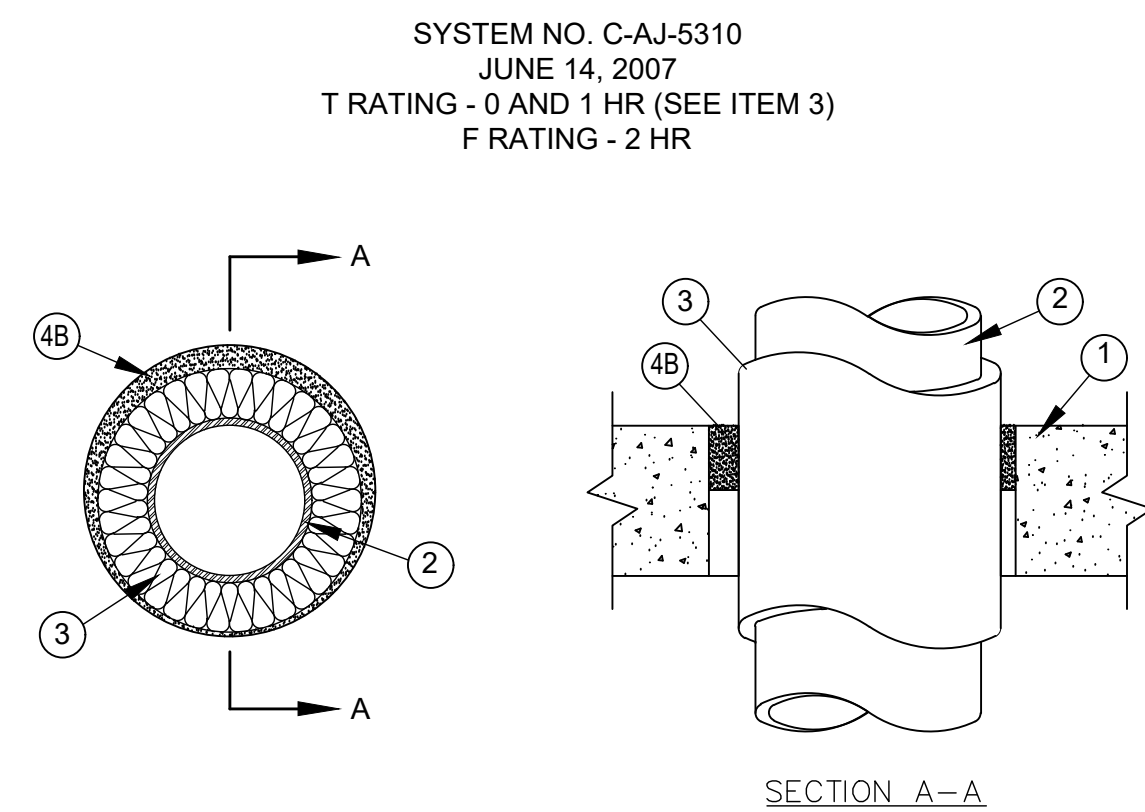
DOOR AND HARDWARE SCHEDULE														
TAG	LOCATION	DOOR					FRAME			FIRE RATING	SADDLE	UNDERCUT	NOTES	
		MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE	FINISH	TYPE	MATERIAL					FINISH
A	ELECTRICAL ROOM	HOLLOW METAL	(2) X 30"	96" VIF	1 1/2"	FLUSH	PAINTED METAL	WELDED	STEEL 16GA	PAINTED METAL	1 1/2 HR	ALUMINUM	N/A	PROVIDE SELF CLOSER & HARDWARE AS PER NOTES
B	ELECTRICAL ROOM	HOLLOW METAL	36"	84" VIF	1 1/2"	FLUSH	PAINTED METAL	WELDED	STEEL 16GA	PAINTED METAL	1 1/2 HR	N/A	N/A	PROVIDE SELF CLOSER & HARDWARE AS PER NOTES

HARDWARE NOTES:  
1. DOOR CLOSERS SHALL BE HEAVY DUTY BRUSHED STEEL - LCN 4200 SERIES.  
2. EXTERNAL DOOR SHALL HAVE ALUMINUM SADDLE AND DOOR SWAMP.  
3. INTERIOR LOCK SET SHALL BE SARGENT OR SCHLAGE BORED TYPE WITH BRUSHED STEEL LEVER HANDLES. KEYS TO HOUSE MASTER.  
4. EXTERIOR LOCK SET SHALL BE SARGENT OR SCHLAGE BORED TYPE WITH DEAD BOLT, LEVER HANDLES, BRUSHED STEEL. KEYS TO HOUSE MASTER.  
5. PROVIDE 3 HINGES PER DOOR. STAINLESS STEEL WITH DUTY BEARING TYPE.  
6. PROVIDE DOUBLE DOOR WITH MULTIPONT (TOP BOTTOM) AUTO-DEAD LOCK ON AUXILIARY DOOR AND PUSH BAR ON EXIT DOOR.



- NOTES:
1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\* MAX DIAM OF OPENING IS 26 IN.
    - \* SEE CONCRETE BLOCKS (CA21) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
  2. STEEL SLEEVE (OPTIONAL) - NOM 14 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY.
  3. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING OR SLEEVE SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
    - A. STEEL PIPE - NOM 24 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
    - B. IRON PIPE - NOM 24 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 24 IN DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
    - C. CONDUIT - NOM 6 IN DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
    - D. COPPER TUBING - NOM 1/8 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
    - E. COPPER PIPE - NOM 8 IN. DIAM (OR SMALLER) REGULAR OR HEAVY WALL COPPER PIPE.
  4. FIRESTOP SYSTEM - THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:
    - A. PACKING MATERIAL - MIN 4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING INTENDED TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
    - B. FILL VOID OR CAVITY MATERIALS - CAULK OR SEALANT - MIN 1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL, MIN 1/4 IN. DIAM. BEAD OF CAULK APPLIED TO THE PENETRANT/CONCRETE OR PENETRANT/SLEEVE INTERFACE AT THE POINT CONTACT LOCATION ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.
- 3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.  
(THE WRATING APPLIES ONLY WHEN FB-3000 WT IS USED.)
- \*BEARING THE UL CLASSIFICATION MARKING

2 UNINSULATED PIPE AND CONDUIT FIRE STOPPING DETAIL  
SCALE: NONE



- FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M<sup>3</sup>) CONCRETE. FLOOR ASSEMBLY MAY ALSO BE CONSTRUCTED OF ANY MIN 6 IN. (152 MM) THICK UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS'. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS'. DIAM OF OPENING TO BE NOM 2 IN. (51 MM) LARGER THAN OUTSIDE DIAM OF PIPE COVERING MATERIAL (ITEM 3). MAX DIAM OF OPENING 12 IN. (305 MM). MAX DIAM OF OPENING IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE IS 7 IN. (178 MM).
- SEE CONCRETE BLOCKS (CAZT) AND PRECAST CONCRETE UNITS (CFTV) CATEGORIES IN FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. THROUGH PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN OPENING. PENETRANT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBES MAY BE USED:
- A. STEEL PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
  - B. IRON PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - C. COPPER TUBING - NOM 4 IN. (102 MM) DIAM (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBE.
  - D. COPPER PIPE - NOM 4 IN. (102 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
  - E. PIPE COVERING - NOM 3 IN. (76 MM) THICK (OR LESS) HOLLOW CYLINDRICAL HEAVY DENSITY GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH PRODUCT. ANNUAL SPACE BETWEEN THE PIPE COVERING AND PERIPHERY OF OPENING OR SLEEVE SHALL BE MIN 3/8 IN. (10 MM) TO MAX 1-1/2 IN. (38 MM). WHEN PIPE COVERING MATERIAL THICKNESS IS LESS THAN 3 IN. (76 MM), F RATING IS 0 HR.
- SEE PIPE AND EQUIPMENT COVERING - MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
4. FIRESTOP SYSTEM - THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:
- A. PACKING MATERIAL - (OPTIONAL, NOT SHOWN) - POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE, PACKING MATERIAL TO BE RECESSED FROM TOP AND BOTTOM SURFACES OF FLOOR OR SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
  - A1. FORMING MATERIAL\* - AS AN ALTERNATE TO THE PACKING MATERIAL, IN ITEM 5A, NOM 4 IN. (102 MM) THICK WIDE STRIPS OF MIN 1/2 IN (13 MM) THICK COMPRESSIBLE MAT FOLDED IN HALF LENGTHWISE AND STACKED TO A THICKNESS GREATER THAN THE WIDTH OF THE ANNULAR SPACE AND COMPRESSIONFITTED. EDGE-FIRST, TO FILL THE ANNULAR SPACE TO A MIN 2 IN. (51 MM) DEPTH. TOP FORMING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS NECESSARY TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL. IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE, FORMING MATERIAL TO BE RECESSED FROM TOP AND BOTTOM SURFACES OF FLOOR OR SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
- 3M COMPANY - FIRE BARRIER PACKING MATERIAL.
- B. FILL, VOID OR CAVITY MATERIALS\* - SEALANT - MIN 2 IN. (51 MM) THICKNESS OF SEALANT APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. IN FLOORS CONSTRUCTED OF HOLLOW-CORE CONCRETE, MIN 2 IN. (51 MM) THICKNESS OF SEALANT APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP AND BOTTOM SURFACES OF FLOOR OR SLEEVE.
- 3M COMPANY - FB-3000 WIT
- \*BEARING THE UL CLASSIFICATION MARK

1 INSULATED PIPE FIRE STOPPING DETAIL  
SCALE: NONE

**KEYPLAN**

## CAMPUS - KEYPLAN

1	ISSUED FOR BID	11/01/2021
NO.	DESCRIPTION	DATE

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PROJECT	CAPITAL PROJECT 4466 BUILDING E UTILITY PLANT RENOVATION & IMPROVEMENTS DR. ROBERT L. YEAGER HEALTH CENTER  50 SANATORIUM ROAD, POMONA, NY 10970
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DRAWING TITLE

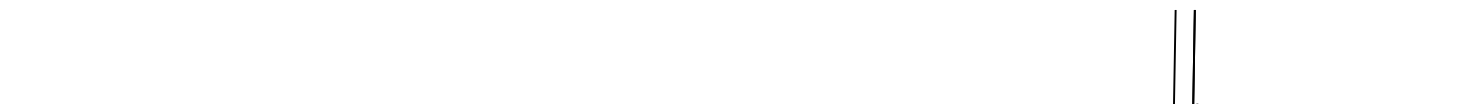
GENERAL CONSTRUCTION  
DETAILS

SEAL	SCALE NONE	PROJECT NO. NRCK0016.00
	DRAWN BY NW	DRAWING NO.
	CHECKED BY RS	GC2.3
	DATE 04-28-2020	



1. Any and all contractors / subcontractors will not be permitted within the Rockland County building complex at any time. It shall be the contractor's responsibility to provide sanitary facilities (i.e. porta-john (and other necessary temporary facilities) throughout the duration of construction.
2. The contractor shall field verify all dimensions relative to the scope of work.
3. It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact dig safely New York at 811 or 1-800-662-7362 and any other required utility locators prior to the start of construction.
4. The exact location, size, and type of the existing utilities may differ from what is shown hereon. The contractor shall field verify the location size and type of the existing utilities ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required.
5. The contractor shall coordinate their construction operations with any other construction activities and/or events / activities occurring simultaneously.
6. The contractor shall coordinate the layout of the work with the owner, and the project architect/engineer, and eliminate all conflicts including but not limited to utility location conflicts, prior to commencement of any proposed work. The contractor shall expose pertinent existing utilities far enough ahead of construction to verify the size, type, location and invert of the existing utility, and eliminate and conflicts without resulting in a delay in work.
7. The contractor shall field verify the existing grades/utility locations prior to commencement of any work. Any discrepancy shall be reported to the owner and project engineer when identified.
8. All vehicle and pedestrian traffic shall be maintained as directed by the owner and/or the project engineer.
9. All existing vegetation not proposed to be removed shall be protected from damage, and if damaged replaced at the contractor's expense.
10. All existing concrete curb not proposed to be removed shall be protected from damage during construction, and if damaged replaced at the contractor's expense to original condition.
11. Original condition shall mean the condition in which the feature was found (or better) at the start of construction.
12. The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contact documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
13. The contractor shall be held responsible for all damage caused to existing utilities / features / facilities during the execution of the work not proposed to be modified or removed by this contract. All damage to any existing utilities / features / facilities not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.
14. The contractor shall submit a plan to the project engineer demonstrating anticipated vehicle patterns during tail paving operations.
15. All walkways and sidewalks at existing entrances shall match the existing grades.
16. All pavement striping to be performed by contractor and shall reflect existing conditions.
17. All personal vehicles, materials, and construction equipment must be kept within the project contract limit line. Use of additional onsite storage areas must be pre-authorized by the owner.
18. Four inches of screened topsoil shall be placed and raked to finished grade by the contractor over all disturbed areas not covered by pavement / concrete surfaces.
19. The contractor shall coordinate all lane closures with the owner, and will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if needed. MP&T shall include but not be limited to placement of traffic cones and warning signs around work area.
20. The contractor shall maintain existing grades unless otherwise noted.
21. The contractor shall be responsible for the implementation of erosion and sediment controls as necessary to prevent erosion and migration of sediment outside of the contract limit line or into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stable channel, sedimentation entrance, and inlet protection. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the project engineer.
22. In areas of pavement repair and replacement contractor to adjust utility structure rims to match future finished grade.

1. The general contractor will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.
2. All construction activities involving the removal or disposal of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with New York Standards and Specifications For Erosion and Sediment Control," latest edition.
3. Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.
4. When land is exposed during development, the exposure shall be kept to the shortest practical period of time. In the areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. Disturbance shall be minimized to the areas required to perform construction.
5. Silt fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
6. All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. "Aristook" Winter Rye (cereal rye) shall be used for temporary seeding in late fall and winter.
7. Any disturbed areas not subject to further disturbance or construction traffic, permanent or temporary, shall have soil stabilization measures initiated for permanent vegetation cover in combination with a suitable mulch within business day of final grading. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched as follows:
  - Seed mixed to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative at a rate of 100 pounds per acre in the following proportions:
    - Kentucky Bluegrass 20%
    - Creeping Red Fescue 40%
    - Perennial Ryegrass 20%
    - Annual Ryegrass 20%
  - Mulch: Silt hay or small grain straw applied at a rate of 90 lb/1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specifications For Erosion and Sediment Control," latest edition.
8. Grass seed mix may be applied by either mechanical or hydroseeding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specifications, Construction and Materials, Section 610-3.1/2, Method No. 1." Hydroseeding shall be performed using materials and methods as approved by the site engineer.
9. Cut or fill slopes steeper than 2:1 shall be stabilized immediately after grading with Curlix I Single Net Erosion Control Blanket, or approved equal.
10. Paved roadways shall be kept clean at all times.
11. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities. All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
12. Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
13. Erosion and sediment control measures shall be inspected and maintained on a daily basis by the O.F.R. to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately repaired by the contractor and inspected for approval by the O.F.R. and/or site engineer.
14. Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
15. Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
16. All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
17. The O.F.R. shall inspect field conditions for evidence of sedimentation on a weekly basis and after rainstorms.
18. As warranted by field conditions, special additional erosion and sediment control measures, as specified by the site engineer and/or the Village Engineer shall be installed by the contractor.
19. Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.



1. **Aeration** includes the use of machines such as tractor-drawn implements with coulters making a narrow soil furrow, or a roller with spikes making indentations in the soil, or prongs which function like the tines of a pitchfork.
2. **Per Deep Plowing and De-compaction, DEC, 2008**
3. **Aeration** includes the use of machines such as tractor-drawn implements with coulters making a narrow soil furrow in the soil, or a roller with many spikes making indentations in the soil, or prongs which function like the tines of a pitchfork.
4. **During periods of relatively low to moderate soil moisture, the disturbed soils are returned to rough ground and the following Soil Restoration steps applied:**
  - a. Apply 2 inches of compost.
  - b. Till compost into subsoil to a depth of at least 12 inches using a subsoil-distributed implement.
  - c. Use a roller with spikes or a roller with prongs to disperse and crumble air and till compost into subsoils.
  - d. Roll, tamp, and/or tiller stone/rocks/materials of four inches and larger size once cleaned off the soil.
  - e. Roll, tamp to a depth of 6 inches.
  - f. Vegetate as prompted by seeding notes on the sign line of any seedling rows.
5. **Tilling and rolling are not performed on the top line of any seedling rows, nor on any utility installations that are within 24 inches of the surface.**
6. **Compost should be applied to the surface of the soil after the seedling rows, no visible bare soil or dirt produced when handling, pass through a half inch screen and/or a 3/4 inch sieve.**

<u><b>EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE</b></u>					
<b>MONITORING REQUIREMENTS</b>			<b>MAINTENANCE REQUIREMENTS</b>		
<b>PRACTICE</b>	<b>DAILY</b>	<b>WEEKLY</b>	<b>AFTER RAINFALL</b>	<b>DURING CONSTRUCTION</b>	<b>AFTER CONSTRUCTION</b>
SILT FENCE BARRIER	—	Inspect	Inspect	Clean/Replace	Remove
STABILIZED CONSTRUCTION ENTRANCE	—	—	Inspect	Clean/Replace Stone and Fabric	—
DUST CONTROL	Inspect	—	—	Mulching/ Seeding Water	N/A
VEGETATIVE ESTABLISHMENT	—	Inspect	—	Water/Seed/ Remove	Reseed to 80% Coverage
PROTECTION	—	Inspect	Inspect	Clean/ Replace	—
STOPOCKLES	—	Inspect	Inspect	Mulching/ SILT Fence Repair	Remove
SWALES	—	—	—	Clean/Mulch/ Grass/Seed/ Replace/ Repair	—
CHECK DAMS	—	Inspect	Inspect	Clean/Replace Stone/Repair	Clean/Replace Stone/Repair
CONCRETE DRAINAGE STRUCTURES	—	Inspect	Inspect	Clean/ Sump/ Remove Debris/ Repair/ Replace	Clean/ Sump/ Remove Debris/ Repair/ Replace
DRAINAGE	—	Inspect	Inspect	Clean/Repair	Clean/Repair
GULCH & PONDAGE	—	Inspect	Inspect	Clean	Clean
POSTHOLE/TIE STAP/BASIN	—	Inspect	Inspect	Clean/Alts/ Repair/Reused	See Permanent Maintenance Schedule on 6-2-2
CONCRETE WASHOUT AREA	—	—	Inspect	Remove Concrete From Site and Re-Installation	Remove



ESTIMATING

**D | A | C | K**  
CONSULTING SOLUTIONS, INC.

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White Plains, NY 10601

914.686.7102  
[dackconsulting.com](http://dackconsulting.com)

KEYPLAN

**CAMPUS - KEYPLAN**

AREA OF WORK

A

D

F

E

G

H

J

K

NORTH

1	ISSUED FOR BID	11/01/2021
NO.	DESCRIPTION	DATE

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PROJECT

CAPITAL PROJECT 4466  
BUILDING E UTILITY PLANT  
RENOVATION & IMPROVEMENTS  
DR. ROBERT L. YEAGER HEALTH CENTER  
50 SANATORIUM ROAD,  
POMONA, NY 10970

DRAWING TITLE

SITE CONSTRUCTION  
LANDSCAPING PLAN

SEAL	SCALE AS NOTED	PROJECT NO. NRCK0016.00
	DRAWN BY NW	DRAWING NO.  <b>L2.1</b>
	CHECKED BY RS	
	DATE 04-28-2020	