Rockland County

FACILITIES MANAGEMENT

HON. EDWIN J. DAY
COUNTY EXECUTIVE

ROBERT H. GRUFFI, P.E., LEED AP
DIRECTOR, FACILITIES MANAGEMENT

CAPITAL PROJECT 4466
BUILDING E UTILITY PLANT
RENOVATION & IMPROVEMENTS
DR. ROBERT L YEAGER HEALTH CENTER

50 SANATORIUM RD,
POMONA, NY 10970

DRAWING INDEX

DWG #	DRAWING TITLE	ISSUES / REVISIONS			
		ISSUED FOR BID 11/01/2021	RE-ISSUED FOR BID 07/24/2022		
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M1.2	MECHANICAL DEMOLITION FLOOR PLAN - PHASE 2 AND TEMPORARY PIPING	X	X		
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E7.1	ELECTRICAL DETAILS	X	X		
E7.2	ELECTRICAL DETAILS	X	X		

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KEYPLAN

CAMPUS - KEYPLAN

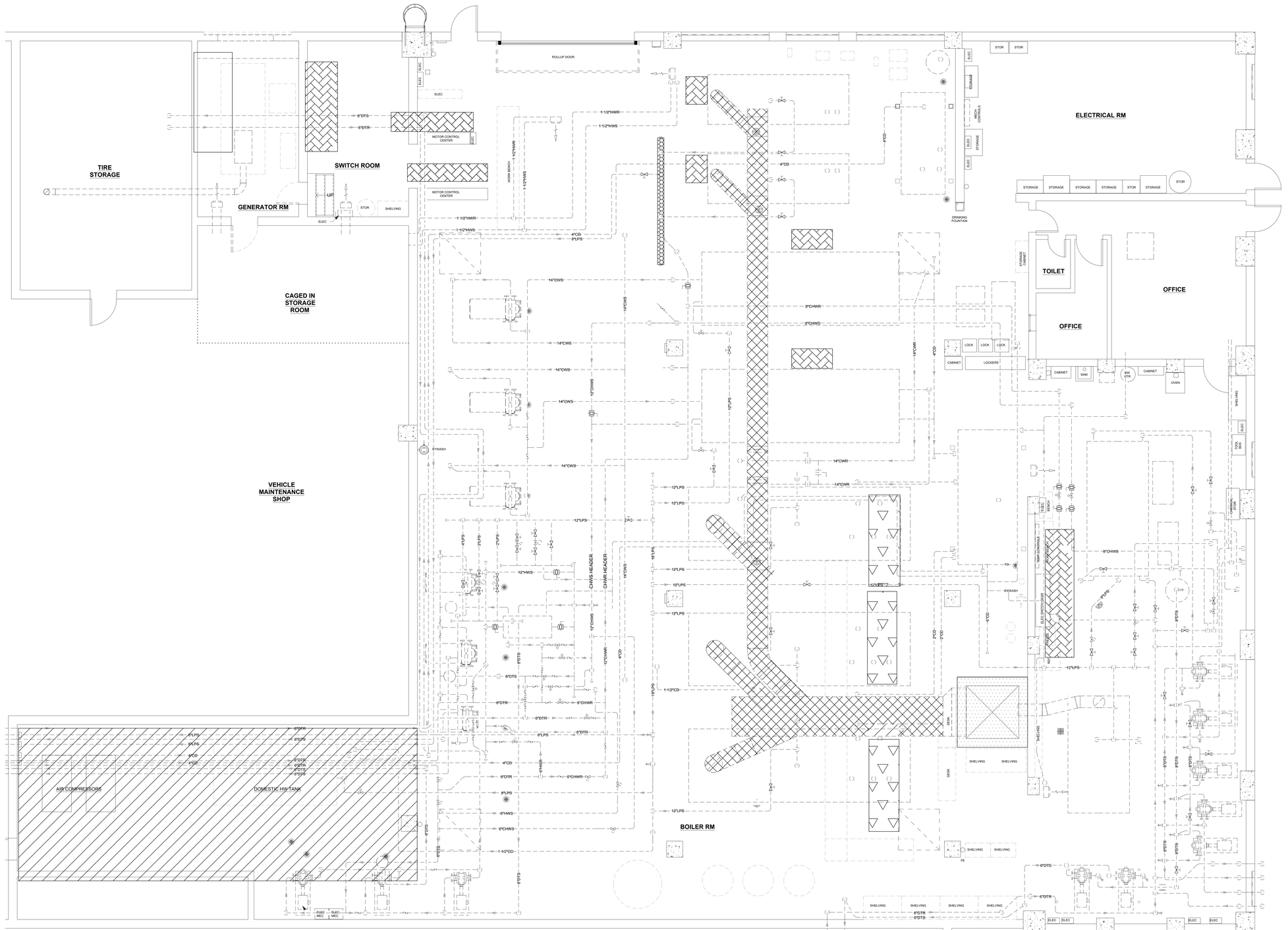
NO.	DESCRIPTION	DATE
2	RE-ISSUED FOR BID	07/24/2022
1	ISSUED FOR BID	11/01/2021

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

DRAWING TITLE
COVER SHEET

SEAL

SCALE: NONE	PROJECT NO.: NRCK0016.00
DRAWN BY: NW	DRAWING NO.: T0.1
CHECKED BY: RS	
DATE: 04-28-2020	



INTERIOR ASBESTOS (ACM's) REMOVAL PLAN

ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF ACM BREECHING INSULATION	ABATEMENT CONTRACTOR TO 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 BREECHING/ CHIMNEY INSULATION

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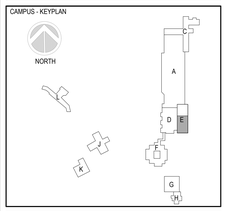

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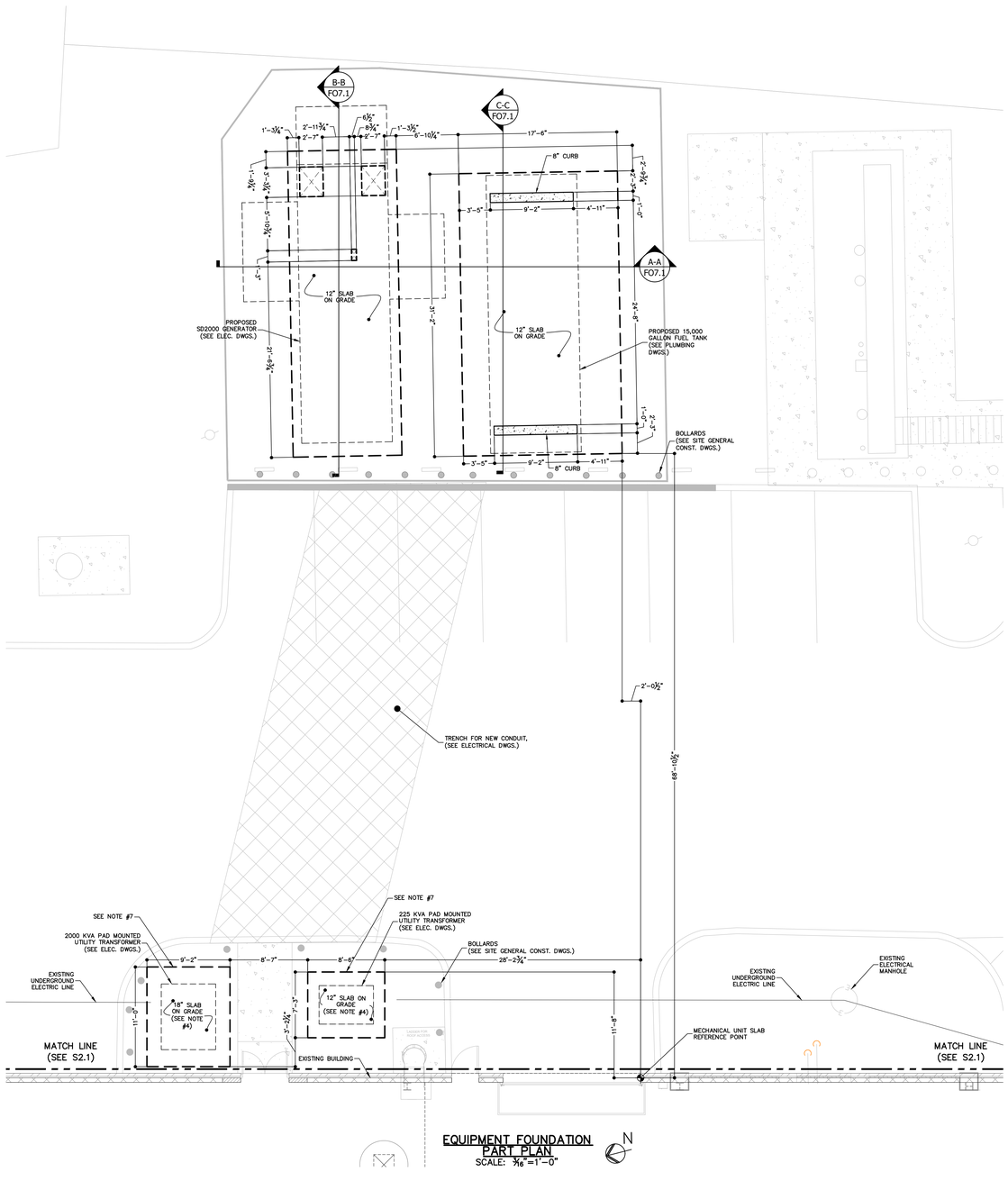
DRAWING TITLE

INTERIOR ASBESTOS REMOVAL LOCATIONS PLAN

SEAL	SCALE	PROJECT NO.
	1" = 1'-0"	NRCK0016.00
	DRAWN BY: ANM	DRAWING NO.
	CHECKED BY: TM	ASB1.1
	DATE: 04-28-2020	



EQUIPMENT FOUNDATION PART PLAN

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

LEGEND

- EXISTING CMU WALL
- BRICK
- SLAB OPENING (SEE NOTE #5)
- EDGE OF ROOF
- CONCRETE FOUNDATION

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.R. IF EXISTING UTILITIES VARY FROM THOSE SHOWN ON PLAN.
4. TRANSFORMER SLAB REINFORCEMENT SHALL BE 6x6--W2.9xW2.9 WELDED WIRE FABRIC. TOP OF SLAB SHALL BE 6" MAX. ABOVE TOP OF PROPOSED GRADE. PROVIDE 3'-0" LAYER OF CRUSHED STONE BENEATH BOTTOM OF SLAB.
5. SEE "TYPICAL OPENING IN STRUCTURAL SLAB DETAIL" ON FO7.1 FOR REINFORCEMENT REQUIREMENTS AT SLAB OPENINGS.
6. CONNECTION OF TRANSFORMERS, FUEL TANK AND GENERATOR TO CONCRETE SLABS SHALL BE BY OTHERS.
7. DIMENSIONS OF TRANSFORMER PADS ARE FROM "SPECIFICATION FOR ELECTRIC INSTALLATIONS" FIGURE PROVIDED BY ORANGE AND ROCKLAND UTILITY COMPANY. SEE "FIGURE 4" ON FO7.1 FOR ALL ADDITIONAL SLAB REQUIREMENTS. COORDINATE OPENINGS FOR CONDUITS WITH ELECTRICAL CONTRACTOR.

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DRAWING TITLE

EQUIPMENT FOUNDATION PART PLAN

SEAL

SCALE: AS NOTED	PROJECT NO.: 19175
DRAWN BY: BL	DRAWING NO.: FO2.1
CHECKED BY: RZ	
DATE: SEE REV	

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 6% AIR-ENTRAINMENT (±1.5%). 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 214'S 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 I OR II 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 A-615, GRADE 60.
7. SPLICES SHALL BE IN CONFORMANCE WITH ACI 318 AND SPLICE LENGTH TABLES SHOWN ON FO7.1.
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 305R 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
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	#6 THROUGH #18 BARS	2
		#5 BAR, W31 OR D31 WIRE, AND SMALLER	1½
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, JOISTS, AND WALLS	#14 AND #18 BARS	1½
		#11 BAR AND SMALLER	¾
	BEAMS,COLUMNS, PEDESTALS, AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1½

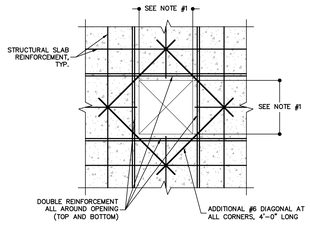
TENSION DEVELOPMENT AND SPLICE LENGTH TABLE

PROPERTIES: f'c = 4,000PSI fy = 60KSI NORMAL WEIGHT CONCRETE

BAR SIZE	DEVELOPMENT LENGTH				BAR SIZE	SPLICE LENGTH			
	UNCOATED BARS CASE 1 **		UNCOATED BARS CASE 2			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)

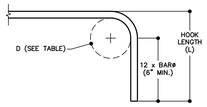
NOTES:
1. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPICE LENGTHS ARE CALCULATED PER ACI 318-14, SECTION 25.4.2 AND 25.5.2, RESPECTIVELY.
2. TABLE IS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
3. TABLE IS BASED ON 60KSI REINFORCEMENT. 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.



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

NOTES:
1. SEE FO2.1 FOR SLAB OPENING SIZE AND LOCATIONS. NOTIFY E.O.R. IF SITE CONDITIONS FOR OPENINGS VARY FROM THOSE SHOWN ON PLAN.

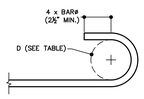
90° HOOKED REINFORCEMENT DETAIL



90° HOOKED REINFORCEMENT TABLE

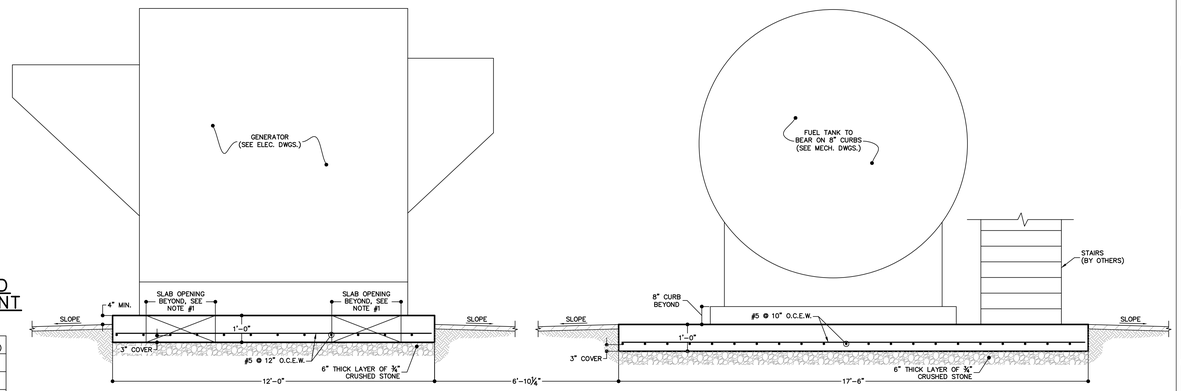
BAR SIZE	INSIDE BEND DIAMETER (D)	HOOK LENGTH (L)
#3	2½"	6"
#4	3"	8"
#5	3¾"	10"
#6	4½"	12"
#7	5¼"	14"
#8	6"	16"
#9	9½"	19"
#10	10¾"	22"

180° HOOKED REINFORCEMENT DETAIL



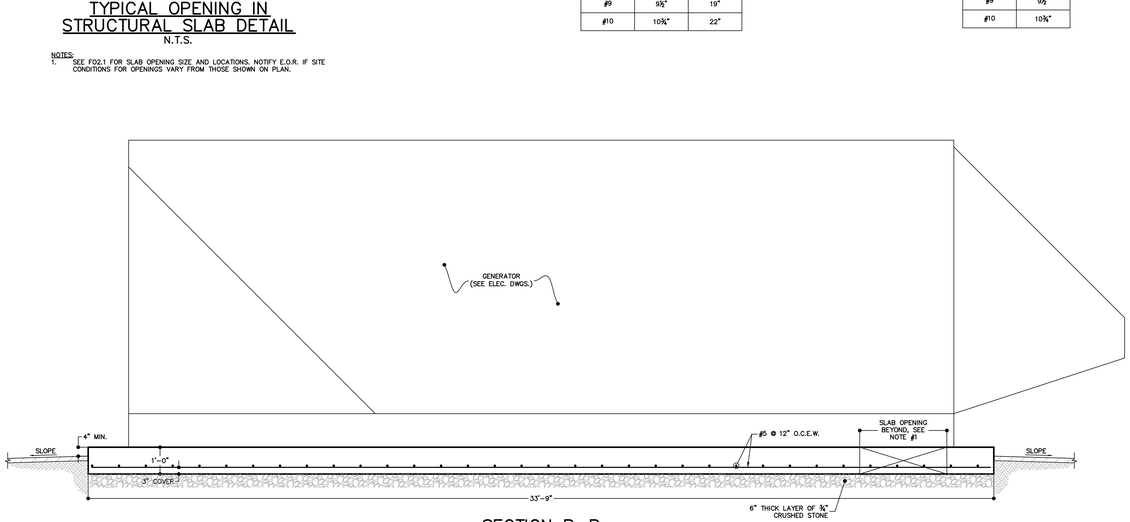
180° HOOKED REINFORCEMENT TABLE

BAR SIZE	INSIDE BEND DIAMETER (D)
#3	2½"
#4	3"
#5	3¾"
#6	4½"
#7	5¼"
#8	6"
#9	9½"
#10	10¾"



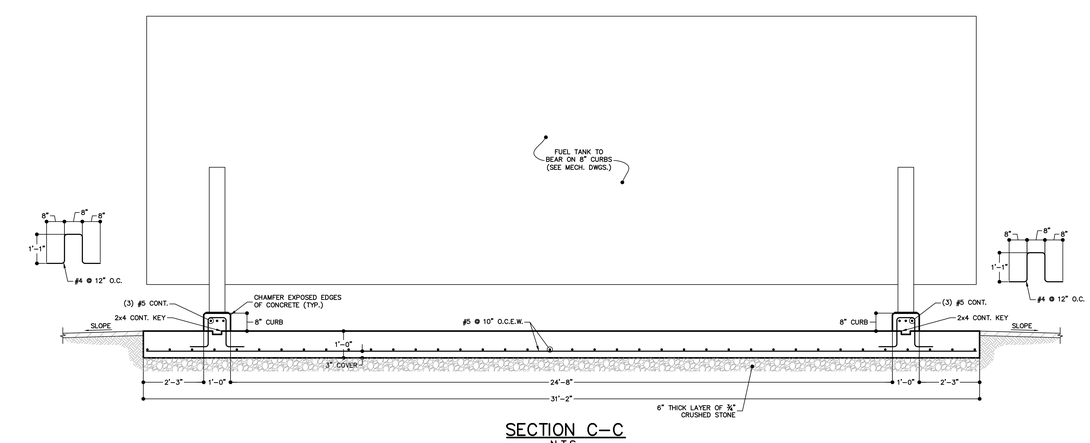
SECTION A-A
N.T.S.

NOTES:
1. SEE DRAWING FO-101 FOR SLAB OPENINGS SIZES AND LOCATIONS. COORDINATE SLAB OPENINGS, SIZES AND LOCATIONS WITH ELECTRICAL CONTRACTOR. NOTIFY E.O.R. IF SITE CONDITIONS FOR OPENINGS VARY FROM THOSE SHOWN ON PLAN.



SECTION B-B
N.T.S.

NOTES:
1. SEE DRAWING FO-101 FOR SLAB OPENINGS SIZES AND LOCATIONS. COORDINATE SLAB OPENINGS, SIZES AND LOCATIONS WITH ELECTRICAL CONTRACTOR. NOTIFY E.O.R. IF SITE CONDITIONS FOR OPENINGS VARY FROM THOSE SHOWN ON PLAN.



SECTION C-C
N.T.S.

SPECIFICATIONS FOR ELECTRIC INSTALLATIONS

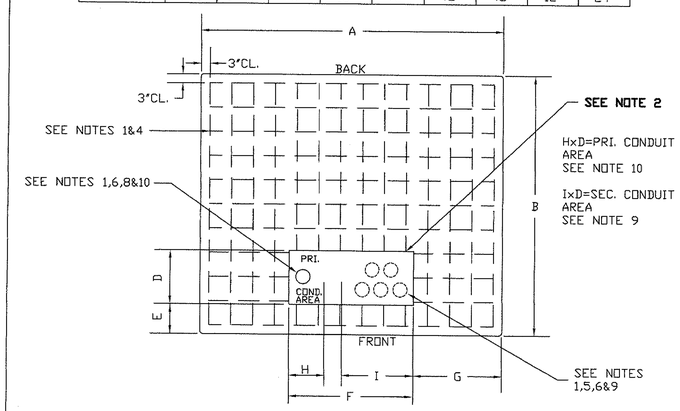
ISSUE 4 | FIG. 4

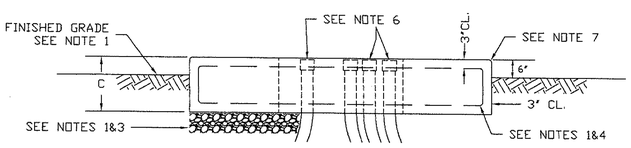
THREE PHASE PADMOUNT TRANSFORMER CONCRETE PAD SPECIFICATIONS

NOTES:
1. SEE FIG. 3 FOR ADDITIONAL REQUIREMENTS, SPECS. AND CLEARANCE REQUIREMENTS.
2. OPENING TO BE D X F DIMENSIONS (AFTER FORM IS REMOVED).
3. CRUSHED STONE ±3'-0" BENEATH PAD.
4. 6" X 6" X 6/6 WIRE MESH.
5. NUMBER OF SECONDARY CONDUITS TO CUSTOMERS EQUIPMENT TO SUIT LOAD AND SITE CONDITIONS.
6. CONDUITS NOT TO EXTEND ABOVE PAD.
7. PAD SHALL BE LEVEL AND ALL EDGES CHAMFERED.
8. WHEN REQUIRED, TWO (2) PRIMARY CONDUITS IN THIS AREA.
9. SECONDARY CONDUITS NOT TO EXCEED "I" DIMENSION.
10. PRIMARY CONDUITS SHALL BE WITHIN DIMENSION H.
11. ALL PAD DIMENSIONS ARE THE FINISHED PRODUCT, AFTER ALL FORMS ARE REMOVED.
12. WARNING: DO NOT PULL IN ANY PRIMARY OR SECONDARY WIRES, YOU MUST WAIT FOR THE TRANSFORMER TO BE DELIVERED.

PAD DIMENSIONS

TRANSFORMER SIZE-KVA	A	B	C	D	E	F	G	H	I
75-500	8'-6"	7'-3"	12"	13"	16"	42"	24"	12"	18"
750-1000	9'-0"	7'-8"	12"	18"	10"	42"	30"	12"	24"
1500-2500	11'-0"	9'-2"	18"	18"	10"	42"	42"	12"	24"





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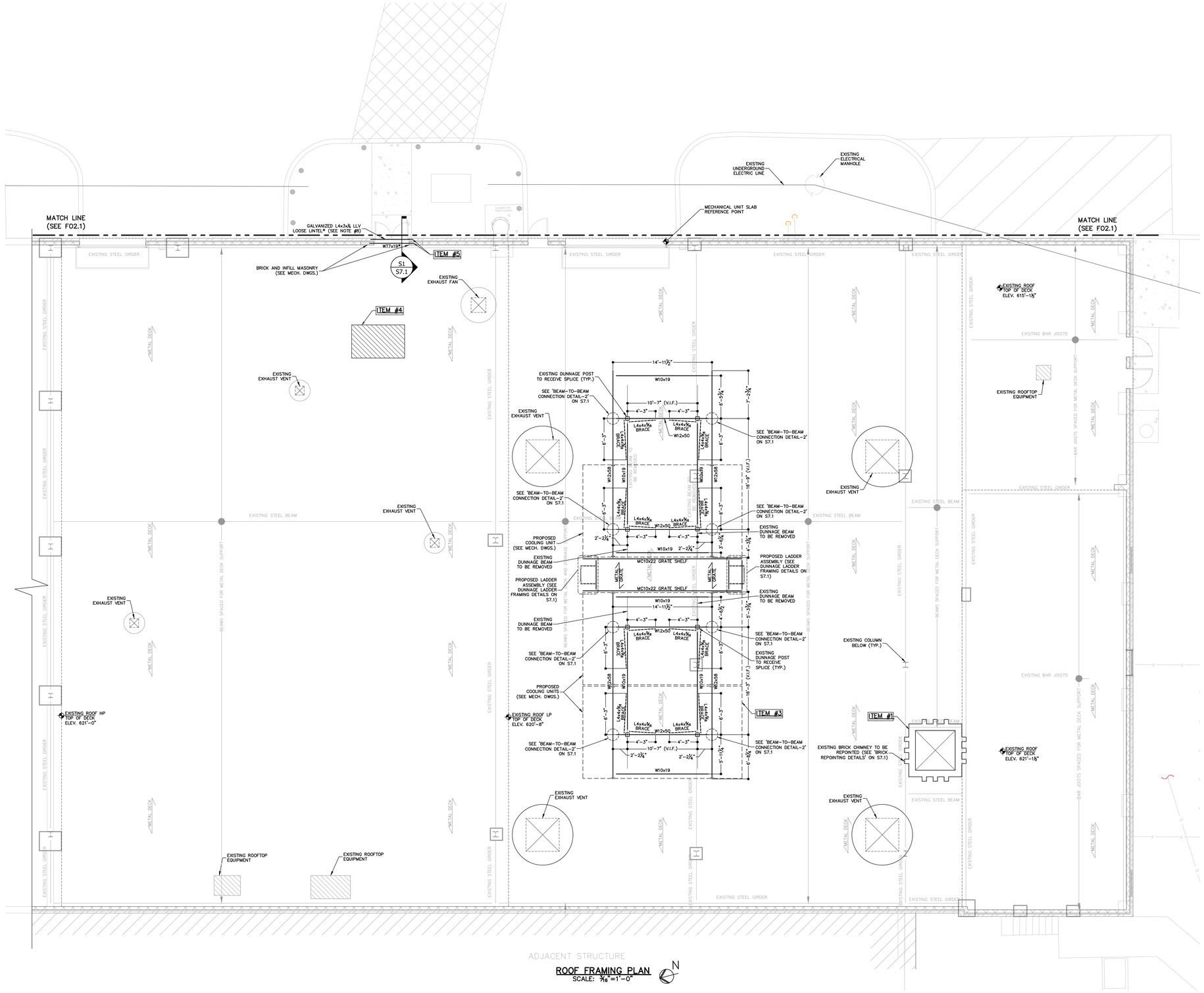
1	ISSUED FOR BID	11/01/2021

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	PROJECT NO.
AS NOTED	19175
DRAWN BY: BL	DRAWING NO.
CHECKED BY: RZ	FO7.1
DATE: SEE REV	



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KEYPLAN

CAMPUS - KEYPLAN

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POMONA, NY 10970

DRAWING TITLE

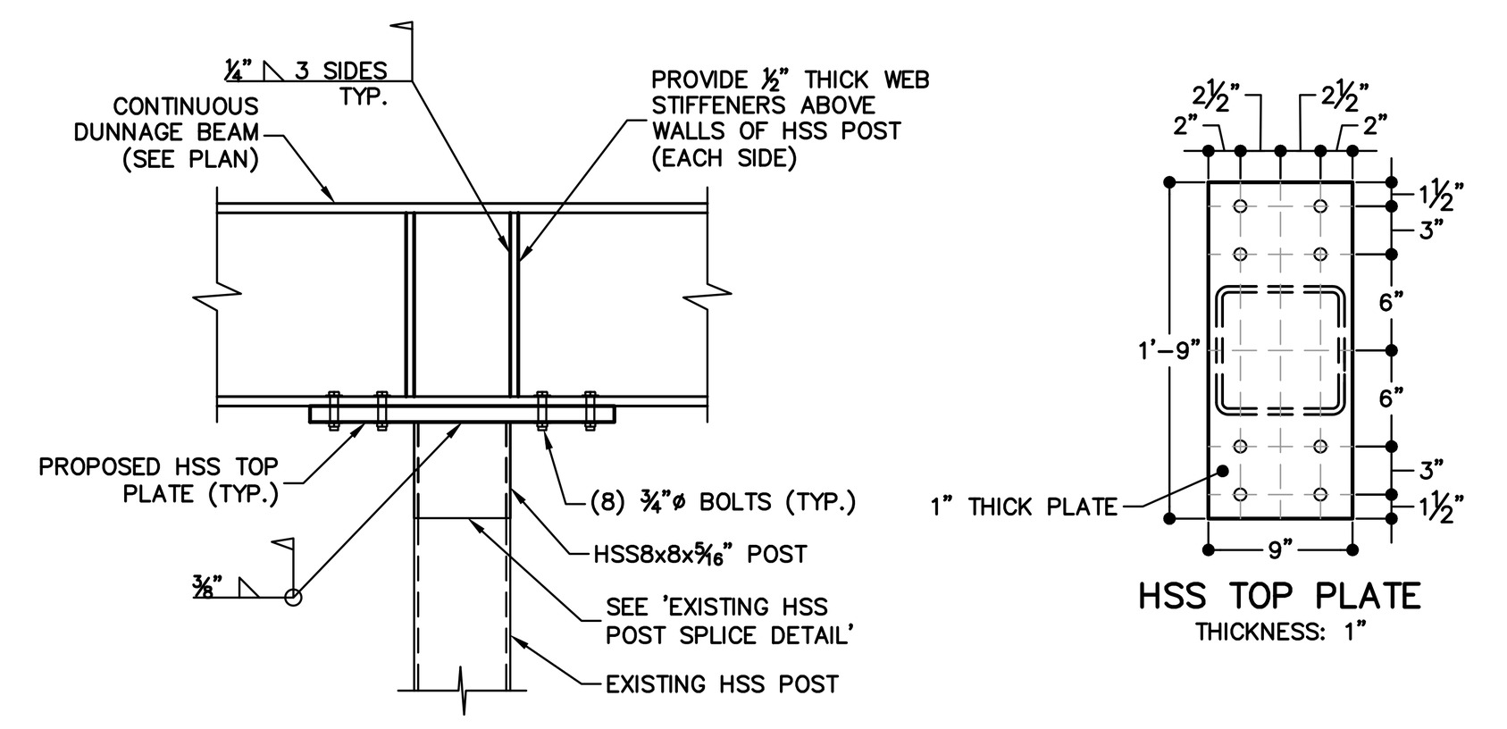
ROOF FRAMING PLAN

SEAL

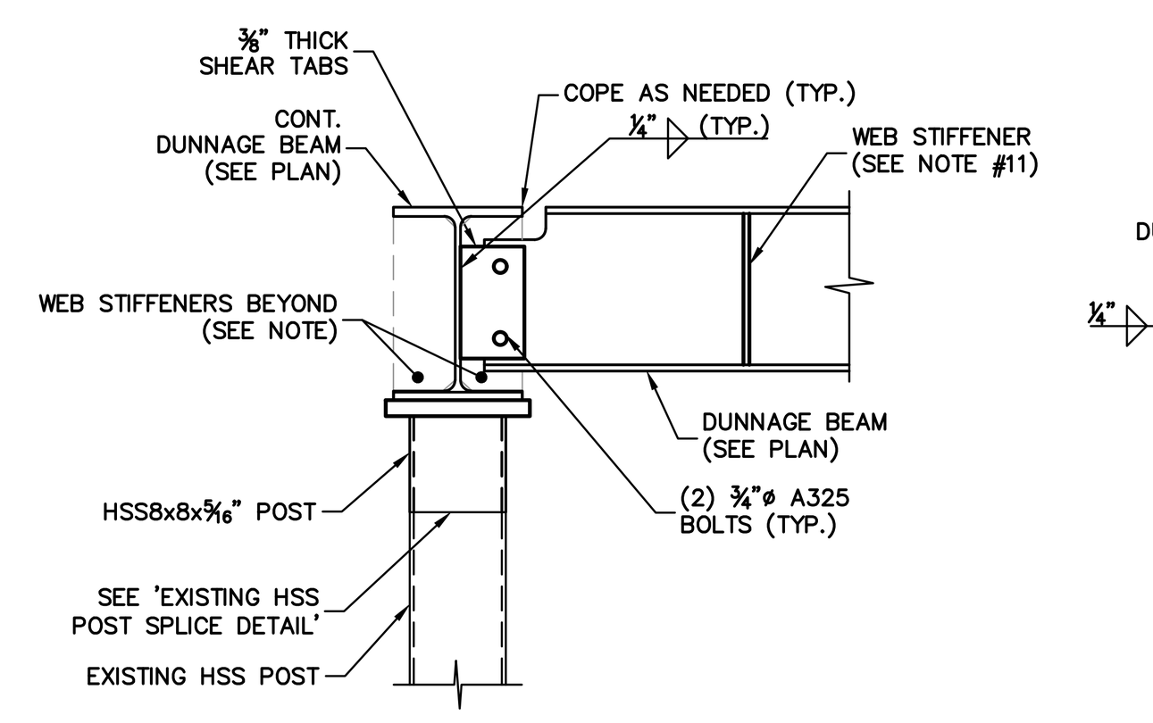
SCALE	AS NOTED
PROJECT NO.	19175
DRAWN BY	BL
DRAWING NO.	S2.1
CHECKED BY	RZ
DATE	SEE REV

STRUCTURAL STEEL NOTES:

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. ALL STEEL TO BE FABRICATED, DETAILED, AND ERECTED IN ACCORDANCE WITH LATEST A.I.S.C. STANDARDS.
2. ALL STEEL EXPOSED TO WEATHER SHALL BE COATED WITH ANTI–CORROSIVE PAINT.
3. ALL NUTS, BOLTS AND WASHERS SHALL BE HIGH STRENGTH ASTM DESIGNATION A325N U.N.O., INSTALLED BY TURN–OF–NUT METHOD OR A CALIBRATED TORQUE WRENCH. ALL BOLTS TO BE ¾"ø U.N.O.
4. ALL WELDS SHALL BE MADE BY WELDERS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED IN THE A.W.S. STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION.
5. G.C. SHALL SUBMIT STEEL SHOP DRAWINGS TO E.O.R. FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL INCLUDE, BUT NOT LIMITED TO, BEAMS, COLUMNS, PLATES, ANGLES, CHANNELS, ANCHOR BOLTS, AND ALL CONNECTIONS.
6. ALL WELDING ELECTRODES SHALL CONFORM TO E70XX SERIES A–233. ALL WELDING AND WELDING SYMBOLS ON DRAWINGS SHALL CONFORM TO A.W.S. STANDARD CODE FOR WELDING BUILDING CONSTRUCTION.
7. BOLT HOLES WILL NOT BE PERMITTED IN BEAM FLANGES U.N.O.
8. ALL STEEL OTHER THAN JOISTS AND STANDARD BRIDGING TO BE PROVIDED BY THE STEEL FABRICATOR.
9. FIELD CUTTING OR BURNING OF STRUCTURAL STEEL IS PROHIBITED WITHOUT EXPRESSED APPROVAL OF STRUCTURAL ENGINEER.
10. THE OWNER SHALL PERFORM A MAINTENANCE PROGRAM TO PROTECT THE STRUCTURE AGAINST WATER PENETRATION AND CORROSION.
11. ALL DUNNAGE BEAMS SHALL HAVE ⅜" WEB STIFFENERS AT 4'–0" ON CENTER, U.N.O.. SEE 'TYPICAL WEB STIFFENER WELDING DETAIL' FOR CONNECTION REQUIREMENTS.
12. BOLT EDGE DISTANCE WITH COPE SHALL NOT EXCEED 1⅛".

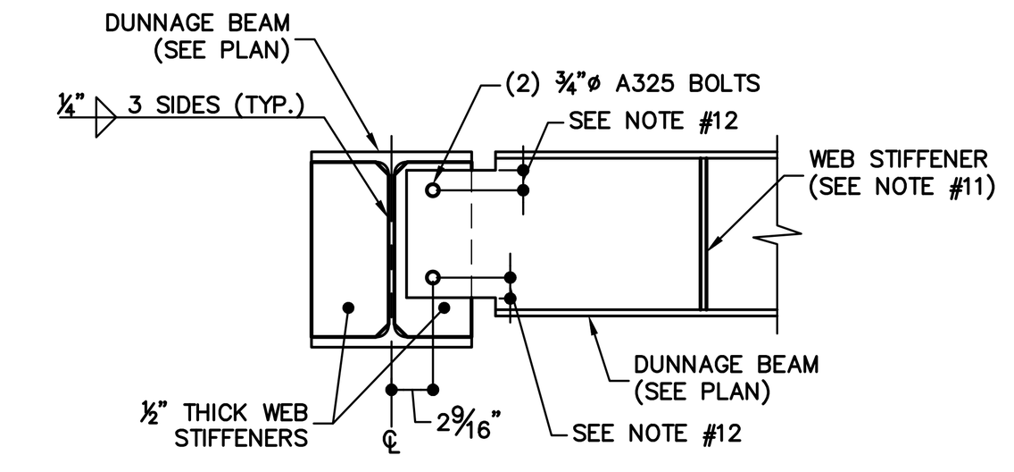


CONTINUOUS DUNNAGE BEAM OVER HSS CONNECTION DETAIL
N.T.S.

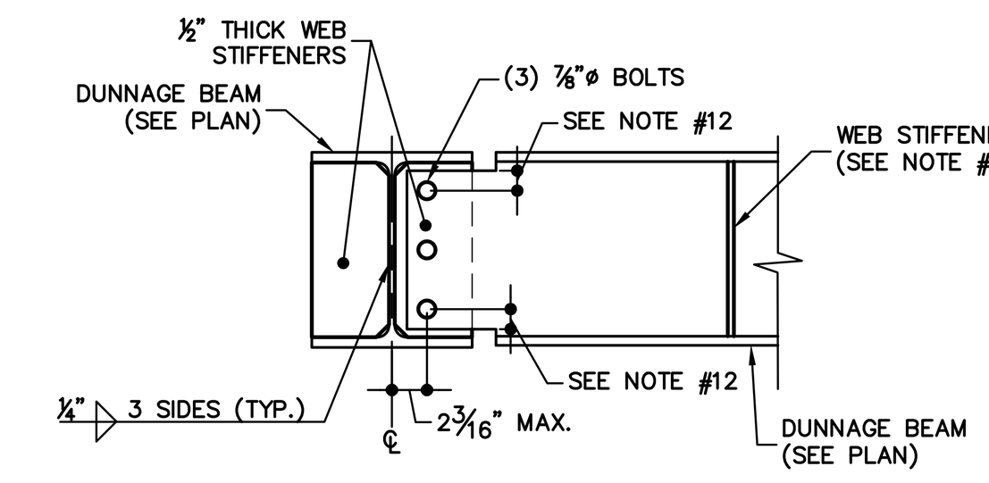


BRACE BEAM CONNECTION DETAIL
N.T.S.

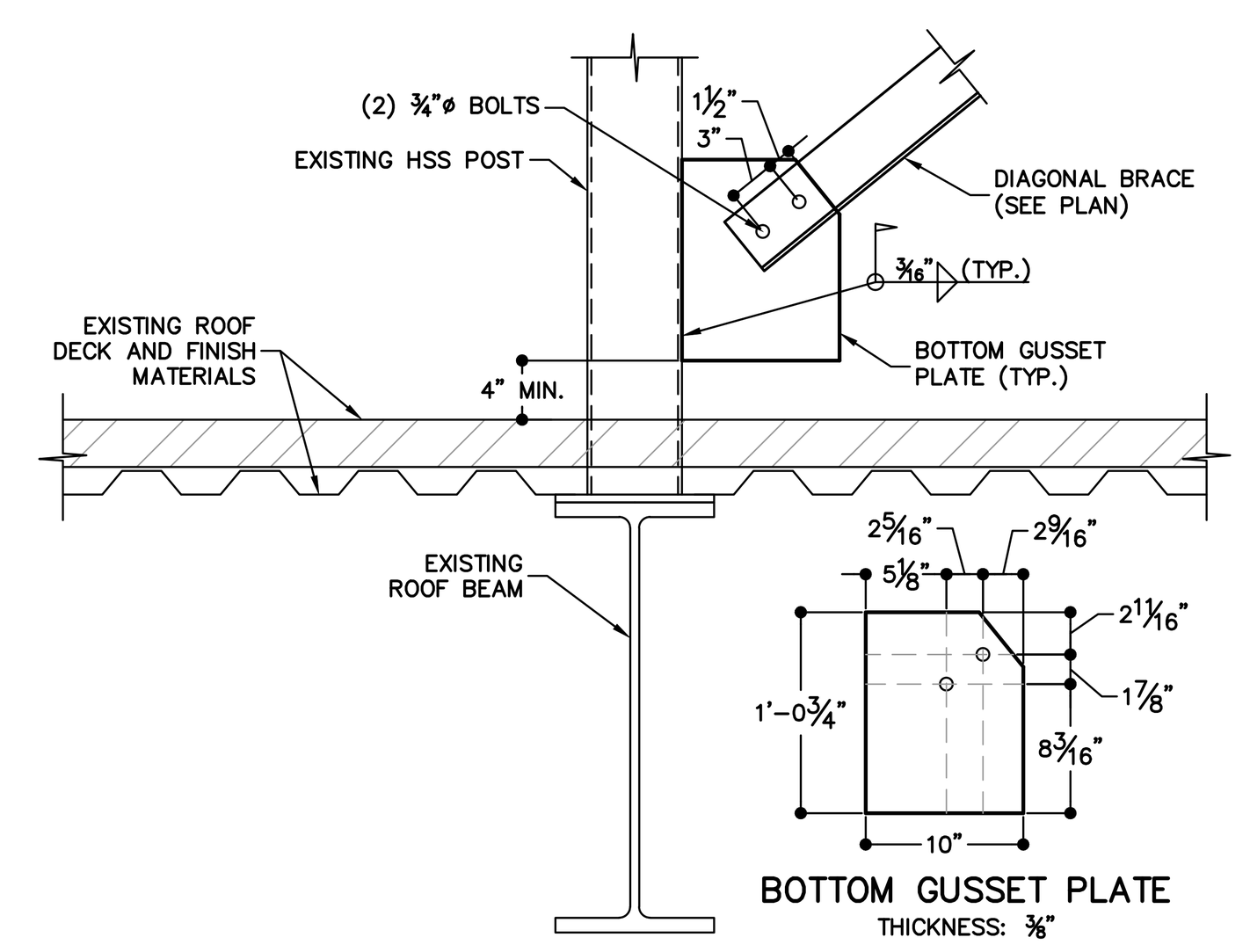
NOTE:
SEE "CONTINUOUS DUNNAGE BEAM OVER HSS CONNECTION DETAIL" FOR WEB STIFFENER CONNECTION REQUIREMENTS OVER POSTS.



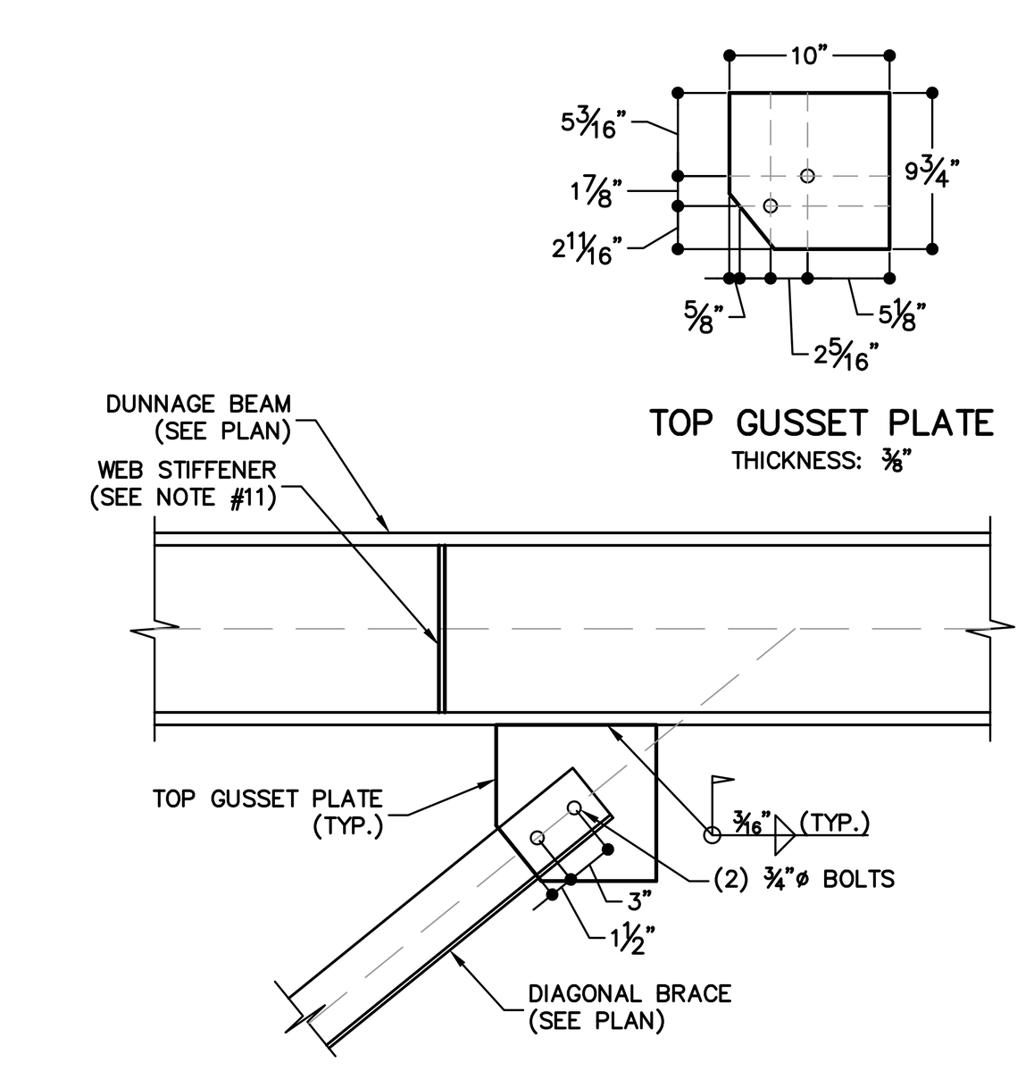
BEAM–TO–BEAM CONNECTION DETAIL 1
N.T.S.



BEAM–TO–BEAM CONNECTION DETAIL–2
N.T.S.



TYPICAL DIAGONAL BRACE–TO–POST CONNECTION DETAIL
N.T.S.



TYPICAL DIAGONAL BRACE–TO–BEAM CONNECTION DETAIL
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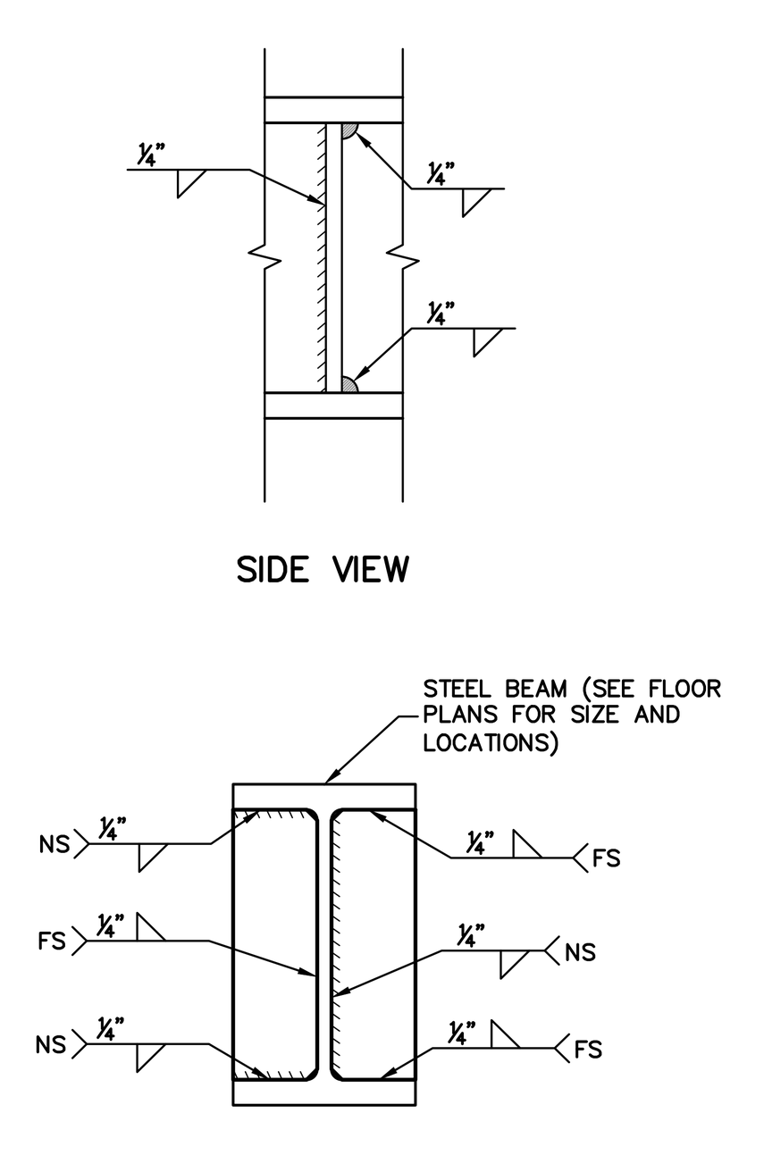
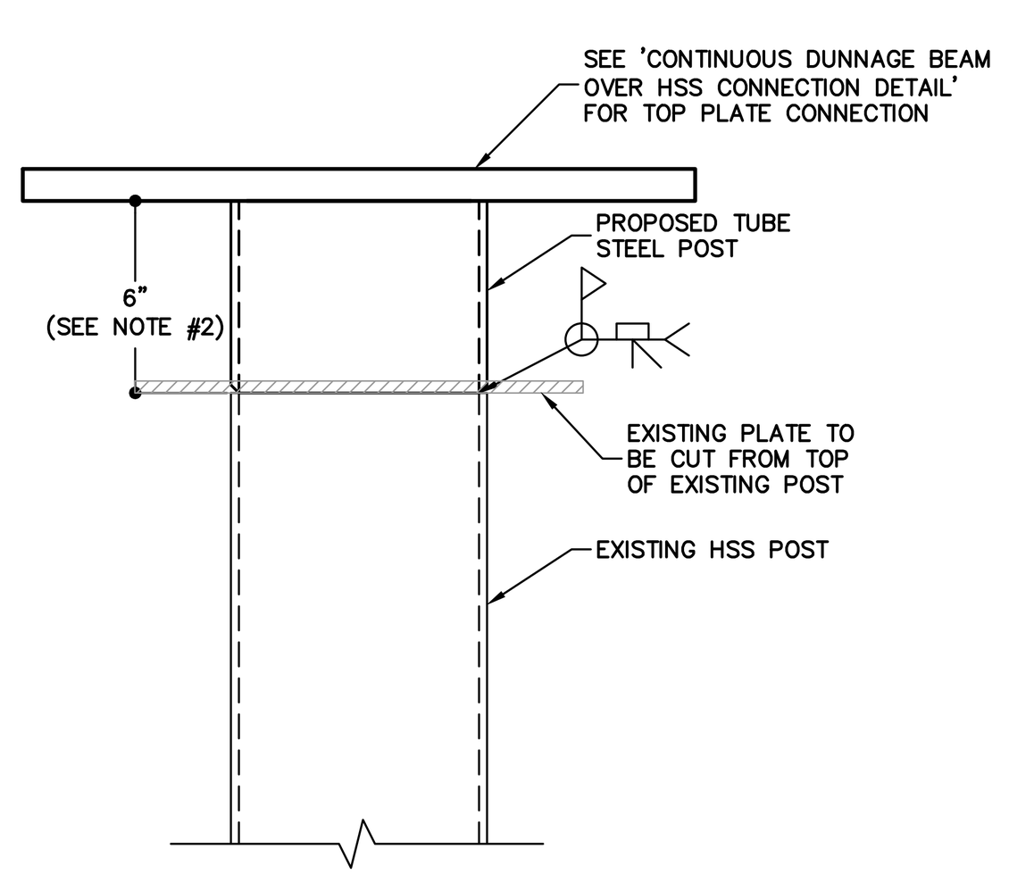


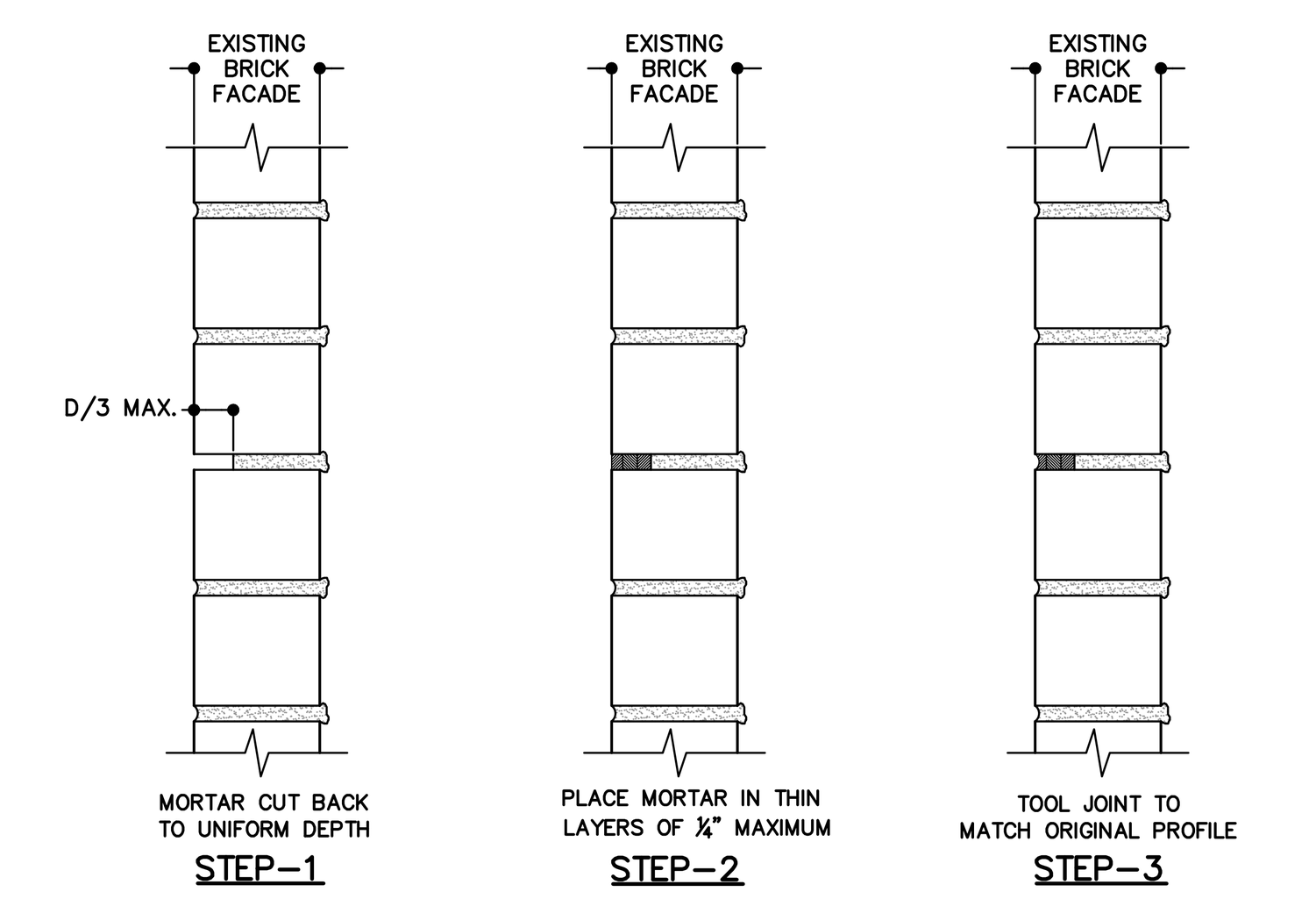
TYPICAL WEB STIFFENER WELDING DETAIL
(W6 TO W14)
N.T.S.

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 MANUEL. STEEL DETAILER TO COORDINATE.



EXISTING HSS POST SPLICE DETAIL
N.T.S.

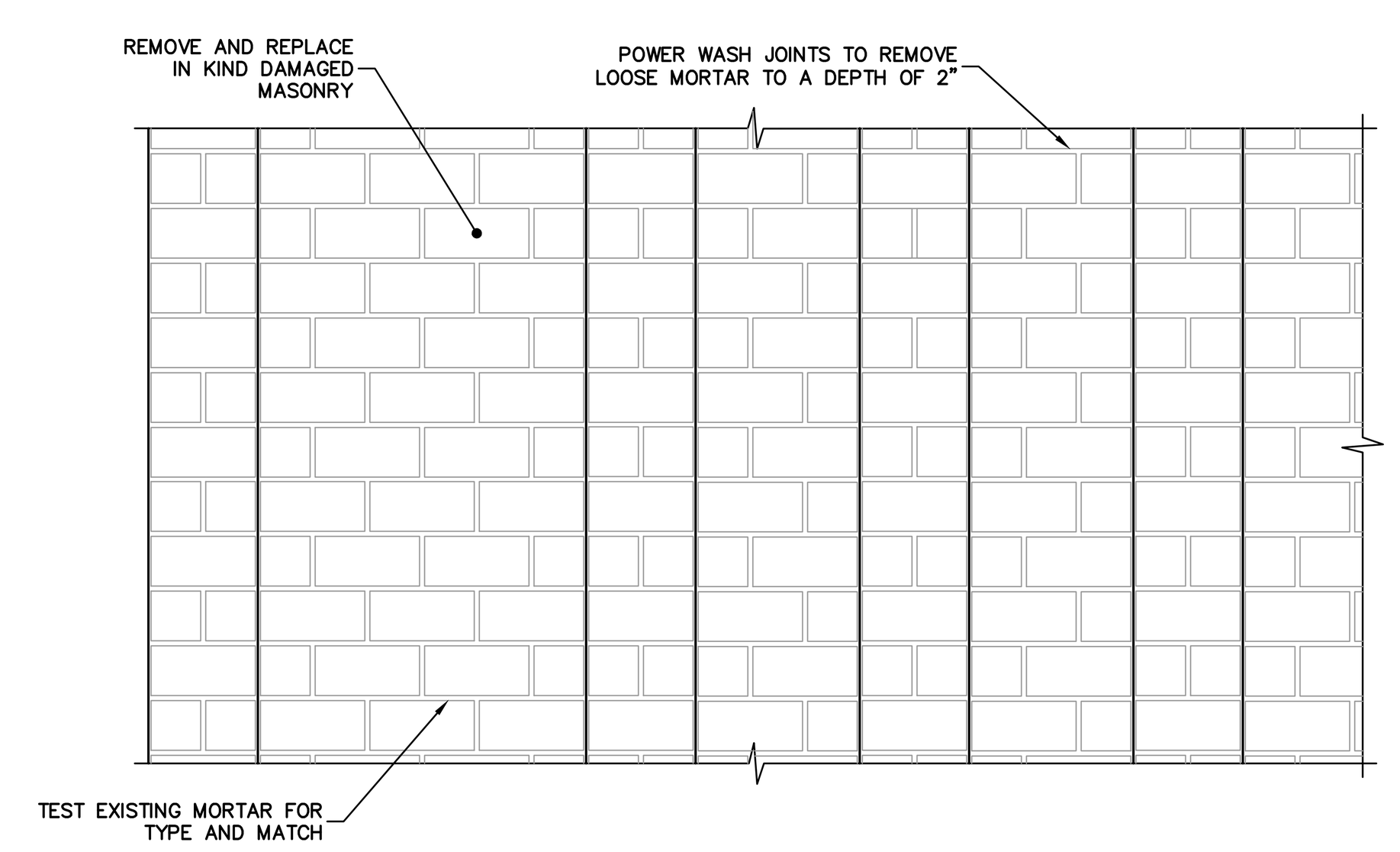
NOTES:
1. SPLICE CONNECTIONS ARE SUBJECT TO CHANGE DURING SHOP DRAWING REVIEW.
2. G.C. TO VERIFY LENGTH OF NEW HSS POST SUCH THAT TOP OF DUNNAGE BEAMS ARE 4'–6" ABOVE ROOF LEVEL.



BRICK REPOINTING DETAILS
N.T.S.

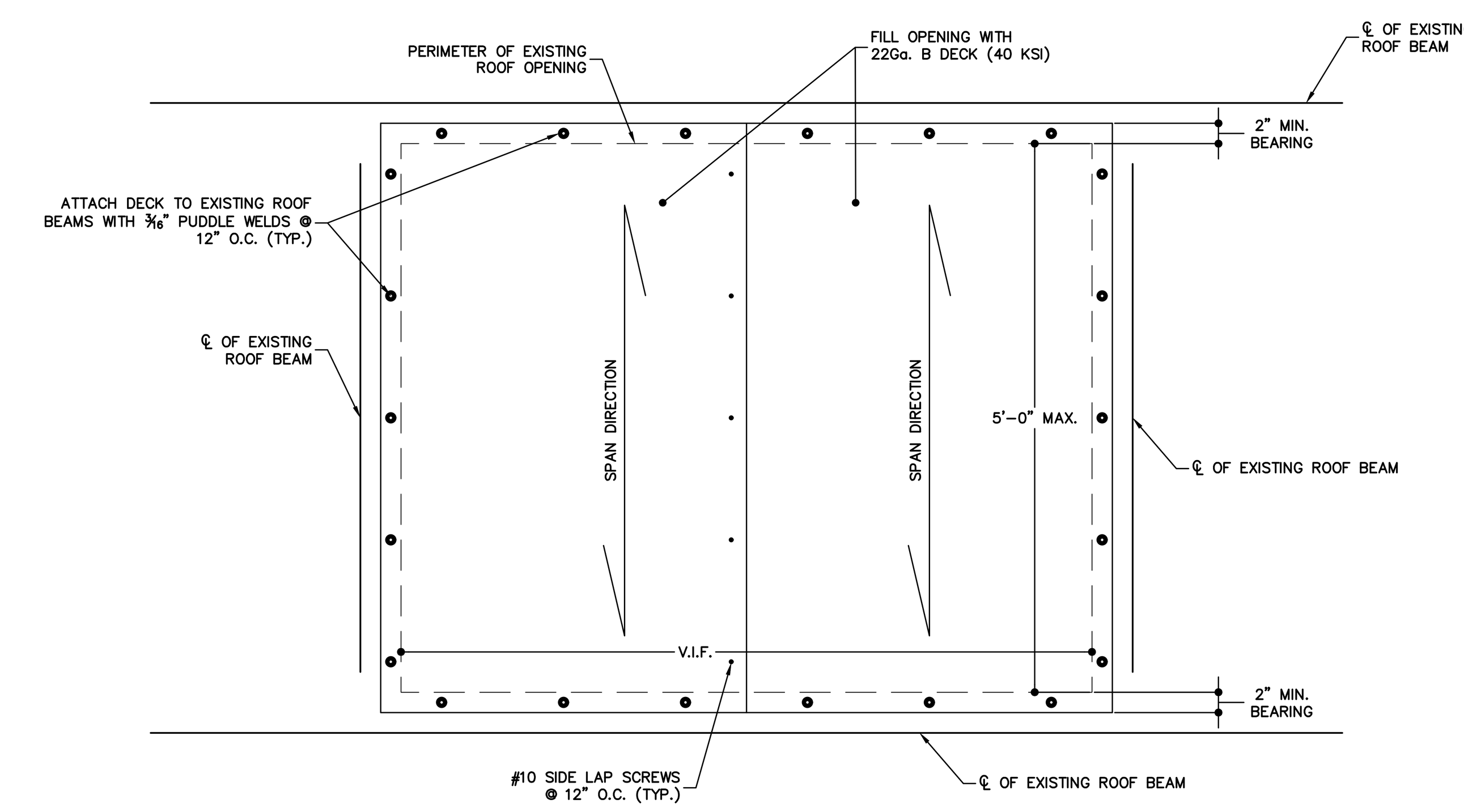
REPOINTING PROCEDURE:

1. REMOVE OLD MORTAR TO A DEPTH OF ⅜" TO ½", OR UNTIL SOUND MORTAR IS REACHED. DO NOT REMOVE MORTAR IN EXCESS OF ONE–THIRD THE DEPTH OF MASONRY UNITS. THE PROFILE OF THE RESULTING JOINT SHOULD RESEMBLE AS SHOWN ON STEP–1, IN WHICH THE MORTAR HAS BEEN CUT BACK TO A UNIFORM DEPTH.
2. DUST AND DEBRIS SHOULD BE REMOVED FROM THE JOINT BY BRUSHING, RINSING WITH WATER OR BLOWING WITH AIR.
3. UTILIZE PREHYDRATED MORTAR (750 PSI MAX) TO REDUCE SHRINKAGE. MIX IN THE PROPER ADDITIVES, IF ANY, TO MATCH THE COLOR OF EXISTING MORTAR.
4. DAMPENED THE JOINTS TO BE REPOINTED, TO MAKE SURE THAT THE NEW MORTAR MAKES A GOOD BOND.
5. FORCE THE NEW MORTAR INTO JOINTS IN LAYERS ¼" THICK OR LESS TO REDUCE AIRPOCKETS AND VOIDS, AS SHOWN IN STEP–2.
6. EACH LAYER SHOULD BE THUMBPRINT HARD BEFORE THE NEXT IS APPLIED. FINAL JOINT TOOLING SHALL BE DONE THE SAME WAY AS WITH NEW CONSTRUCTION. THE JOINT SHOULD BE TOOLED TO MATCH THE ORIGINAL PROFILE AS SHOWN IN STEP–3.
7. MORTAR TAGS SHOULD BE BRUSHED OFF AFTER THE MORTAR IS DRY, TO REDUCE SMEARING. COMMERCIAL CLEANING COMPOUNDS CAN BE USED TO CLEAN THE WALL.
8. ALL DELAMINATING/DISINTEGRATING BRICKS SHALL BE REPLACED WITH NEW BRICKS.

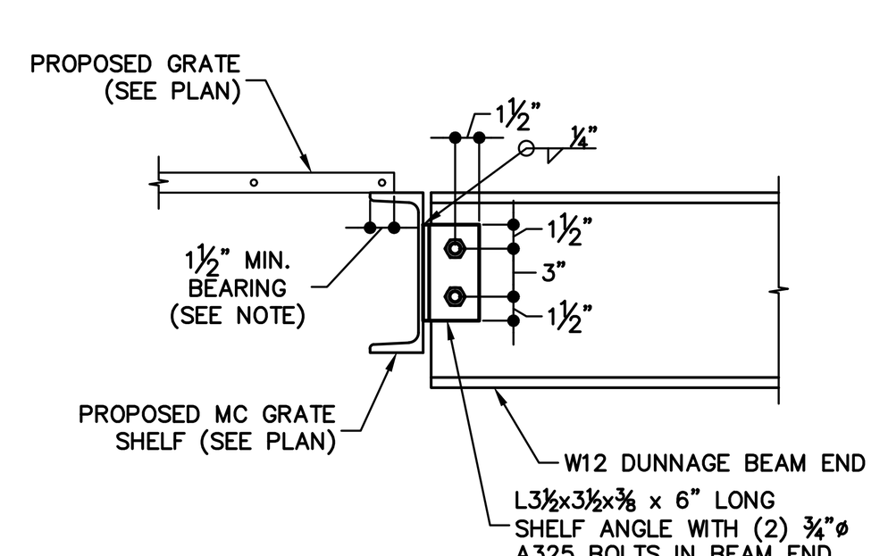


BRICK REPOINTING ELEVATION DETAIL
N.T.S.

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

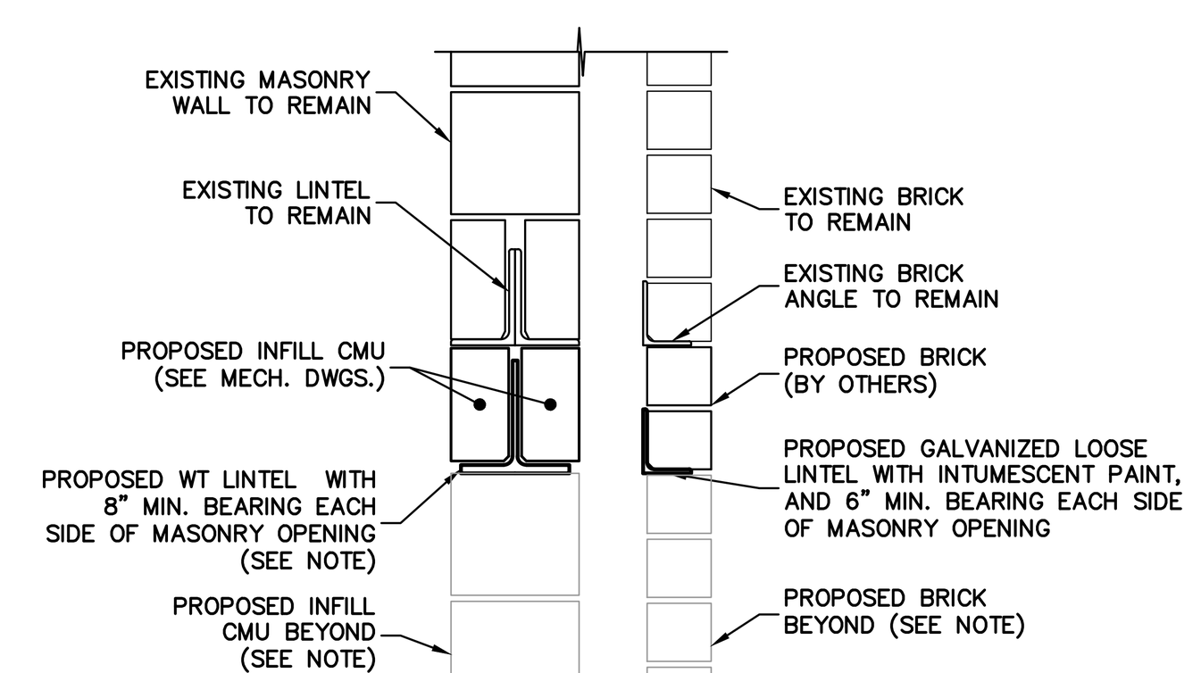


ROOF OPENING INFILL DETAIL
N.T.S.



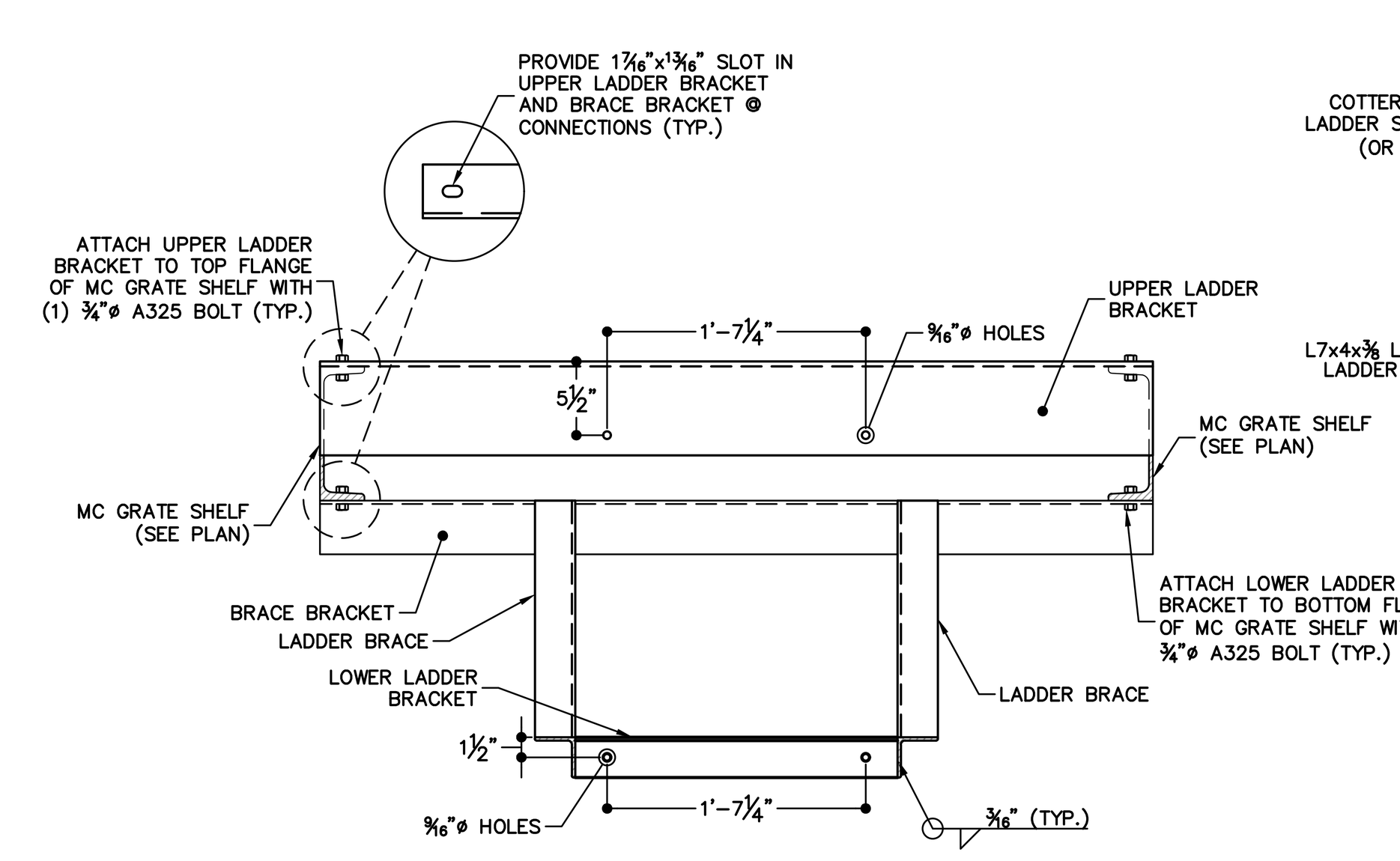
TYPICAL GRADE BEARING AND SHELF CONNECTION DETAIL
N.T.S.

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.

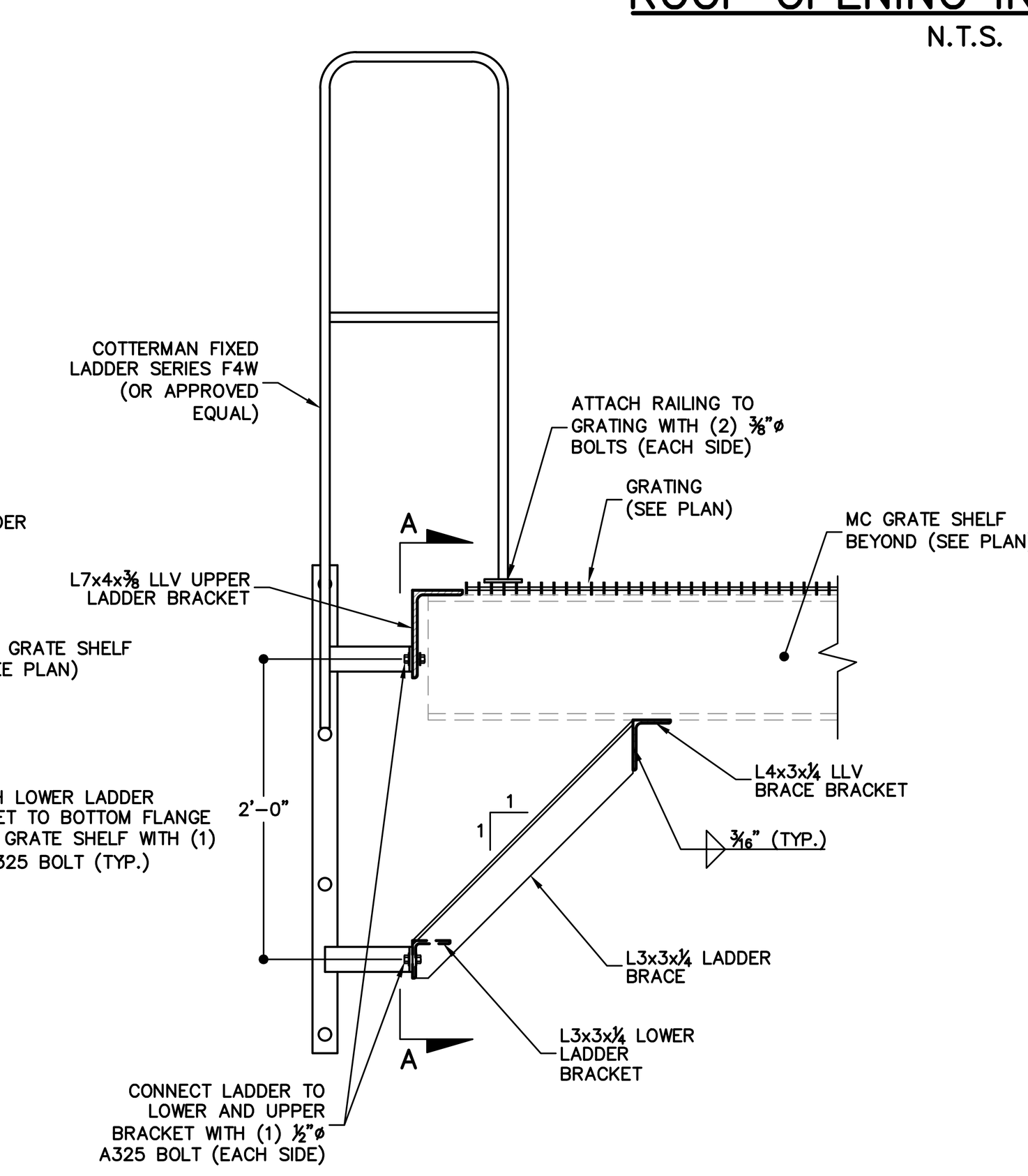


SECTION S1
N.T.S.

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

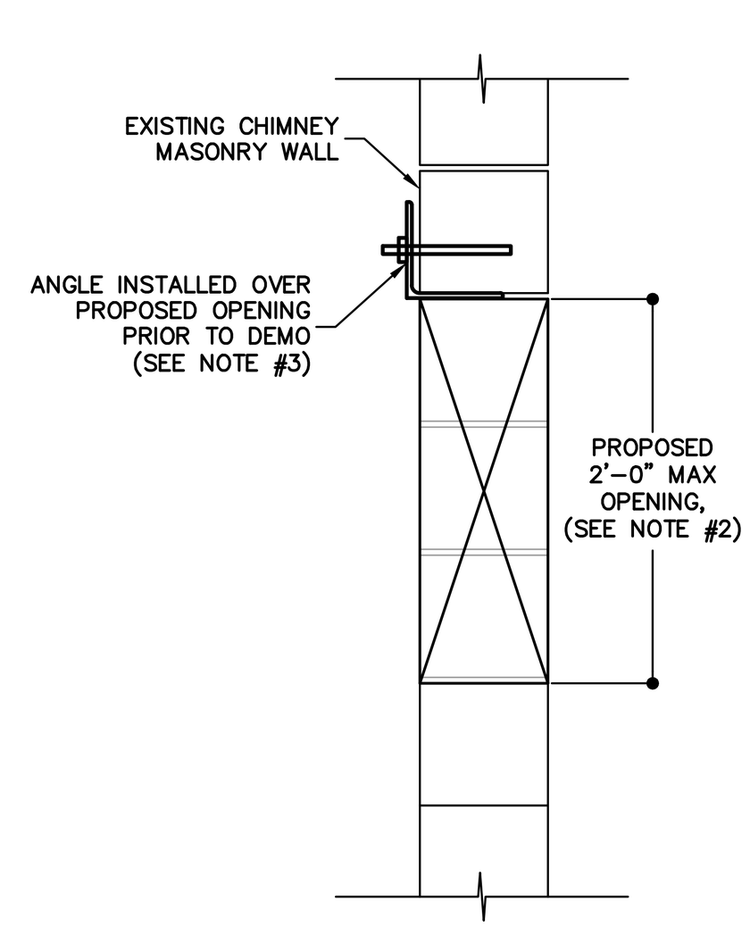


SECTION A–A

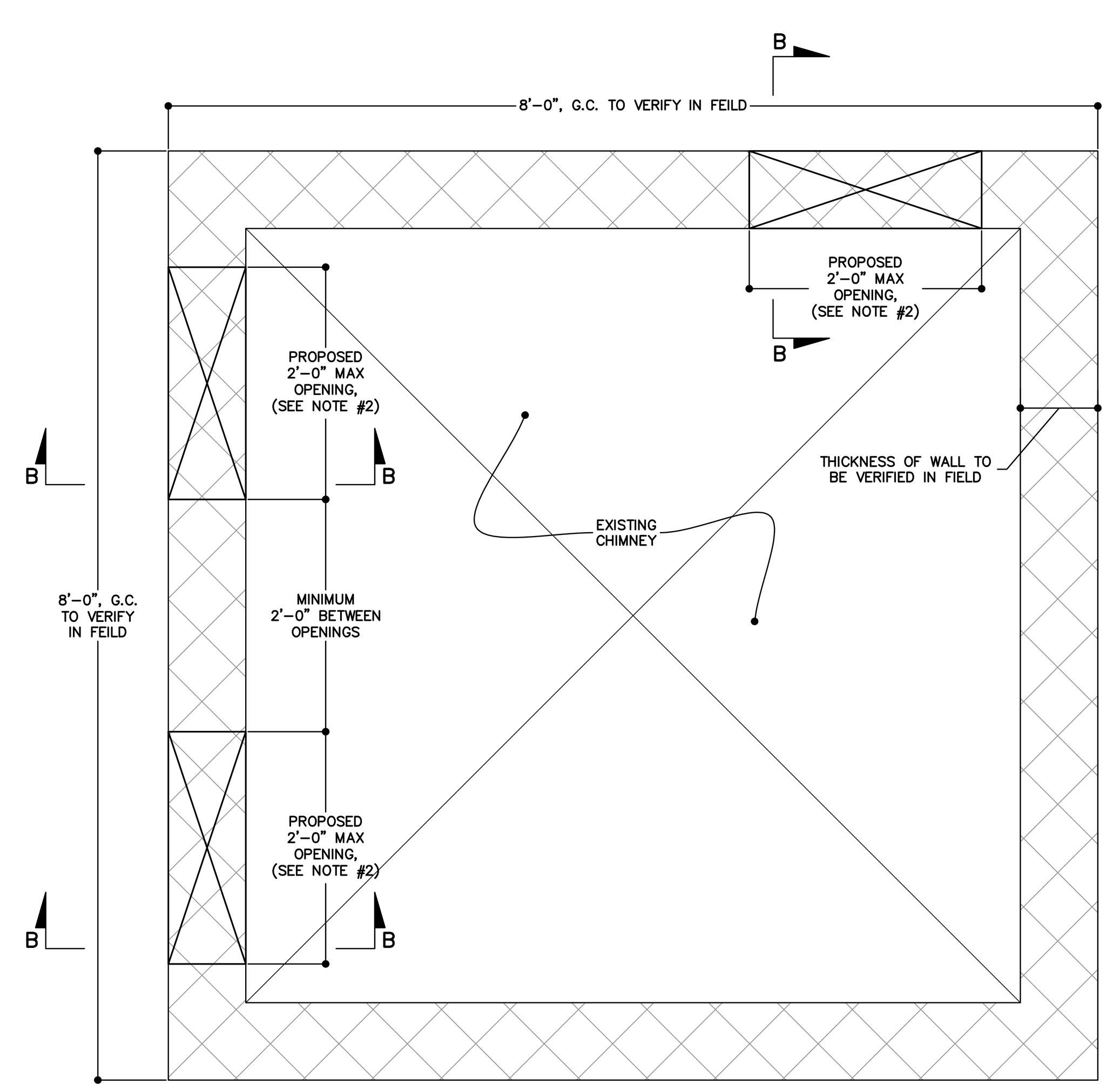


DUNNAGE LADDER FRAMING DETAILS
N.T.S.

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



SECTION B–B



CHIMNEY ACCESS OPENING DETAIL
N.T.S.

NOTE:
1. THICKNESS OF EXISTING CHIMNEY MASONRY WALL TO BE VERIFIED IN FIELD.
2. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS.
3. ANGLE SIZES TO BE DETERMINED FOLLOWING FIELD VERIFICATION OF CHIMNEY MASONRY WALL THICKNESS.

PROCEDURE:
1. SAW CUT THROUGH PART OF WALL TO ALLOW FOR INSTALLATION OF ANGLE LEGS.
2. INSTALL ANGLES AND ANGLE ANCHORAGE.
3. REMOVE MASONRY BELOW ANGLES TO PROVIDE MECHANICAL OPENINGS AS SHOWN.

DETAIL IN PROGRESS

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KEYPLAN

CAMPUS - KEYPLAN

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DRAWING TITLE
STRUCTURAL DETAILS

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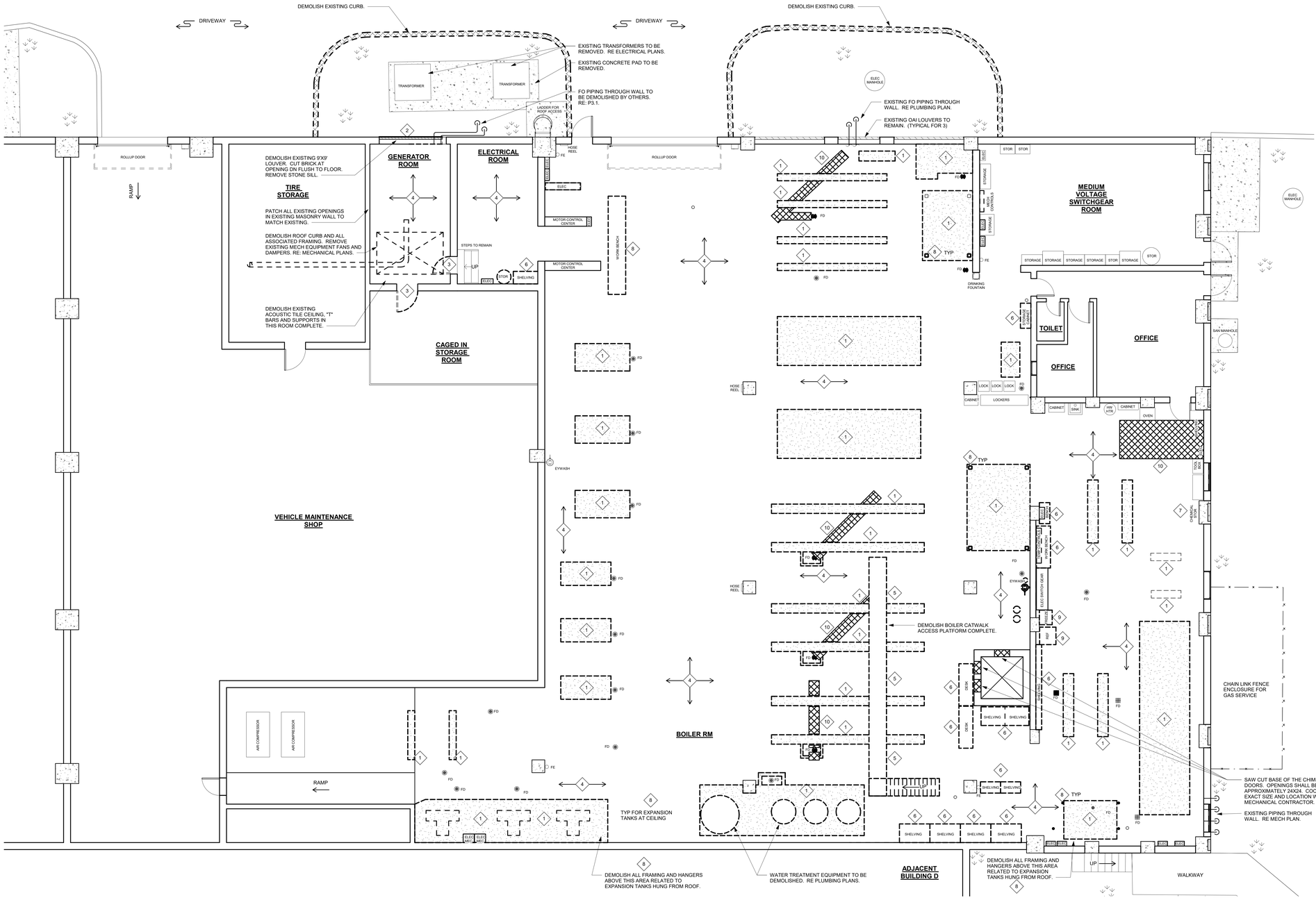

GEN. CONSTRUCTION DEM. NOTES

1. DEMOLISH ALL EXISTING EQUIPMENT CONCRETE HOUSEKEEPING PADS AND SUPPORTS COMPLETE. PATCH FLOOR TO MATCH EXISTING. TRAWL FLOOR SMOOTH TO MATCH EXISTING.
2. DEMOLISH EXISTING LOUVER FRAME ASSEMBLY, MOTORIZED DAMPER, AND ACTUATOR ASSEMBLY. TRAWL SURFACE SMOOTH..
3. DEMOLISH EXISTING DOOR INCLUDING FRAME AND HARDWARE.
4. 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.
5. DEMOLISH EXISTING MAINTENANCE STAIR & PLATFORM AND DISPOSE.
6. 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 TROLLYS, ROLLING WORK BENCHES, LOOSE MATERIALS ETC. SHALL BE RELOCATED WITHIN THE BOILER ROOM FOR CONVENIENCE AND SHALL BE COORDINATED WITH THE LOCAL MAINTENANCE STAFF.
7. REMOVE & STORE EXISTING FLAMMABLE STORAGE CABINET. PATCH WALL WHERE VENT PENETRATES TO THE EXTERIOR. PROVIDE ADEQUATE VENTILATION IN TEMPORARY STORAGE LOCATION.
8. DEMOLISH ALL EXISTING STEEL STRUCTURAL SUPPORTS FOR EXPANSION TANKS, BOILER FEED TANKS ETC. ALL SUPPLEMENTAL STRUCTURAL STEEL SHALL BE REMOVED.
9. RELOCATE EXISTING REFRIGERATOR AND FREEZER. COORDINATE NEW LOCATION WITH LOCAL MAINTENANCE STAFF.
10. 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.
11. THE CONTRACTORS SHALL SUBMIT FOR REVIEW 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.

GENERAL CONSTRUCTION - DEMOLITION FLOOR PLAN

NORTH

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

CLIENT

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KEYPLAN

BULDING E
AREA OF WORK

CAMPUS - KEYPLAN

NORTH

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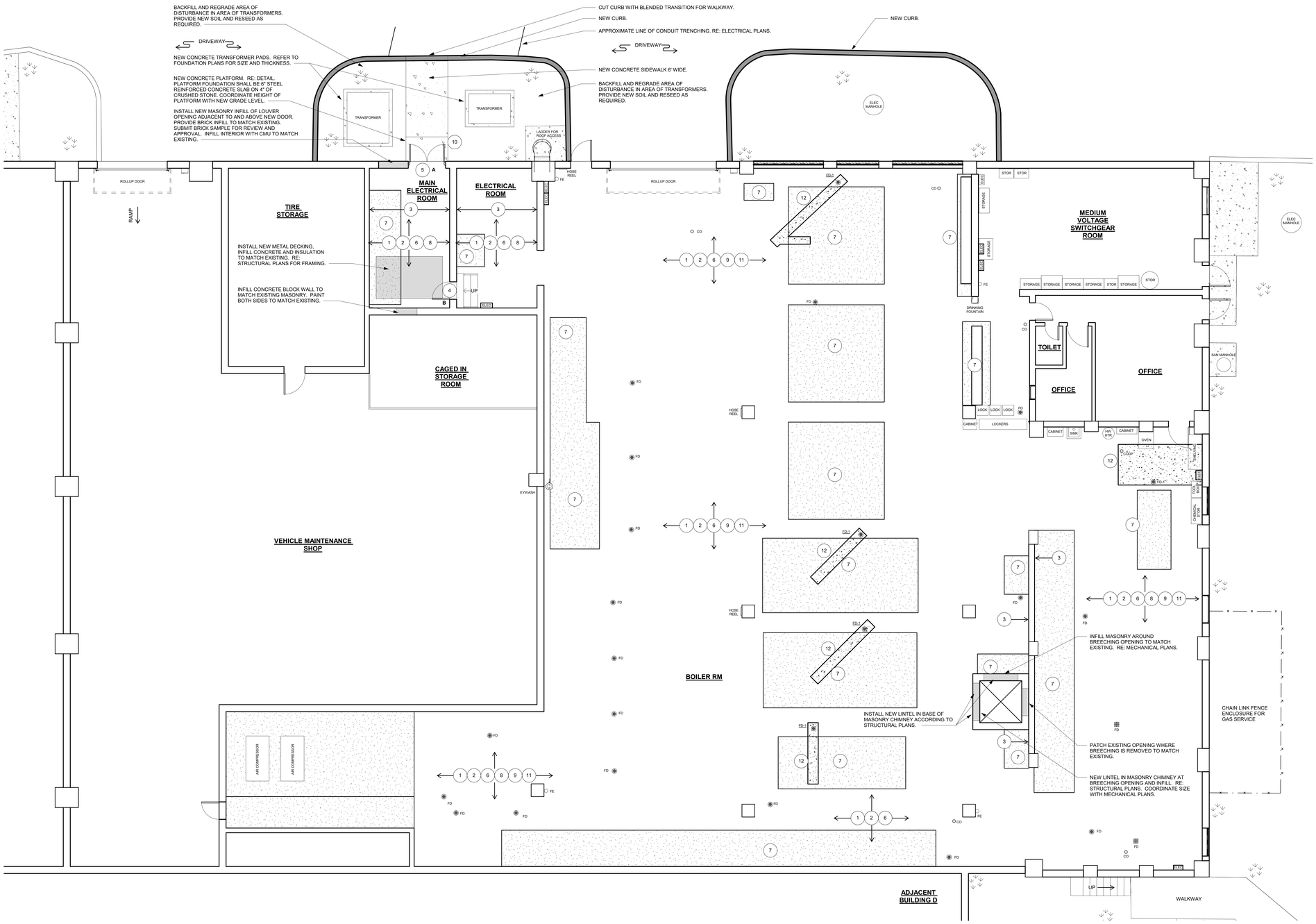
DRAWING TITLE

GENERAL CONSTRUCTION
DEMOLITION FLOOR PLAN

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



Ⓧ GEN. CONSTRUCTION NOTES

1. 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.

2. PAINTING: PAINT ALL FLOORS AND CONCRETE HOUSEKEEPING PADS IN ALL ROOMS. FLOOR SHALL BE PRIMED AND PAINTED WITH GRAY URETHANE ALKYD ENAMEL. ALL NEW AND EXISTING EQUIPMENT PADS TO REMAIN SHALL BE PRIMED AND PAINTED WITH BRIGHT YELLOW URETHANE ALKYD ENAMEL. PAINT SHALL BE SHERWIN-WILLIAMS OR BENJAMIN MOORE. SUBMIT PRODUCT SPECIFICATION TO ENGINEER FOR REVIEW AND APPROVAL.

3. 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.

4. NEW 2 HOUR RATED DOOR FRAME AND HARDWARE. RE: DOOR "B" IN DOOR SCHEDULE.

5. NEW 2 HOUR RATED DOOR FRAME AND HARDWARE. RE: DOOR "A" IN DOOR SCHEDULE.

6. 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 2-146 HIGH DENSITY CEMENTITIOUS FIRE PROOFING. USE FIRE BOND BONDING AGENT. PREP EXISTING STEEL AND CONCRETE AS PER THE MANUFACTURERS SPECIFICATIONS.

7. NEW 6" CONCRETE HOUSEKEEPING PAD. COORDINATE EXACT LOCATION AND SIZE WITH MECHANICAL PLANS SUCH THAT PAD IS 6" LONGER AND WIDER THAN UNIT FOOTPRINT.

8. ALL EXISTING STEEL ROOF FRAMING INCLUDING EXPOSED COLUMNS CROSS MEMBERS AND DECKING SHALL BE FIRE PROOFED WITH SPRAY ON FIRE RESISTIVE MATERIAL. ALL MATERIALS SHALL MEET ASTM 119, ASTM E736, E605. CLEAN AND PREPARE ALL SURFACES IN ACCORDANCE WITH MANUFACTURERS 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.

9. PAINT WALLS & COLUMNS WHITE FROM FLOOR TO CEILING. PRIME ALL PATCHED OR IN FILLED AREAS. PAINT WITH SATIN URETHANE ALKYD ENAMEL. PAINT SHALL BE SHERWIN WILLIAMS OR BENJAMIN MOORE. SUBMIT PRODUCT SPECIFICATION TO ENGINEER FOR REVIEW AND APPROVAL.

10. 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.

11. 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.

12. 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.

BACKFILL AND REGRADE AREA OF DISTURBANCE IN AREA OF TRANSFORMERS. PROVIDE NEW SOIL AND RESEED AS REQUIRED.

NEW CONCRETE TRANSFORMER PADS. REFER TO FOUNDATION PLANS FOR SIZE AND THICKNESS.

NEW CONCRETE PLATFORM. RE: DETAIL. PLATFORM FOUNDATION SHALL BE 6" STEEL REINFORCED CONCRETE SLAB ON 4" OF CRUSHED STONE. COORDINATE HEIGHT OF PLATFORM WITH NEW GRADE LEVEL.

INSTALL NEW MASONRY INFILL OF LOUVER OPENING ADJACENT TO AND ABOVE NEW DOOR. PROVIDE BRICK INFILL TO MATCH EXISTING. SUBMIT BRICK SAMPLE FOR REVIEW AND APPROVAL. INFILL INTERIOR WITH CMU TO MATCH EXISTING.

CUT CURB WITH BLENDED TRANSITION FOR WALKWAY.

NEW CURB.

APPROXIMATE LINE OF CONDUIT TRENCHING. RE: ELECTRICAL PLANS.

NEW CONCRETE SIDEWALK 6' WIDE.

BACKFILL AND REGRADE AREA OF DISTURBANCE IN AREA OF TRANSFORMERS. PROVIDE NEW SOIL AND RESEED AS REQUIRED.

NEW CURB.

INSTALL NEW METAL DECKING, INFILL CONCRETE AND INSULATION TO MATCH EXISTING. RE: STRUCTURAL PLANS FOR FRAMING.

INFILL CONCRETE BLOCK WALL TO MATCH EXISTING MASONRY. PAINT BOTH SIDES TO MATCH EXISTING.

INFILL MASONRY AROUND BREECHING OPENING TO MATCH EXISTING. RE: MECHANICAL PLANS.

INSTALL NEW LINTEL IN BASE OF MASONRY CHIMNEY ACCORDING TO STRUCTURAL PLANS.

PATCH EXISTING OPENING WHERE BREECHING IS REMOVED TO MATCH EXISTING.

NEW LINTEL IN MASONRY CHIMNEY AT BREECHING OPENING AND INFILL. RE: STRUCTURAL PLANS. COORDINATE SIZE WITH MECHANICAL PLANS.

NORTH

① GENERAL CONSTRUCTION - NEW WORK PLAN

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

CLIENT

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KEYPLAN

CAMPUS - KEYPLAN

NO.	DESCRIPTION	DATE
2	RE-ISSUED FOR BID	07/24/2022
1	ISSUED FOR BID	11/01/2021

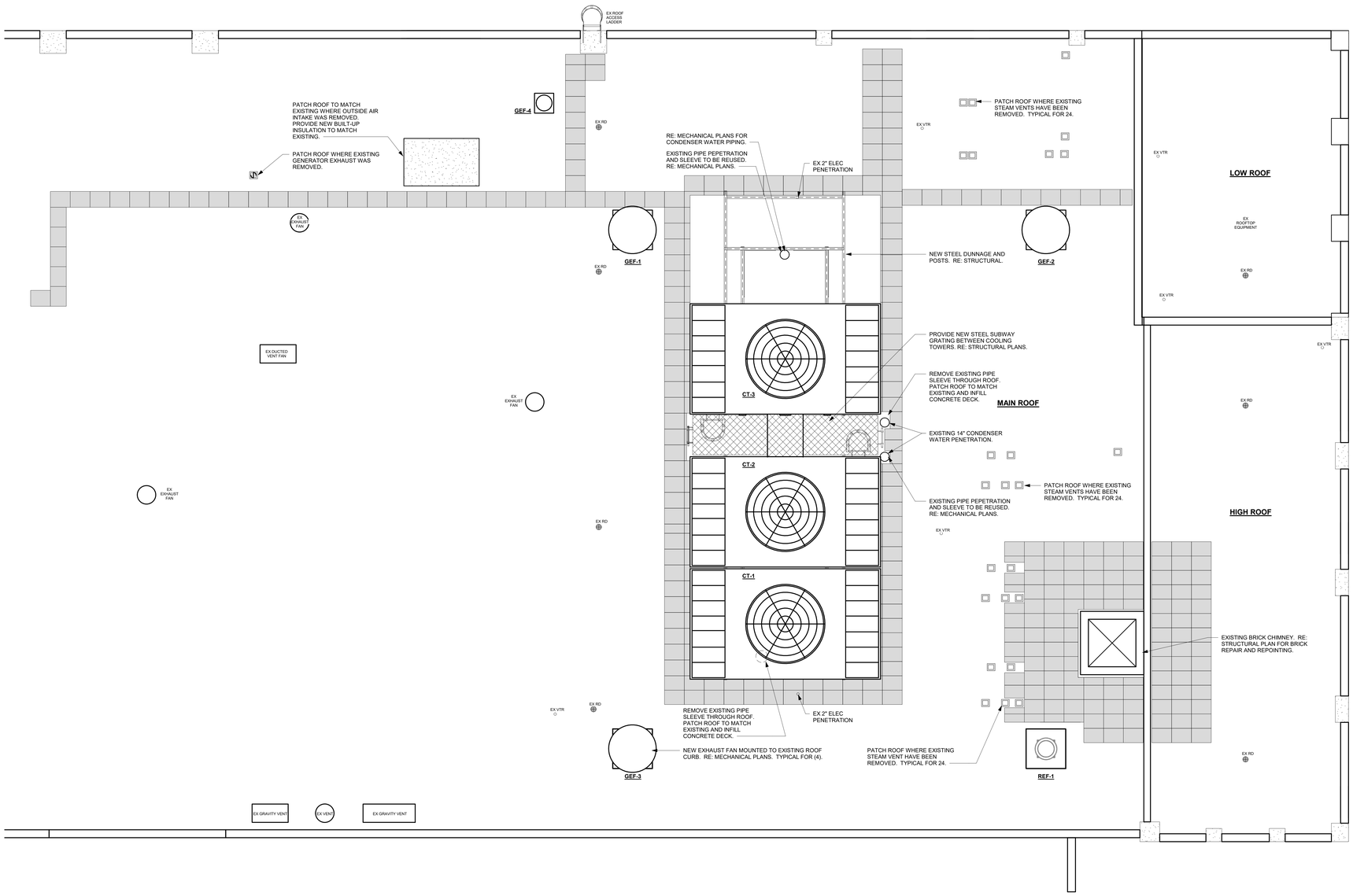
PROJECT

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

DRAWING TITLE

GENERAL CONSTRUCTION
NEW WORK FLOOR PLAN

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



1 NORTH

GENERAL CONSTRUCTION - NEW WORK ROOF PLAN

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

NOTES:

1. 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.
2. ALL ROOF WORK SHALL BE PERFORMED BY THE BONDED ROOFING CONTRACTOR.
3. 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.

CLIENT

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KEYPLAN

BULDING E
AREA OF WORK

CAMPUS - KEYPLAN

NORTH

NO.	DESCRIPTION	DATE
2	RE-ISSUED FOR BID	07/24/2022
1	ISSUED FOR BID	11/01/2021

PROJECT

CAPITAL PROJECT 4466
BUILDING E UTILITY PLANT
RENOVATION & IMPROVEMENTS
DR. ROBERT L. YEAGER HEALTH CENTER

50 SANATORIUM ROAD,
POMONA, NY 10970

DRAWING TITLE

GENERAL CONSTRUCTION
NEW WORK ROOF PLAN

SEAL	SCALE	PROJECT NO.
	3/16" = 1'-0"	NRCK00016.00
	DRAWN BY: NW	DRAWING NO.
	CHECKED BY: RS	GC2.2
	DATE: 04-28-2020	

DESIGN INTENT NOTES

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 MINIMUM PHASING REQUIREMENTS TO CONVEY THE DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL PHASING OF WORK INCLUDING ALL NECESSARY LABOR AND MATERIALS, TEMPORARY WORK, PIPING 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 TEMPORARY BOILERS AND CHILLERS FOR AS 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 CONTROLS AND MODIFICATIONS TO EXISTING CONTROLS IN ORDER TO FACILITATE THE INTEGRATION OF TEMPORARY AND NEW SYSTEMS SO THAT THE BUILDINGS ARE CONTINUALLY SERVED WITH HOT WATER AND 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 AS WELL THE NEW PRIMARY/SECONDARY PIPING SYSTEMS AS WELL AS ALL NECESSARY SUNDRY ITEMS SUCH AS PUMPS, COOLING TOWERS BREECHING, 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 SECONDARY PUMPS SHALL REMAIN CONNECTED TO EXISTING 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 FOR EACH BUILDING. WHEN ALL BUILDINGS ARE CONNECTED TO THEIR NEW SECONDARY PUMP SETS AND THEN NEW PLANT DEMOLITION OF THE REMAINING EXISTING PUMPS, POWER AND CONTROLS CAN BEGIN.

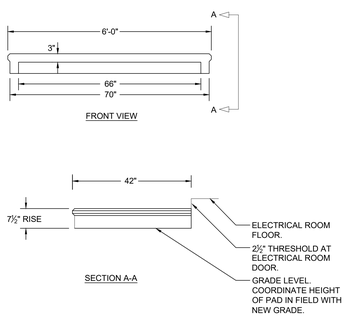
WHEN DEMOLITION OF THE EXISTING ABANDONED EQUIPMENT IS COMPLETE THE NEW DOMESTIC WATER HEATING SYSTEM SHALL BE CONSTRUCTED ALONG WITH MODIFICATIONS TO THE DOMESTIC WATER, SANITARY, STORM AND GAS SYSTEMS. WHEN THE NEW DOMESTIC WATER HEATING SYSTEM HAS BEEN CONSTRUCTED AND IS FULLY OPERATIONAL AND CONNECTED TO THE EXISTING DISTRIBUTION SYSTEM, THE EXISTING HEATING SYSTEM MAY 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 EQUIPMENT AND SYSTEMS. THIS SHALL INCLUDE SITE WORK AND RESTORATION AS WELL AS CUTTING, PATCHING, PAINTING, CONCRETE, FIRE STOPPING, DOORS AND HARDWARE.

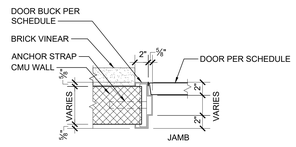
DOOR AND HARDWARE SCHEDULE

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	1¾"	FLUSH	PAINTED METAL	WELDED	STEEL 16GA	PAINTED METAL	1½ HR	ALUMINUM	N/A	PROVIDE SELF CLOSER & HARDWARE AS PER NOTES
B	ELECTRICAL ROOM	HOLLOW METAL	36"	84" VIF	1¾"	FLUSH	PAINTED METAL	WELDED	STEEL 16GA	PAINTED METAL	1½ 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. KEYED TO HOUSE MASTER.
4. EXTERIOR LOCK SET SHALL BE SARGENT OR SCHLAGE BORED TYPE WITH DEAD BOLT, LEVER HANDLES, BRUSHED STEEL. KEYED TO HOUSE MASTER.
5. PROVIDE 3 HINGES PER DOOR. STAINLESS STEEL WITH DUTY BEARING TYPE.
6. PROVIDE DOUBLE DOOR WITH MULTIPOINT (TOP BOTTOM) AUTO-DEAD LOCK ON AUXILIARY DOOR AND PUSH BAR ON EXIT DOOR.

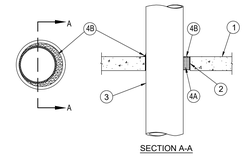


4 EXTERIOR STAIR / PLATFORM DETAIL
SCALE: NONE



3 H.M. FRAME AT MASONRY WALL
SCALE: NONE

SYSTEM NO. C-AJ-1274
AUGUST 23, 2004
F RATING - 3 HR
T RATING - 0 HR
W RATING - CLASS I (SEE ITEM 4)



SECTION A-A

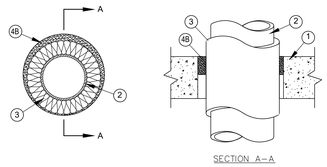
NOTES:
1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 26 IN.
   - SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES 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 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) 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 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.
   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 W RATING APPLIES ONLY WHEN FB-3000 WT IS USED.)

*BEARING THE UL CLASSIFICATION MARKING

2 UNINSULATED PIPE AND CONDUIT FIRE STOPPING DETAIL
SCALE: NONE

SYSTEM NO. C-AJ-5310
JUNE 14, 2007
T RATING - 0 AND 1 HR (SEE ITEM 3)
F RATING - 2 HR



SECTION A–A

1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M³) 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.

3. 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. ANNULAR 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), T 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) 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 OF 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 WT

*BEARING THE UL CLASSIFICATION MARK

1 INSULATED PIPE FIRE STOPPING DETAIL
SCALE: NONE

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KEYPLAN

CAMPUS - KEYPLAN

NO.	DESCRIPTION	DATE
2	RE-ISSUED FOR BID	07/24/2022
1	ISSUED FOR BID	11/01/2021

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

DRAWING TITLE
GENERAL CONSTRUCTION DETAILS

SEAL

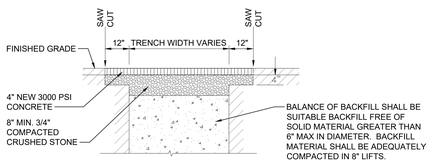
SCALE: NONE	PROJECT NO.: NRCK0016.00
DRAWN BY: NW	DRAWING NO.: GC2.3
CHECKED BY: RS	
DATE: 04-28-2020	

GENERAL CONSTRUCTION NOTES

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-johns (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 1-800-962-7962 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 the removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
13. The contractor will 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 tall 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 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 necessary. 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, stabilized construction 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.

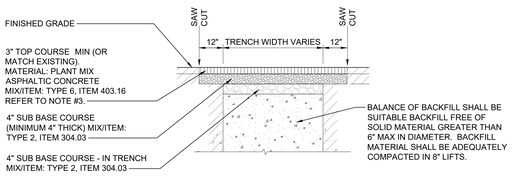
EROSION AND SEDIMENT CONTROL NOTES

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 disposition 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 are 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 1 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 mixture 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: Salt hay or small grain straw applied at a rate of 90 lbs/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. Gross 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 Specification, Construction and Materials, Section 610-3.02, 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 Curlex 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.
12. All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
13. Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
14. 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.
15. Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
16. Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
17. All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
18. The O.F.R. shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.
19. 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.
20. Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.



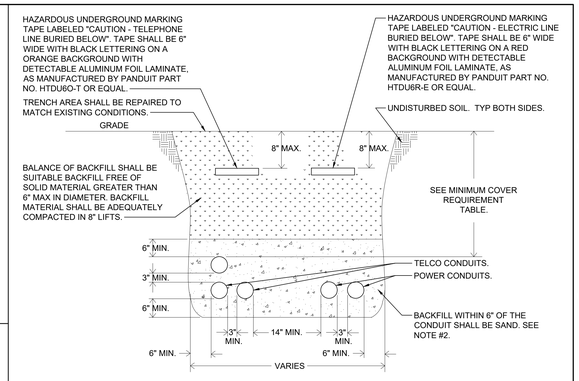
NOTES:
1. REFER TO TRENCHING DETAIL FOR TRENCH INFORMATION.

4 CONCRETE PAVEMENT REPLACEMENT DETAIL
SCALE: NONE



NOTES:
1. THICKNESS INDICATED REFERS TO COMPACTED MEASURE.
2. ITEM NUMBERS REFER TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
3. REFER TO TRENCHING DETAIL FOR TRENCH INFORMATION.

3 BITUMINOUS PAVEMENT REPLACEMENT DETAIL
SCALE: NONE

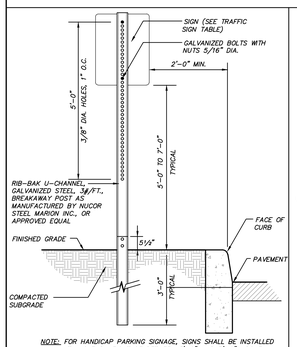


NOTES:
1. DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.
2. SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.
3. CONDUIT AND WIRING FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

2 TRENCHING DETAIL
SCALE: NONE

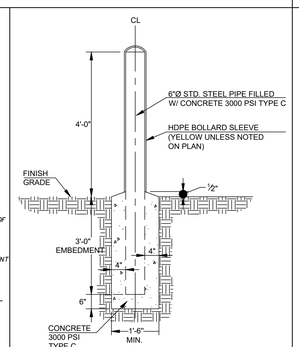
MINIMUM COVER REQUIREMENT TABLE

LOCATION	NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS
ALL LOCATION NOT SPECIFIED BELOW.	18"
IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT.	12"
UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION.	4" SEE NOTE #2.
UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.	24"

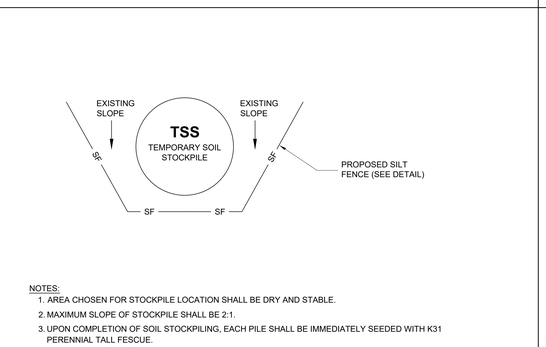


NOTE: FOR HANDICAP PARKING SIGNAGE, SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN 5'-0" AND 7'-0" ABOVE GRADE OF PARKING SPACE AND SUCH THAT SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

9 TRAFFIC SIGN DETAIL
SCALE: NONE

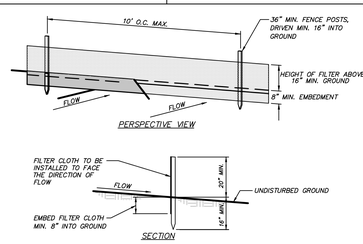


8 BOLLARD DETAIL
SCALE: NONE



NOTES:
1. AREA CHOSEN FOR STOCKPILE LOCATION SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE IMMEDIATELY SEEDED WITH K31 PERENNIAL TALL FESCUE.
4. ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING INSTALLED ON THE DOWNGRADIENT SIDE.

5 TEMPORARY STOCKPILE DETAIL
SCALE: NONE

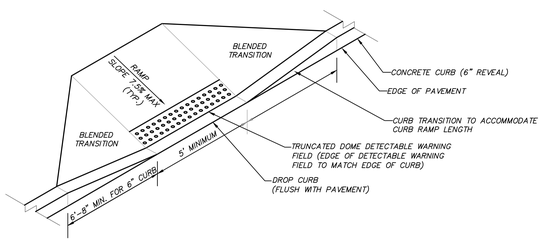


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FILTER CLOTH: FILTER X, MIRAFI 100X, STABLINKA T140N, OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

7 SILT FENCE DETAIL
SCALE: NONE



6 SIDEWALK DROP CURB DETAIL
SCALE: NONE

SOIL RESTORATION REQUIREMENTS[1,2]

(ONSITE SOILS WITHIN THE LIMIT OF DISTURBANCE BELONG TO THE HYDROLOGIC SOIL GROUP (HSG) B)

THE CONTRACTOR SHALL BE REQUIRED TO PERFORM THE FOLLOWING SOIL RESTORATION TECHNIQUES PRIOR TO INSTALLING TOPSOIL, SEED AND MULCH. ITEMS STRIKEN IN THE FOLLOWING TABLE DO NOT NEED TO BE PERFORMED.

TYPE OF SOIL DISTURBANCE	SOIL RESTORATION REQUIREMENT		COMMENTS/EXAMPLES
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only – no change in grade	HSG A & B: Apply 6" of topsoil	HSG C & D: Aerate[1] and apply 6" of topsoil	Protect area from any ongoing construction activities
Areas of cut or fill	HSG A & B: Aerate[1] and apply 6" of topsoil	HSG C & D: Apply full Soil Restoration[1]	
Heavy traffic areas on site (especially in a zone 5–25 feet around buildings but not within a 5 foot perimeter around foundation walls.)	Apply full Soil Restoration[1] (de–compaction and compost enhancement)[1]		
Areas where runoff reduction and/or infiltration practices are applied	Restoration not required, but may be applied for appropriate practices.		Keep construction equipment from crossing these areas. To protect newly installed practices from any ongoing construction activities construction a single phase operation fence area.
Redevelopment projects	Soil restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.		

1. Aeration includes the use of machines such as tractor–drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini–subsoiler.
2. Per Deep Ripping and De–compaction, DEC 2008 .
3. Aeration includes the use of machines such as tractor–drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which functions like a mini–subsoiler.
4. During periods of relatively low to moderate subsoil moisture, the disturbed soils are returned to rough grade and the following Soil Restoration steps applied:
   a. Apply 3 inches of compost over subsoil.
   b. Till compost into subsoil to a depth of at least 12 inches using a cat–mounted ripper, tractor–mounted disc, or tiller, mixing, and circulating air and compost into subsoils.
   c. Rock–pick until uplifted stone/rock materials of four inches and larger size area cleaned off the site.
   d. Apply topsoil to a depth of 6 inches.
   e. Vegetate as required by seeding notes located on the project drawings.
   f. Tilling should not be performed within the drip line of any existing trees or over any utility installations that are within 24 inches of the surface.
5. Compost shall be aged, from plant derived materials, free of viable weed seeds, have no viable free water or dust produced when handling, pass through a half inch screen and have a pH suitable to grow desired plants.

EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE

MONITORING REQUIREMENTS				MAINTENANCE REQUIREMENTS	
PRACTICE	DAILY	WEEKLY	AFTER RAINFALL	DURING CONSTRUCTION	AFTER CONSTRUCTION
SILT FENCE BARRIER	–	Inspect	Inspect	Clean/Replace	Remove
STABILIZED CONSTRUCTION ENTRANCE	Inspect	–	Inspect	Clean/Replace Stone and Fabric	Remove
DUST CONTROL	Inspect	–	Inspect	Mulching/ Spraying Water	N/A
*VEGETATIVE ESTABLISHMENT	–	Inspect	Inspect	Water/Reseed/ Remulch	Reseed to 80% Coverage
INLET PROTECTION	–	Inspect	Inspect	Clean/Repair/ Replace	Remove
SOIL STOCKPILES	–	Inspect	Inspect	Mulching/ Silt Fence Repair	Remove
SWALES	–	Inspect	Inspect	Clean/Mulch/ Repair	Mow Permanent Grass/Replace/ Repair Rip Rap
CHECK DAMS	–	Inspect	Inspect	Clean/Replace Stones/Repair	Clean/Replace Stones/Repair
CONCRETE DRAINAGE STRUCTURES	–	Inspect	Inspect	Clean Sumps/ Remove Debris/ Repair/Replace	Clean Sumps/ Remove Debris/ Repair/Replace
DRAINAGE PIPES, ROAD & PAVEMENT	–	Inspect	Inspect	Clean/Repair	Clean/Repair
*STORMWATER TRAP/BASIN	–	Inspect	Inspect	Clean	Clean
CONCRETE TRUCK WASHOUT AREA	–	Inspect	Inspect	Clean/Mulch/ Repair/Reseed	See Permanent Stormwater Facilities Maintenance Schedule on Drawing D–6
	–	Inspect	Inspect	Remove Concrete From Site when Full and Re–establish	Remove

* Permanent vegetation is considered stabilized when 80% of the plant density is established. Erosion control measures shall remain in place until all disturbed areas are permanently stabilized.

NORTH

1 LANDSCAPING PLAN
SCALE: 1" = 10'-0"

CLIENT
Rockland County
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Director Facilities Management
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STRUCTURAL ENGINEER
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Suffern, NY 10901
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brookerengineering.com

ASBESTOS ABATEMENT
QuES&T
Quality Environmental Solutions & Technologies, Inc.
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qualityenv.com

ESTIMATING
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CONSULTING SOLUTIONS, INC
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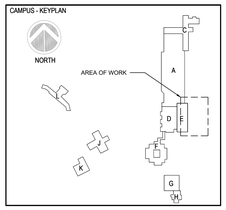
White Plains, NY 10601
914.686.7102
dackconsulting.com

KEYPLAN

CAMPUS - KEYPLAN



NO.	DESCRIPTION	DATE
2	RE-ISSUED FOR BID	07/24/2022
1	ISSUED FOR BID	11/01/2021

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	PROJECT NO.
	AS NOTED	NRCK0016.00
	DRAWN BY: NW	DRAWING NO. L2.1
	CHECKED BY: RS	
	DATE: 04-28-2020	