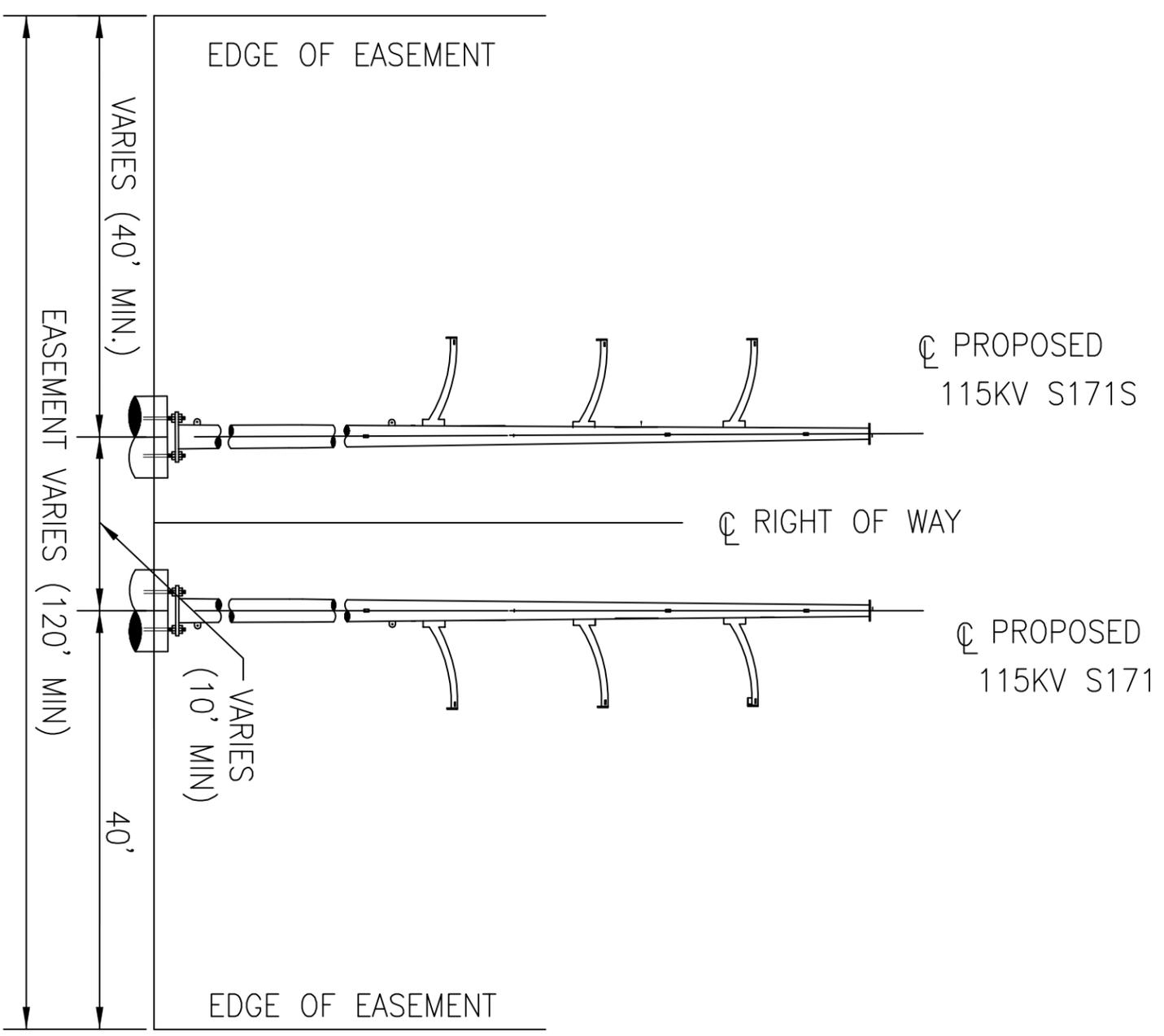


ORIGINAL		REVISIONS							
DATE		REV.	DATE	DESCRIPTION	MADE	CHECKED	INSPECTED	APPROVED	APPROVED
DESIGNED		1							
CHECKED		2							
DRAWN		3							
CHECKED		4							
REVIEWED		5							
APPROVED		6							

D-SK-25135-4

TYPICAL CROSS SECTION OF PROPOSED RIGHT OF WAY

FACING RIDGEWOOD SUBSTATION



INCHES ON ORIGINAL

INCHES ON ORIGINAL

**nationalgrid**

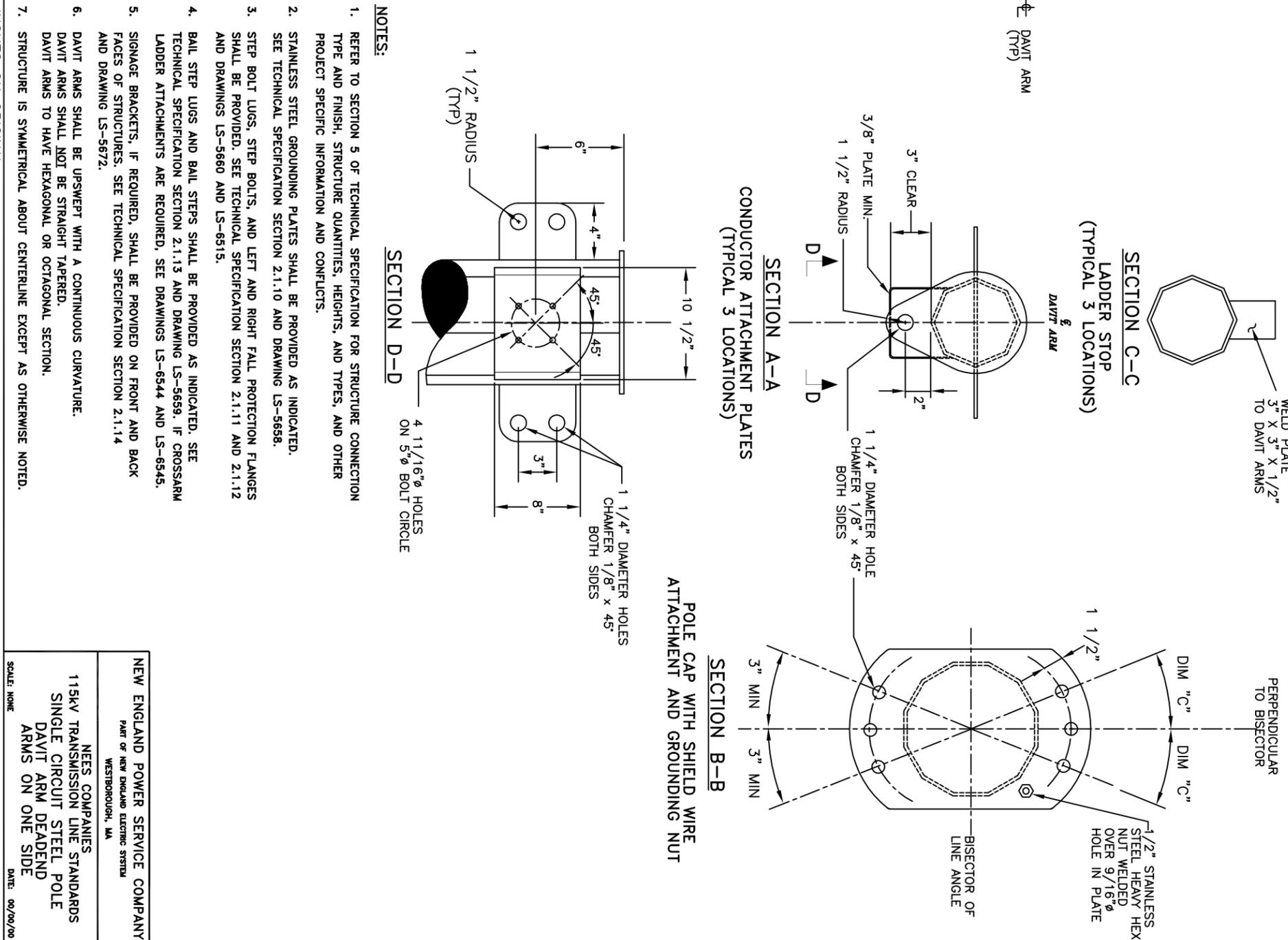
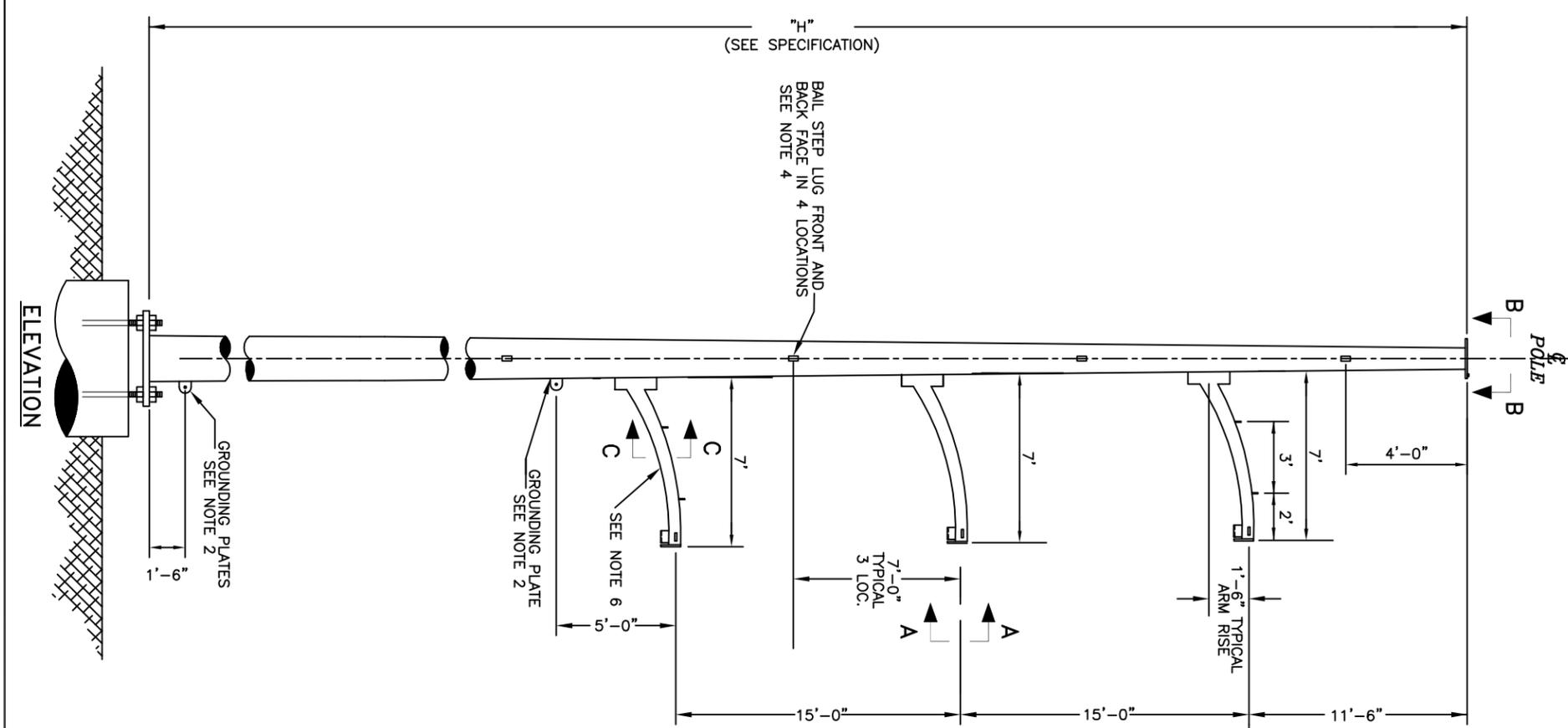
PROPOSED 115KV LOOP  
INTO AND OUT OF PROPOSED  
RIDGEWOOD SUBSTATION  
TYPICAL CROSS SECTION  
S171S & S171

SCALE: 1"=50'

DATE:

D-SK-25135-4

ORIGINAL		REVISIONS										
DATE	00/00/00	REV.	DATE	DESCRIPTION	MADE	CH'K'D.	SUP'V.	INSP.	REV'D.	REV'D.	AP'VD.	AP'VD.
DESIGNED		1										
CHECKED		2										
SUPERVISOR		3										
INSPECTED		4										
REVIEWED		5										
REVIEWED		6										
APPROVED		7										
APPROVED		8										



- NOTES:**
- REFER TO SECTION 5 OF TECHNICAL SPECIFICATION FOR STRUCTURE CONNECTION TYPE AND FINISH, STRUCTURE QUANTITIES, HEIGHTS, AND TYPES, AND OTHER PROJECT SPECIFIC INFORMATION AND CONFLICTS.
  - STAINLESS STEEL GROUNDING PLATES SHALL BE PROVIDED AS INDICATED. SEE TECHNICAL SPECIFICATION SECTION 2.1.10 AND DRAWING LS-5658.
  - STEP BOLT LUGS, STEP BOLTS, AND LEFT AND RIGHT FALL PROTECTION FLANGES SHALL BE PROVIDED. SEE TECHNICAL SPECIFICATION SECTION 2.1.11 AND 2.1.12 AND DRAWINGS LS-5660 AND LS-6515.
  - BALL STEP LUGS AND BALL STEPS SHALL BE PROVIDED AS INDICATED. SEE TECHNICAL SPECIFICATION SECTION 2.1.13 AND DRAWING LS-6544 AND LS-6545. LADDER ATTACHMENTS ARE REQUIRED. SEE DRAWINGS LS-6544 AND LS-6545.
  - SIGNAGE BRACKETS, IF REQUIRED, SHALL BE PROVIDED ON FRONT AND BACK FACES OF STRUCTURES. SEE TECHNICAL SPECIFICATION SECTION 2.1.14 AND DRAWING LS-5672.
  - DAVIT ARMS SHALL BE UPSWEEP WITH A CONTINUOUS CURVATURE. DAVIT ARMS SHALL NOT BE STRAIGHT TAPERED. DAVIT ARMS TO HAVE HEXAGONAL OR OCTAGONAL SECTION.
  - STRUCTURE IS SYMMETRICAL ABOUT CENTERLINE EXCEPT AS OTHERWISE NOTED.

NEW ENGLAND POWER SERVICE COMPANY  
 PART OF NEW ENGLAND ELECTRIC SYSTEM  
 WESTBOROUGH, MA

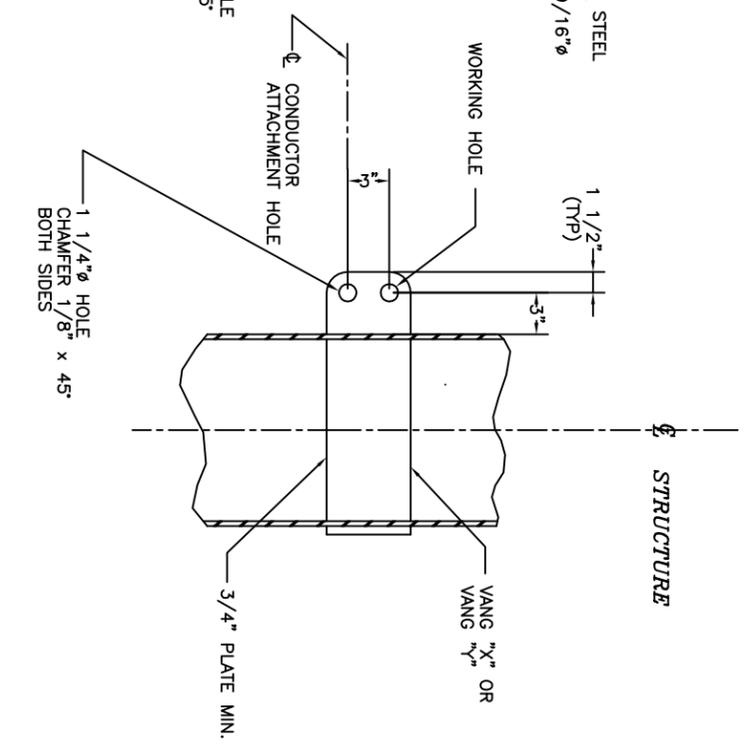
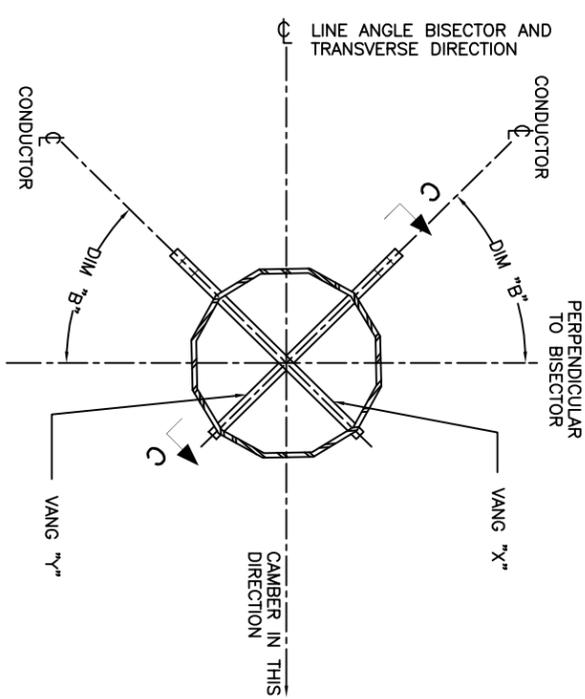
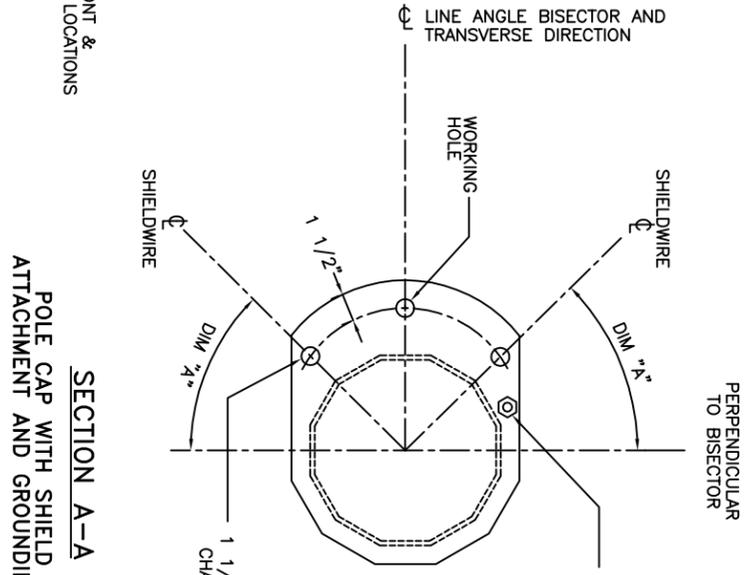
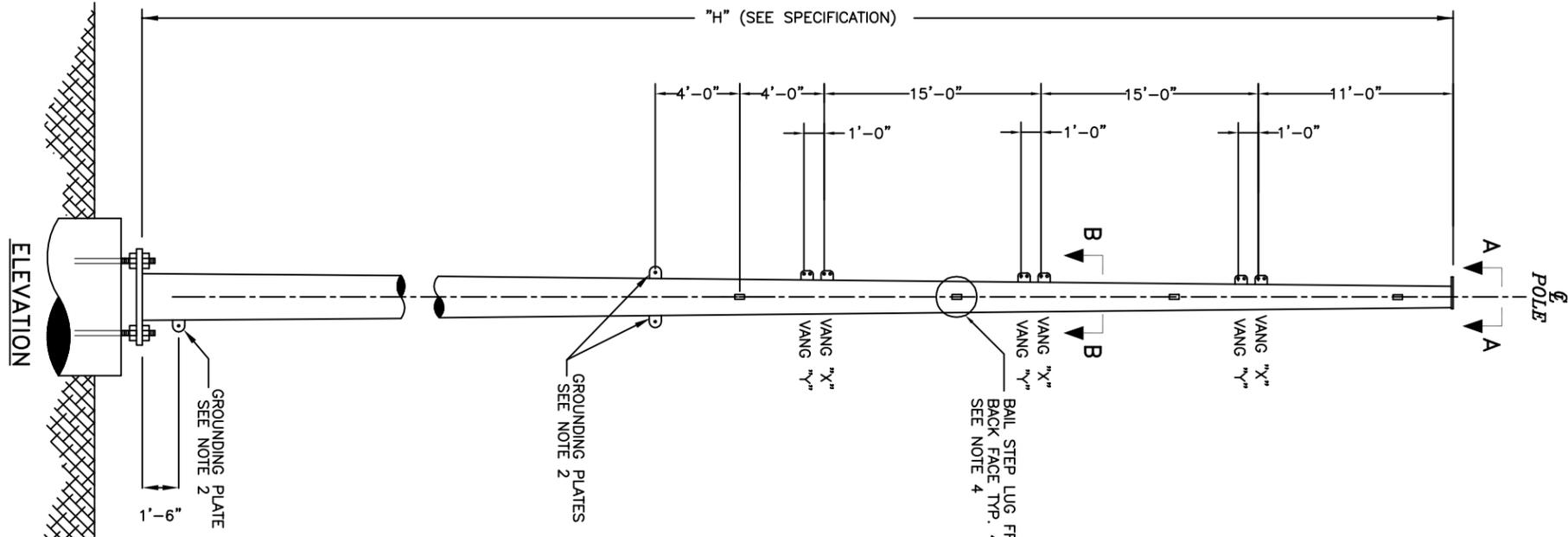
NEES COMPANIES  
 115KV TRANSMISSION LINE STANDARDS  
 SINGLE CIRCUIT STEEL POLE  
 DAVIT ARM DEADEND  
 ARMS ON ONE SIDE

SCALE: NONE  
 DATE: 00/00/00

INCHES ON ORIGINAL

INCHES ON ORIGINAL

ORIGINAL		REVISIONS										
DATE	10/6/95	REV.	DATE	DESCRIPTION	MADE	CH'K'D.	SUP'V.	INSP.	REV'D.	REV'D.	AP'V'D.	AP'V'D.
DESIGNED	WJS	1										
CHECKED		2										
SUPERVISOR		3										
INSPECTED		4										
REVIEWED		5										
REVIEWED		6										
APPROVED		7										
APPROVED		8										



- NOTES:**
1. REFER TO SECTION 5 OF TECHNICAL SPECIFICATION FOR STRUCTURE CONNECTION TYPE AND FINISH, STRUCTURE QUANTITIES, HEIGHTS, AND TYPES, AND OTHER PROJECT SPECIFIC INFORMATION AND CONFLICTS.
  2. STAINLESS STEEL GROUNDING PLATES SHALL BE PROVIDED AS INDICATED. SEE TECHNICAL SPECIFICATION SECTION 2.1.10 AND DRAWING LS-5658.
  3. STEP BOLT LUGS, STEP BOLTS, AND LEFT AND RIGHT FALL PROTECTION FLANGERS SHALL BE PROVIDED. SEE TECHNICAL SPECIFICATION SECTION 2.1.11 AND 2.1.12 AND DRAWINGS LS-5660 AND LS-6515.
  4. BAIL STEP LUGS AND BAIL STEPS SHALL BE PROVIDED AS INDICATED. SEE TECHNICAL SPECIFICATION SECTION 2.1.13 AND DRAWING LS-5659. IF CROSSARM LADDER ATTACHMENTS ARE REQUIRED, SEE DRAWINGS LS-6544 AND LS-6545.
  5. SIGNAGE BRACKETS, IF REQUIRED, SHALL BE PROVIDED ON FRONT AND BACK FACES OF STRUCTURES. SEE TECHNICAL SPECIFICATION SECTION 2.1.14 AND DRAWING LS-5672.

**DIMENSION TABLE**

ANGLE RANGE	A	B
45° TO 60°	27.5"	27.5"
60° TO 75°	35"	35"
75° TO 90°	42.5"	42.5"

NEW ENGLAND POWER SERVICE COMPANY  
PART OF NEW ENGLAND ELECTRIC SYSTEM  
WESTBOROUGH, MA

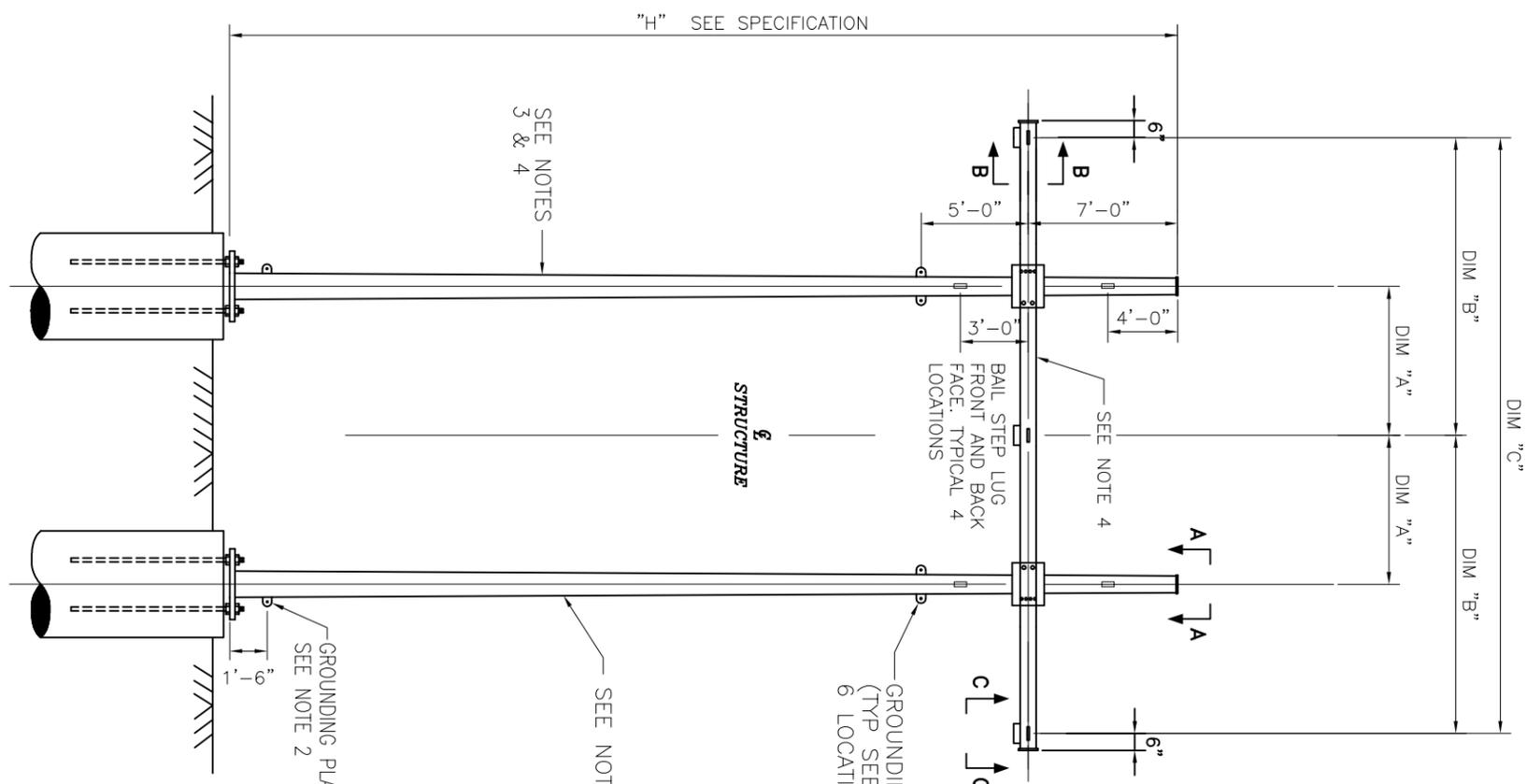
NEES COMPANIES  
115KV TRANSMISSION LINE STANDARDS  
SINGLE CIRCUIT STEEL POLE  
DEADEND PULLOFF

SCALE: NONE  
DATE: 00/00/00  
D-SK-25135-3

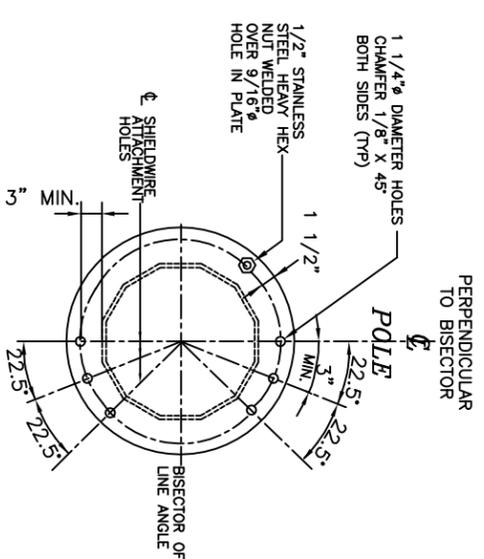
INCHES ON ORIGINAL

INCHES ON ORIGINAL

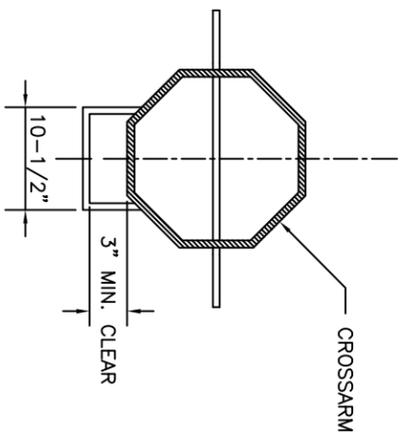
ORIGINAL		REVISIONS									
DATE	REV.	DATE	DESCRIPTION	MADE	CHK'D.	SUP'V.	INSP.	REV'D.	REV'D.	AP'VD.	AP'VD.
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	2										
	3										
	4										
	5										
	6										
	7										
	8										



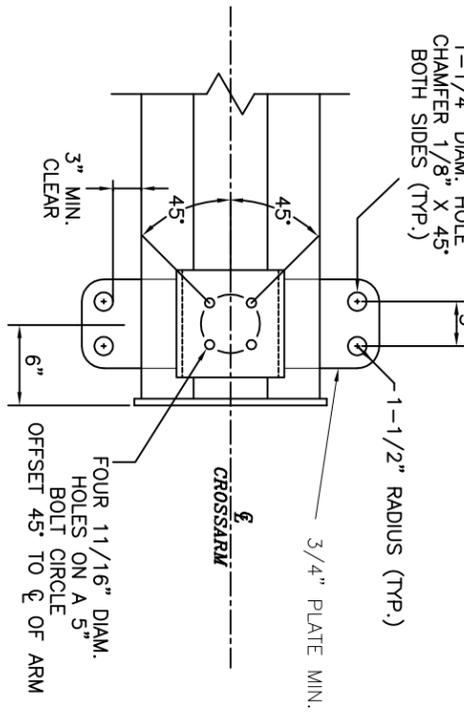
**ELEVATION**



**SECTION A-A**  
POLE CAP WITH SHIELD WIRE ATTACHMENT AND GROUNDING NUT (TYP. 2 LOCATIONS)



**SECTION B-B**  
CONDUCTOR ATTACHMENT PLATE AND POST INSULATOR ATTACHMENT PLATE (TYP. 3 LOCATIONS)



**SECTION C-C**  
CONDUCTOR ATTACHMENT PLATE AND POST INSULATOR ATTACHMENT PLATE (TYP. 3 LOCATIONS)

**NOTES:**

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- STAINLESS STEEL GROUNDING PLATES SHALL BE PROVIDED AS INDICATED. SEE TECHNICAL SPECIFICATION SECTION 2.1.10 AND DRAWING LS-5658.
- STEP BOLT LUGS, STEP BOLTS, AND LEFT AND RIGHT FALL PROTECTION FLANGES SHALL BE PROVIDED. SEE TECHNICAL SPECIFICATION SECTION 2.1.11 AND 2.1.12 AND DRAWINGS LS-5660 AND LS-6515.
- BAIL STEP LUGS AND BAIL STEPS SHALL BE PROVIDED AS INDICATED. SEE TECHNICAL SPECIFICATION SECTION 2.1.13 AND DRAWING LS-5659. IF CROSSARM LAIDER ATTACHMENTS ARE REQUIRED, SEE DRAWINGS LS-6544 AND LS-6545.
- SIGNAGE BRACKETS, IF REQUIRED, SHALL BE PROVIDED ON FRONT AND BACK FACES OF STRUCTURES. SEE TECHNICAL SPECIFICATION SECTION 2.1.14 AND DRAWING LS-5672.
- DAVIT ARMS SHALL BE UPSWEPT WITH A CONTINUOUS CURVATURE. DAVIT ARMS SHALL NOT BE STRAIGHT TAPERED.
- STRUCTURE IS SYMMETRICAL ABOUT CENTERLINE EXCEPT AS OTHERWISE NOTED.

**DIMENSION TABLE**

ANGLE RANGE	A	B	C
0° TO 20°	7'-6"	15'-0"	30'-0"
20° TO 40°	8'-0"	16'-0"	32'-0"
40° TO 60°	8'-6"	17'-0"	34'-0"
40° TO 60°	9'-0"	18'-0"	36'-0"

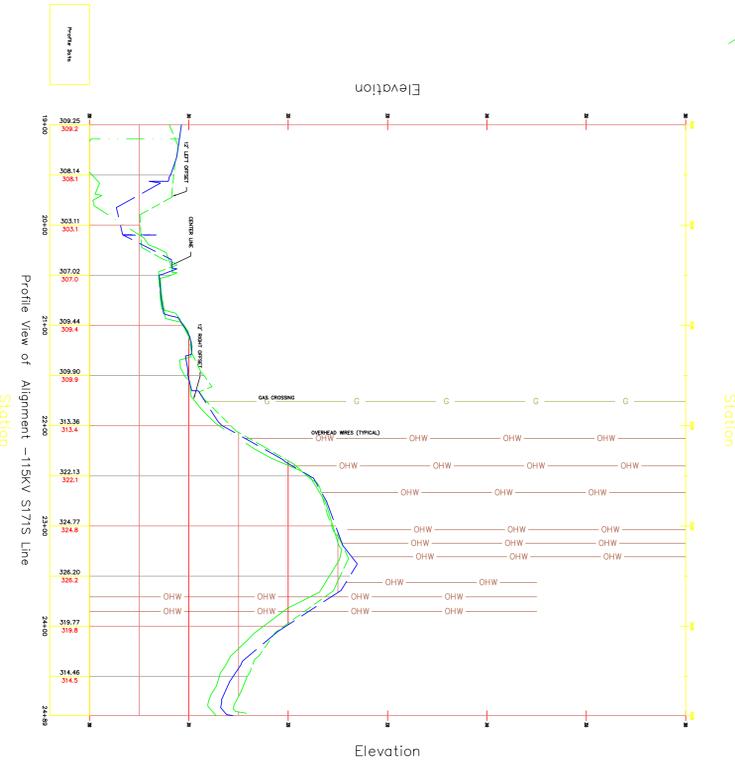
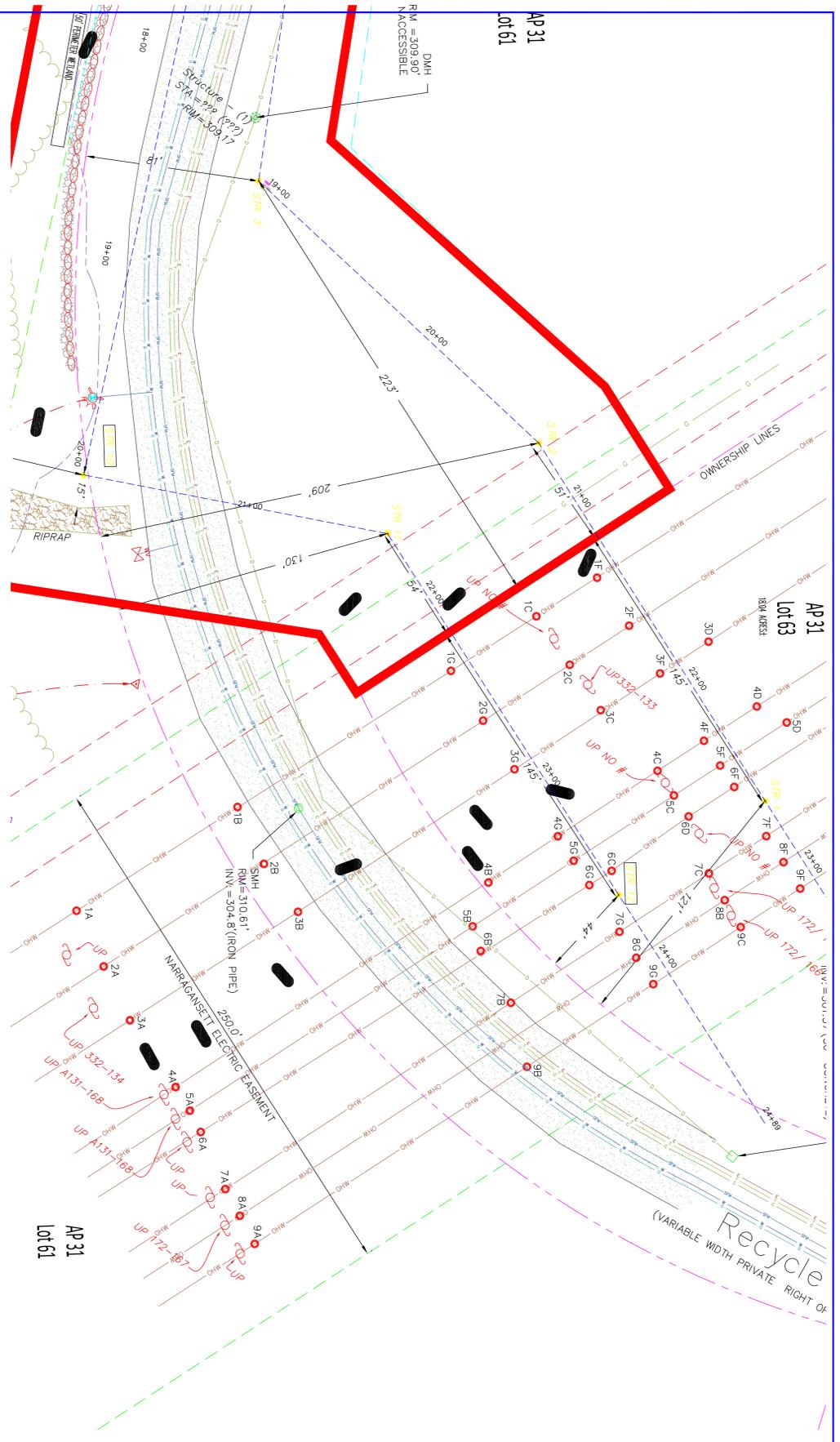
NEW ENGLAND POWER SERVICE COMPANY  
PART OF NEW ENGLAND ELECTRIC SYSTEM  
WESTBOROUGH, MA

NEES COMPANIES  
115KV TRANSMISSION LINE STANDARDS  
SINGLE CIRCUIT STEEL POLE  
H-FRAME DEADEND





--- TREE CLEARING REQUIRED IN UPLAND AREAS  
 --- TREE CLEARING REQUIRED IN BUFFER ZONE



INCHES ON ORIGINAL

JOB TITLE  
 TITLE 1  
 TITLE 2  
 TITLE 3  
 TITLE 4

ORIGINAL NAME	DATE
DRAWN BY	
CHKD BY	
INSPD BY	
APPRV BY	



REV	DATE	REVISION DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

DRWN	CHKD	APPRV	REVISION

0

INCHES ON ORIGINAL