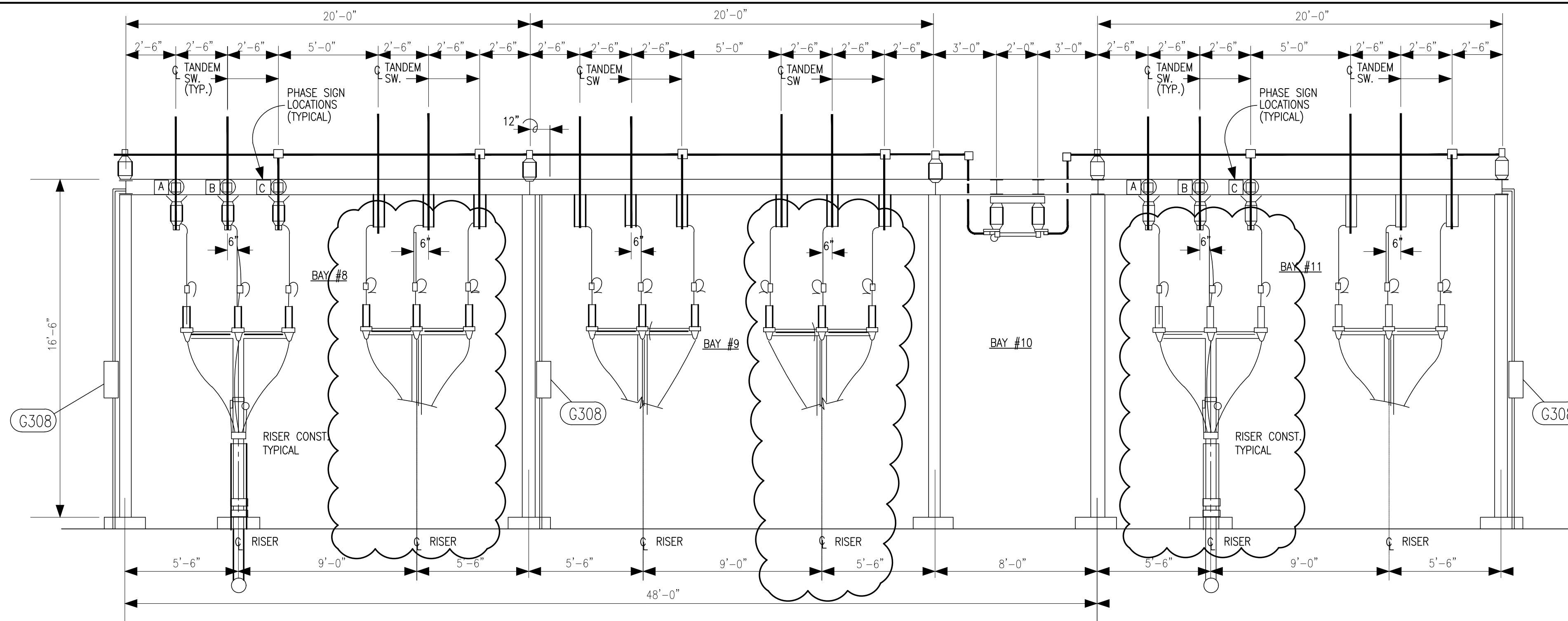


AREA OF WORK

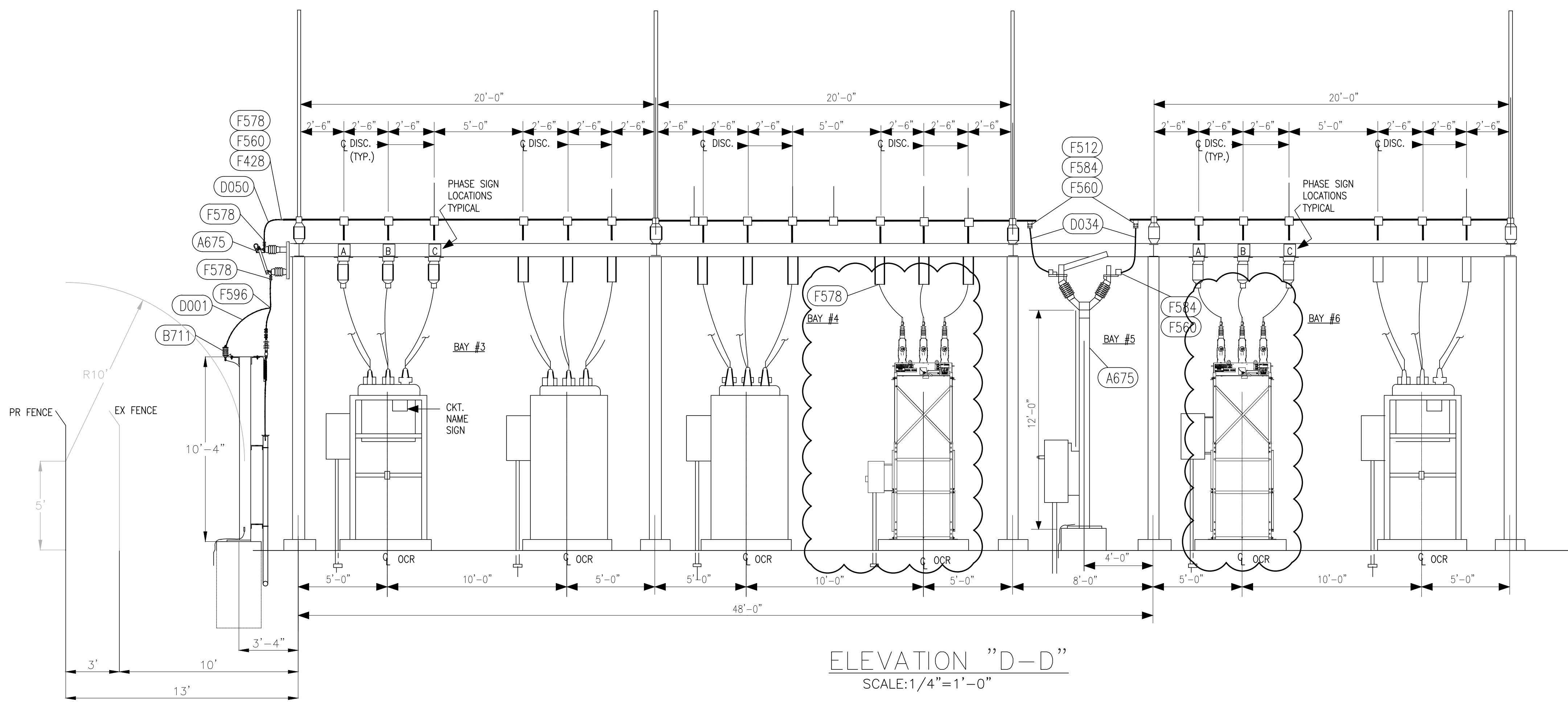


ELEVATION "C-C"
SCALE: 1/4" = 1'-0"

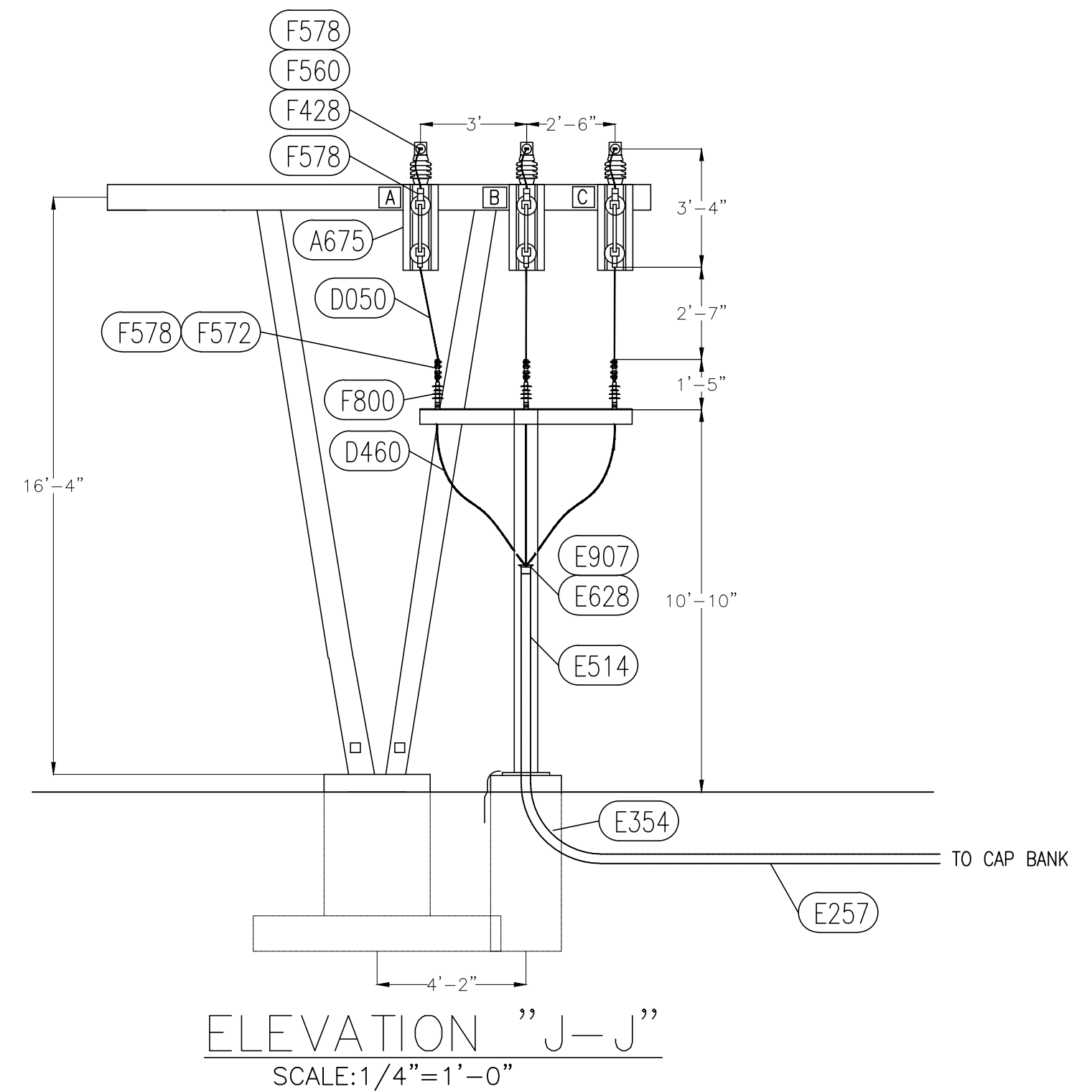
13.8KV MINIMUM ELECTRICAL CLEARANCES

RIGID PARTS PHASE TO PHASE	RIGID PARTS PHASE TO GROUND	BUS C'S	LIVE PARTS TO GRADE
12"	10"	24"	9'

- NOTES:
1. PHASE SIGNS SHALL BE LOCATED ON ALL EQUIPMENT, SWITCHES AND ADJACENT TO ALL END BUS SUPPORTS. CIRCUIT NAME SIGNS SHALL BE LOCATED ON SWITCHES AND GAS CIRCUIT BREAKERS.
 2. CONNECTORS USED ON CABLE OR BUS SHALL BE WELDED TYPE, UNLESS SHOWN OTHERWISE.
 3. ALL BUS SUPPORT FITTINGS WITH A SUBSCRIPT "S" MUST BE INSTALLED AS A "SLIP FREE" CONNECTION.
 4. IF BUS COUPLERS ARE REQUIRED, ALL TYPES AND LOCATIONS MUST BE APPROVED BY THE ENGINEER.
 5. USE NO-OXIDE COMPOUND ON ALL ALUMINUM CONNECTIONS.
 6. USE TEFLON TAPE ON ALL VERTICAL CONDUIT CONNECTIONS.
 7. ALL OPEN BUS ENDS MUST BE CAPPED.



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



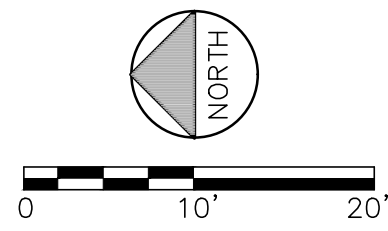
ELEVATION "J-J"
SCALE: 1/4" = 1'-0"



ENG.	AGC		
DR.	AGC		
CK.	PJM		
APP.	PJM		
		DATE	ISSUED FOR

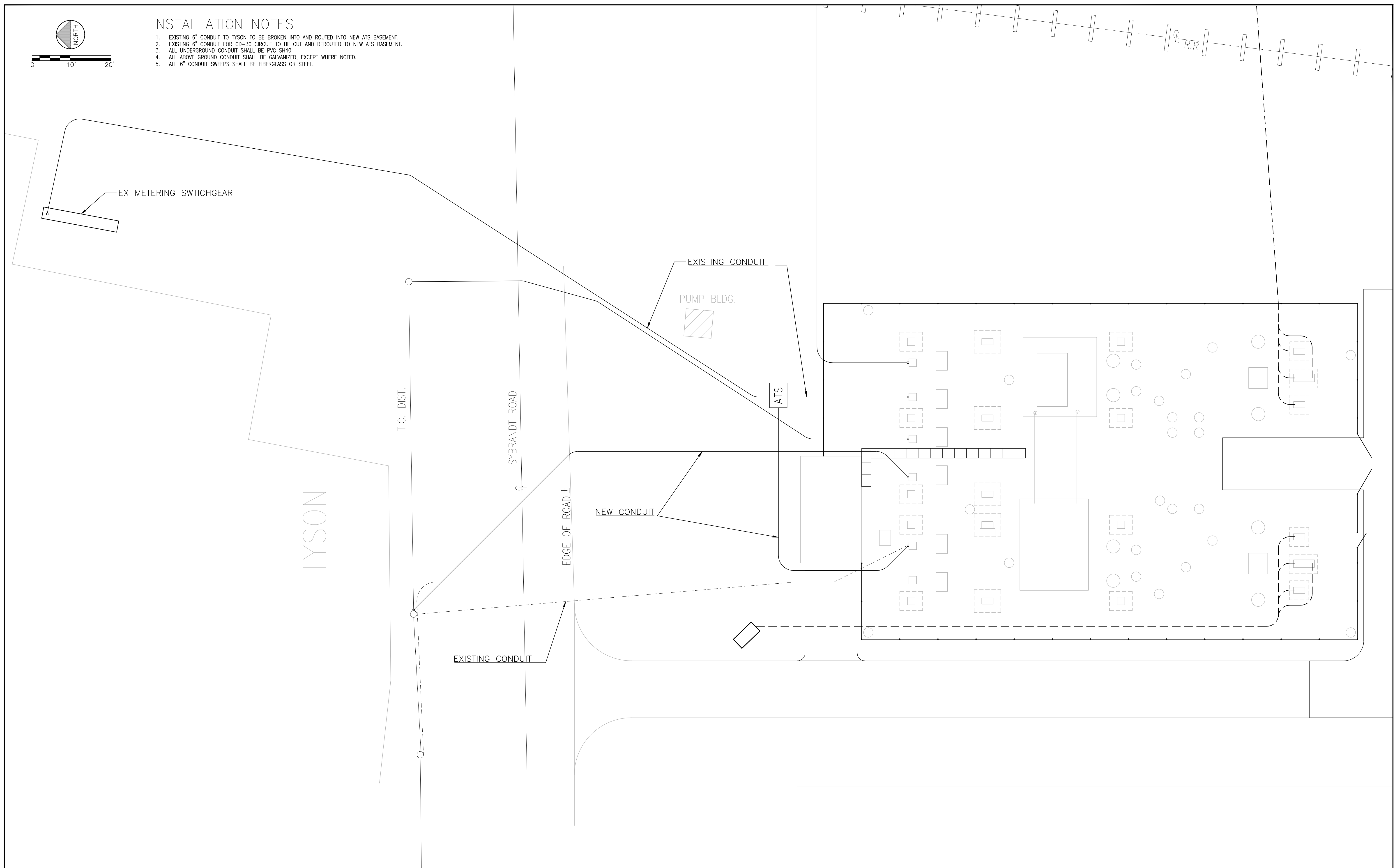
TRAVERSE CITY LIGHT AND POWER
 BARLOW ST SUBSTATION TRANSFORMER UPGRADE
 TRAVERSE CITY, MICHIGAN
 SUBSTATION - STRUCTURAL ELEVATIONS - C-C, D-D, & J-J


PROJECT NUMBER	DRAWING NUMBER
17-102.01	111



INSTALLATION NOTES

1. EXISTING 6" CONDUIT TO TYSON TO BE BROKEN INTO AND ROUTED INTO NEW ATS BASEMENT.
2. EXISTING 6" CONDUIT FOR CD-30 CIRCUIT TO BE CUT AND REROUTED TO NEW ATS BASEMENT.
3. ALL UNDERGROUND CONDUIT SHALL BE PVC SHAD.
4. ALL ABOVE GROUND CONDUIT SHALL BE GALVANIZED, EXCEPT WHERE NOTED.
5. ALL 6" CONDUIT SWEEPS SHALL BE FIBERGLASS OR STEEL.



 <p>TRAVERSE CITY LIGHT & POWER <small>Investing Our Energy In You</small></p>	ENG.	AGC		
	DR	AGC		
	CK	PJS		
	APP	PJS		
			DATE	ISSUED FOR

TRAVERSE CITY LIGHT AND POWER
 CASS ROAD SUBSTATION TYSON UPGRADE
 TRAVERSE CITY, MICHIGAN
 SUBSTATION – PRIMARY CONDUIT PLAN

PROJECT NUMBER	DRAWING NUMBER
17-101.01	410