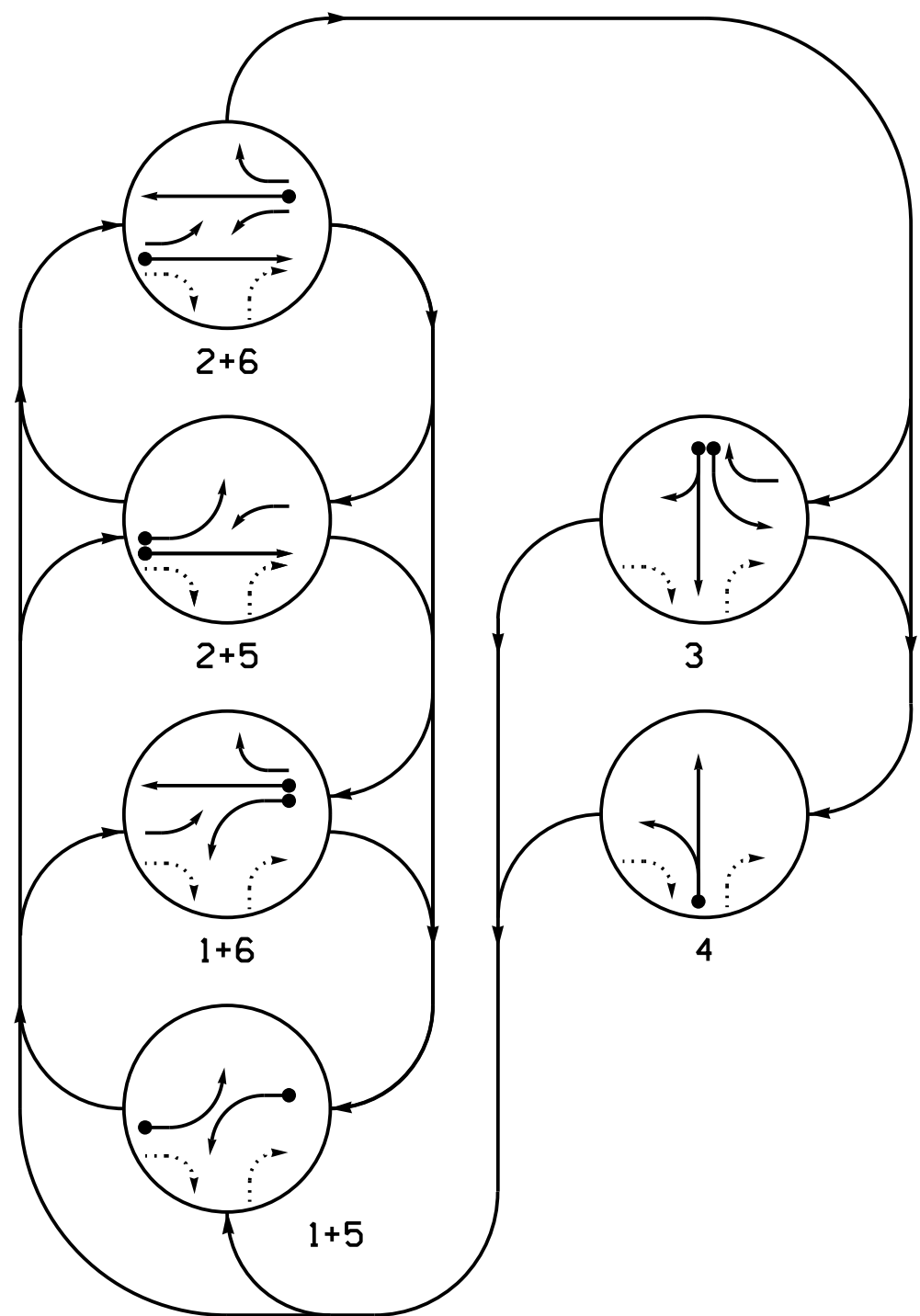


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

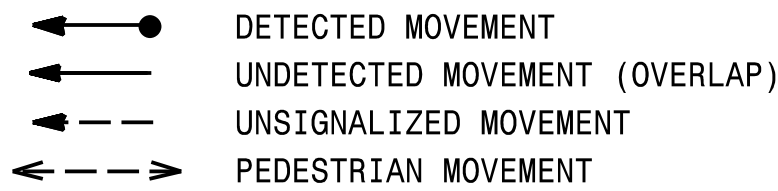
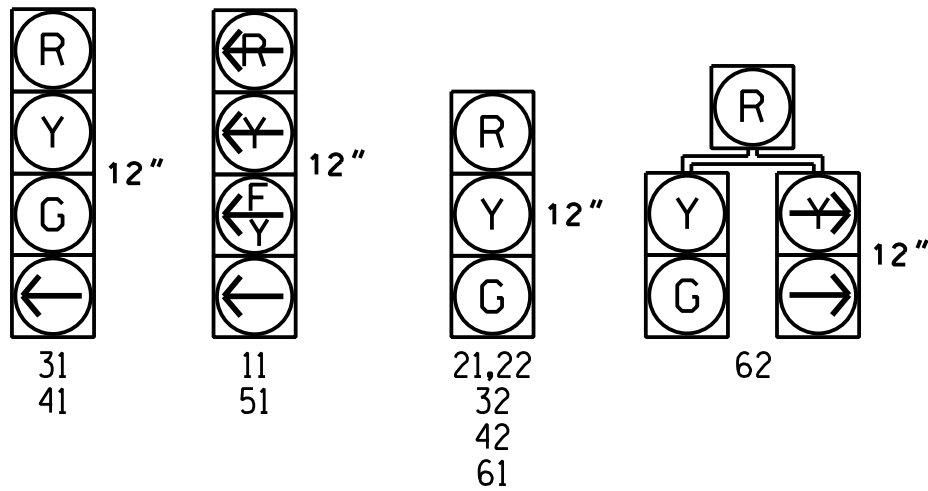


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	1 + 5	1 + 6	2 + 5	2 + 6	3	4
11	←	←	←	←	←	←
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	G	R
42	R	R	R	R	G	R
51	←	←	←	←	←	←
61	R	G	R	G	R	R
62	R	G	R	G	R	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART												
DETECTOR						PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	RELAY DURING GREEN	SEE CARD
1A*	6X40	0	*	*	1	15.0	-	X	-	X	-	*
2A*	6X6	300	*	*	6	3.0	-	X	-	X	X	*
2B*	6X40	0	*	*	2	-	-	X	-	-	-	*
3A*	6X40	0	*	*	2	5.0	2.0	X	-	X	X	*
3B*	6X40	0	*	*	3	3.0	-	X	-	X	-	*
3B*	6X40	0	*	*	3	10.0	-	X	-	X	-	*
4A*	6X40	0	*	*	4	-	-	X	-	X	-	*
5A*	6X40	0	*	*	5	15.0	-	X	-	X	-	*
6A*	6X6	300	*	*	6	-	-	X	-	X	X	*
6B*	6X40	0	*	*	6	5.0	2.0	X	-	X	X	*

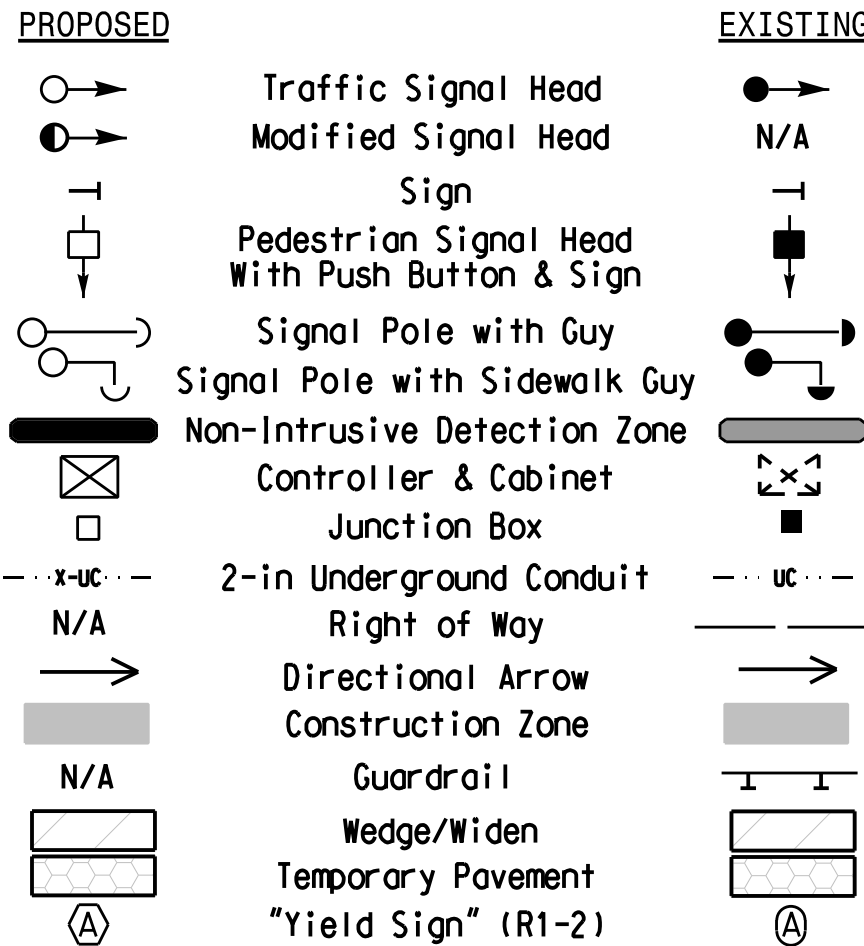
* Video Detection

6 Phase
Fully Actuated
(Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or 5 may be lagged.
- The order of phase 3 and 4 may be reversed.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- See R-5759 TMP Phase 1 for pavement markings.

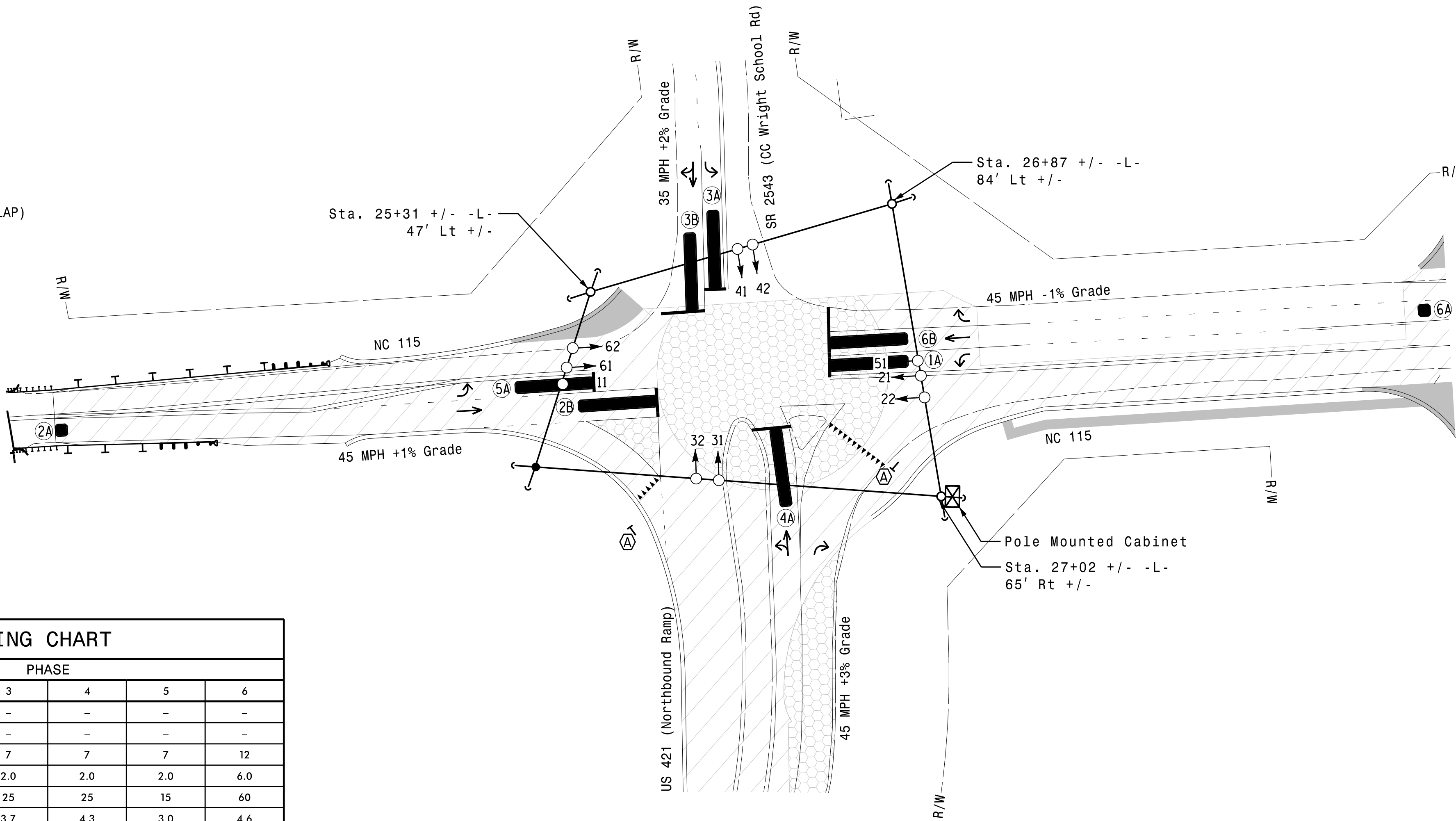
LEGEND



MAXTIME TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Min Green *	7	12	7	7	7	12
Passage *	2.0	6.0	2.0	2.0	2.0	6.0
Max I *	15	60	25	25	15	60
Yellow Change	3.0	4.6	3.7	4.3	3.0	4.6
Red Clear	2.3	1.4	1.4	1.1	2.8	1.4
Added Initial *	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Advance Walk	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL
Dual Entry	-	-	-	-	-	-

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



Signal Upgrade -
Temporary Design 1
(Construction Phase 1)

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

HNTB

HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

 750 N. Greenfield Pkwy, Garner, NC 27529	Prepared for: NC 115 at US 421 Northbound Ramps/SR 2543 (CC Wright School Road)		
	Division 11 Wilkes County Wilkesboro		
	PLAN DATE: November 2023	REVIEWED BY: N.K. Vianich	
	PREPARED BY: E.E. Tiller	REVIEWED BY: N.R. Simmons	
REVISIONS		INIT.	DATE
SIGNATURE		DATE	
SIC. INVENTORY NO.		II-108011	