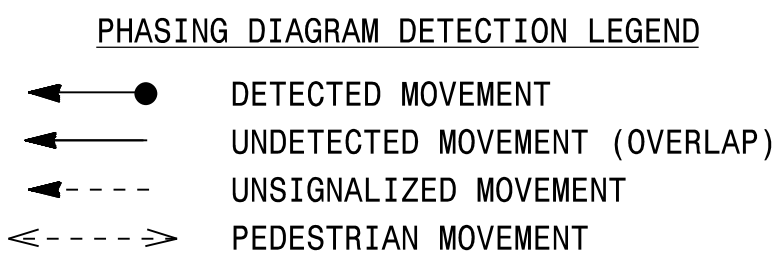
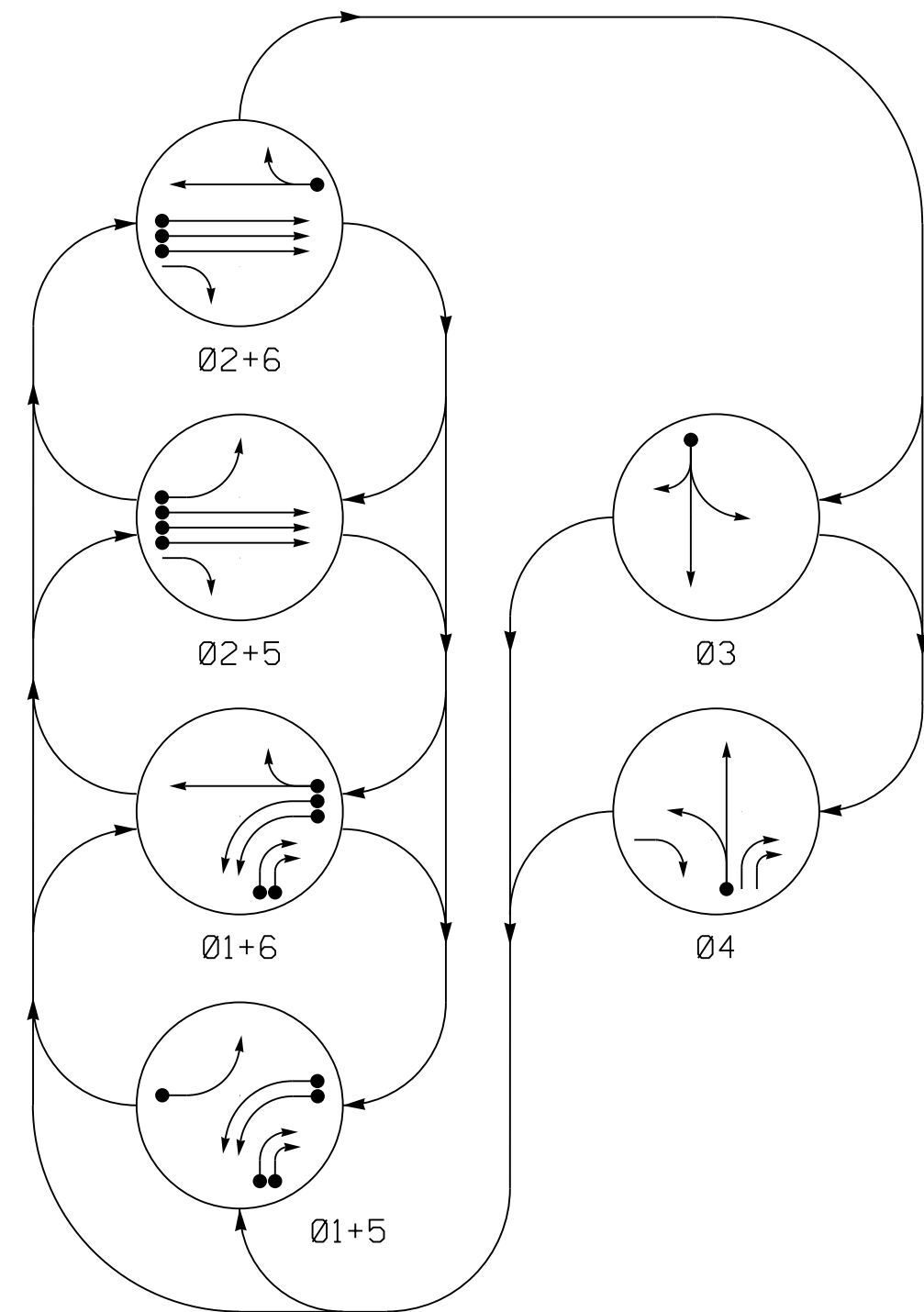
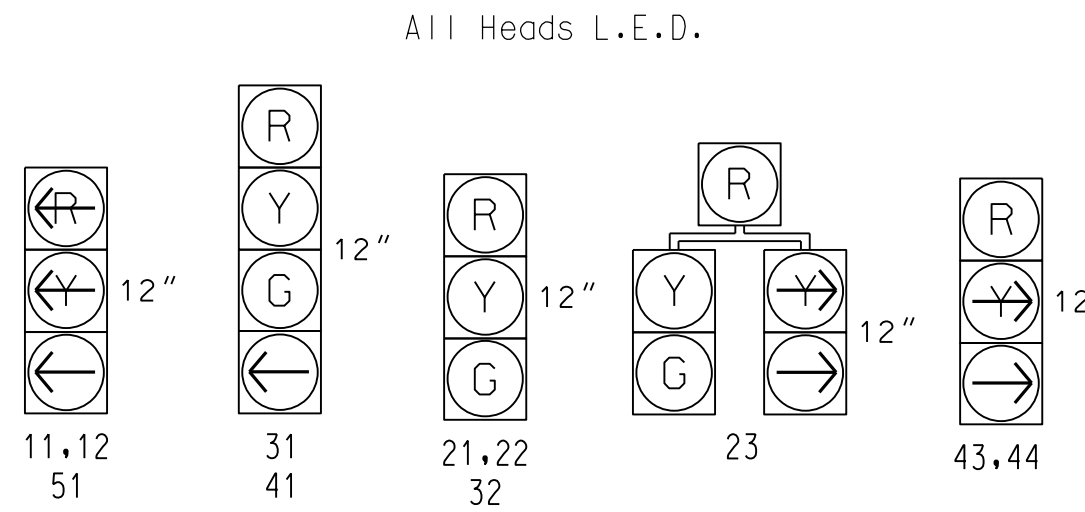


PHASING DIAGRAM



SIGNAL FACE	PHASE						FLIGHT
	01+5	01+6	02+5	02+6	03	04	
11,12	←	←	←	←	←	←	←
21,22	R	R	G	G	R	R	Y
23	R	R	G	G	R	R	Y
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
41	R	R	R	R	R	G	R
42	R	R	R	R	R	G	R
43,44	→	→	R	R	R	→	R
51	←	←	←	←	←	←	←
61,62	R	G	R	G	R	R	Y

SIGNAL FACE I.D.



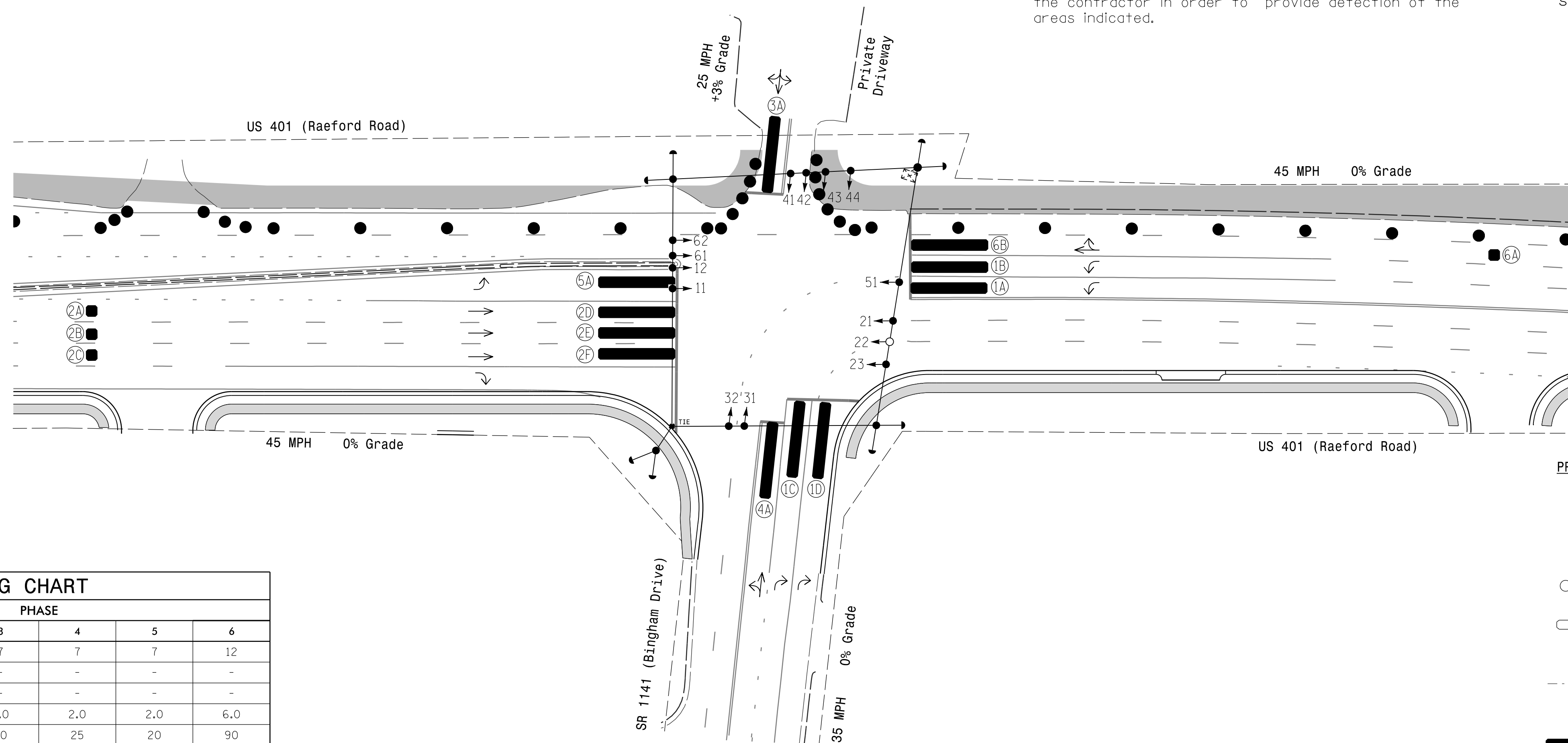
ASC/3 DETECTOR INSTALLATION CHART												
DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
1A	6X40	0	-	-	1	Yes	-	3	-	S	-	-
1B	6X40	0	-	-	1	Yes	-	-	-	S	-	-
1C	6X40	0	-	-	1	Yes	-	15	-	S	-	-
1D	6X40	0	-	-	1	Yes	-	15	-	S	-	-
2A	6X6	300	-	-	2	Yes	-	-	-	N	-	-
2B	6X6	300	-	-	2	Yes	-	-	-	N	-	-
2C	6X6	300	-	-	2	Yes	-	-	-	N	-	-
2D	6X40	0	-	-	2	Yes	2.0	5	-	G	-	-
2E	6X40	0	-	-	2	Yes	2.0	5	-	G	-	X
2F	6X40	0	-	-	2	Yes	2.0	5	-	G	-	X
3A	6X40	0	-	-	3	Yes	-	5	-	S	-	-
4A	6X40	0	-	-	4	Yes	-	3	-	S	-	-
5A	6X40	0	-	-	5	Yes	-	-	-	S	-	-
6A	6X6	300	-	-	6	Yes	-	-	-	N	-	-
6B	6X40	0	-	-	6	Yes	2.0	5	-	G	-	-

*Video Detection Area. Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

6 Phase Fully Actuated Fayetteville Signal System

NOTES

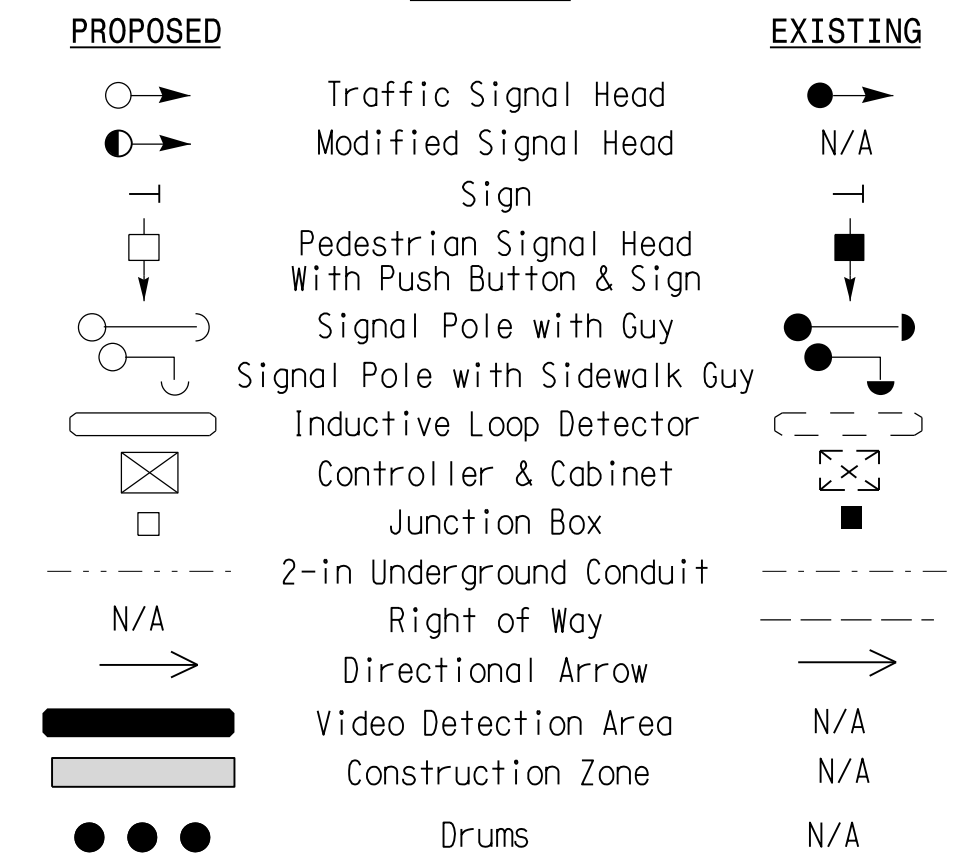
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or Phase 5 may be lagged.
- The order of Phase 3 and Phase 4 may be reversed.
- Set all detector units to presence mode.
- Reposition existing signal heads numbered 23,61 and 62. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	ASC/3 TIMING CHART					
	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	2.0	6.0	2.0	2.0	2.0	6.0
Max I *	50	90	20	25	20	90
Yellow	3.0	4.5	3.1	3.8	3.0	4.5
Red Clear	3.5	1.4	2.9	2.3	2.3	1.4
Red Revert	-	-	-	-	-	-
Actuations B4 Add *	-	-	-	-	-	-
Seconds /Actuation *	-	-	-	-	-	-
Max Initial *	-	-	-	-	-	-
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Locking Detector	-	-	-	-	-	-
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	X	X	X	X	X	X

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

LEGEND



Signal Upgrade Temporary Signal Design 2 - TMP Phase II

<p>Stantec Consulting Services Inc. 801 Jones Franklin Road-Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672</p>		<p>US 401 (Raeford Road) at SR 1141 (Bingham Drive)</p>										
		<p>Prepared For the Offices of: Transportation Mobility and Safety Division STATE OF NORTH CAROLINA Signal Design Section 750 N. Greenfield Pkwy, Garner, NC 27526</p>	<p>Division 6 Cumberland County Fayetteville</p>		<p>PLAN DATE: March 2018 REVIEWED BY: E D Harris</p>	<p>PREPARED BY: G B Spell REVIEWED BY: B L Watson</p>						
<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>INITIALS</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		NO.	DATE	INITIALS	DESCRIPTION					<p>DATE: 3/29/2018</p>		<p>DATE: 3/29/2018</p>
NO.	DATE	INITIALS	DESCRIPTION									
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>												

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