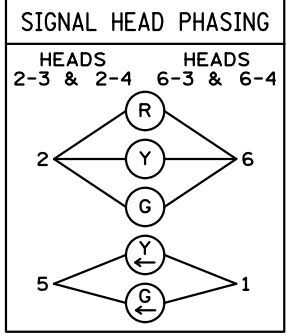


PLOTTED/REVISED: 3/5/2015

DISTRICT #: METRO
IPLOT NAME: INTERSECTION
PATH & FILENAME: IP_PWP-d0779681\22075_sgl.dgn

SIGNAL HEAD CHART

SIGNAL FACE	ALL INDICATIONS ARE 12"				
	R LED	Y	G	YLTA	GLTA
2-1 and 2-2	○	○	○		
2-3 and 2-4	○	○	○	←	←
4-1 and 4-2	○	○	○		
4-3	○	○	○		
6-1 and 6-2	○	○	○		
6-3 and 6-4	○	○	○	←	←
8-1 and 8-2	○	○	○		
8-3	○	○	○		



PED PB STA
1-APS PB AND SIGN
(RT ARROW) (PB6-2)
EXTEND INTO HH 8:
2" PVC
1-2/C#14

PED PB STA
1-APS PB AND SIGN
(LT ARROW) (PB6-1)
EXTEND INTO HH 9:
2" PVC
1-2/C#14

ⓑ S.O.P. GROUND MOUNT
3" RSC
3-1/C #2

Ⓐ EQUIPMENT PAD
CONTROLLER AND CABINET
SERVICE CABINET (PAD MOUNTED)
CONTROLLER CABINET TO H.H.1
4" R.S.C
5-12/C #12
4-3/C #12
2-3/C #20
11-2/C #14
1-3/C#14 (CAMERA POWER)
1-COM CABLE
1-COAXIAL CABLE

LOOP DETECTORS

NUMBER	SIZE (FT.)	LOCATION
D1-1	2-6' X 6'	20 & 50
D1-2	2-6' X 6'	5 & 35
D2-1	6' X 6'	180
D8-1	6' X 6'	120
D8-2	6' X 6'	120
D8-3	6' X 6'	5
D8-4	2-6' X 6'	5 & 20
D5-1	2-6' X 6'	20 & 50
D5-2	2-6' X 6'	5 & 35
D6-1	6' X 6'	180
D4-1	6' X 6'	110
D4-2	6' X 6'	5
D4-3	2-6' X 6'	5 & 20

LOCATION=DISTANCE FROM CROSSWALK
IN FEET
ALL LOOP DETECTORS ARE PVC

Ⓓ PA100 POLE FOUNDATION
TYPE PA100-A-40-D40-9 (DAVIT AT 350 DEG)
LUMINAIRE 200 WATTS HPS
2-ONE WAY SIGNALS OVERHEAD AT 0' & 17'
ONE WAY EVP DETECTOR AND
CONFIRMATORY LIGHT(PHASES 1&6)
2-TYPE 10B AT 0 AND 270 DEG
3" RSC TO HH 8:
2-12/C #12
3-3/C #12
1-3/C #12(LUM)
1-3/C #20

Ⓔ PEDESTAL FOUNDATION
8' PEDESTAL POLE PLUS BASE
TYPE 4B
2-CD PED HEADS AT 0 AND 270 DEG
EXTEND TO H.H. 9
2" RSC
3-3/C #12

Ⓘ PA100 POLE FOUNDATION
TYPE PA100-A-45-X-400 EXTENSION
1-VIDEO CAMERA
ONE WAY SIGNAL OVERHEAD AT 5'
ONE WAY EVP DETECTOR &
CONFIRMATORY LIGHT(PHASE 8) AT 10'
2-TYPE 10A AT 0 AND 270 DEG
3" RSC TO HH 1:
2-12/C #12
2-3/C #12
1-3/C #20
1-7/16" GROUNDING BRAID TO
GROUND ROD IN HH 1:
1-3/C#14 (CAMERA POWER)
1-COM CABLE
1-COAXIAL CABLE

CONTROLLER CABINET TO H.H. 9
4" RSC
4-12/C #12
8-3/C #12
2-3/C #20
13-2/C #14

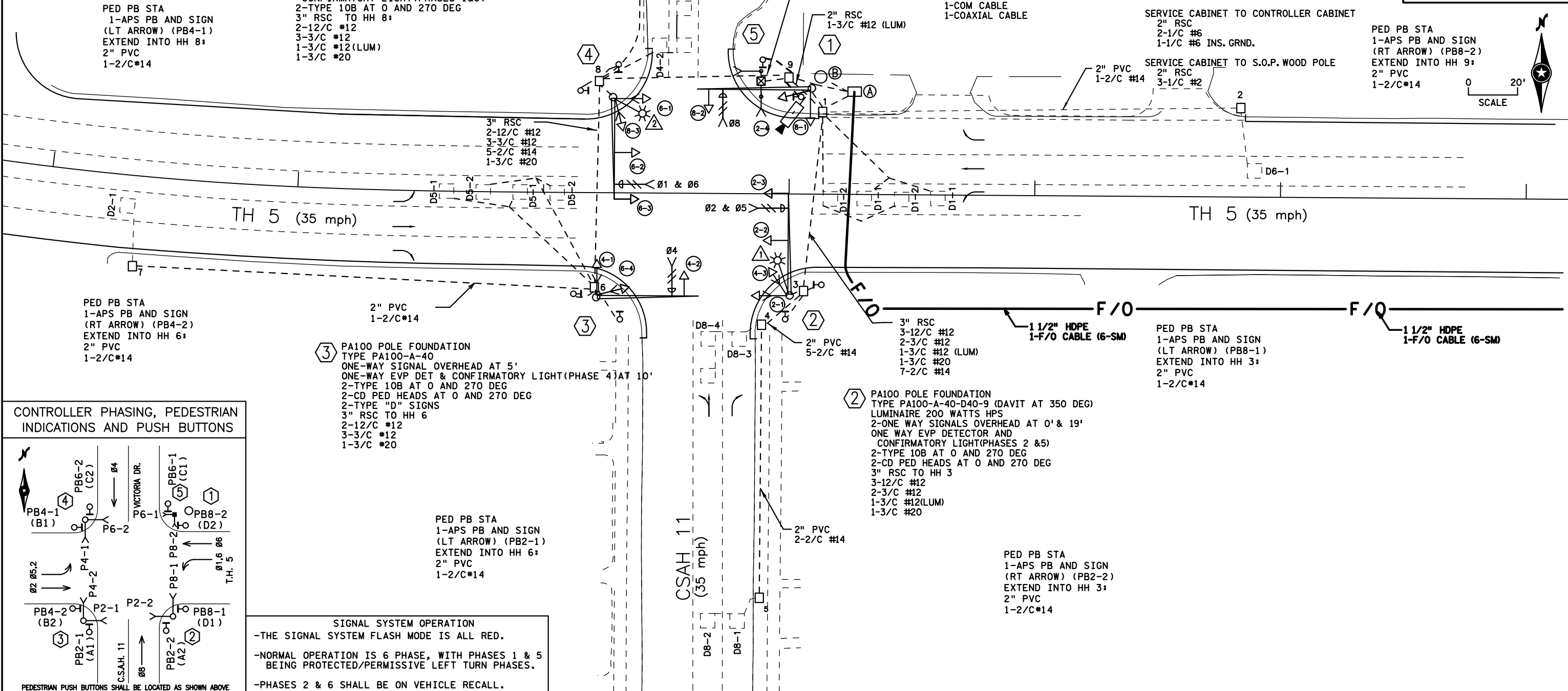
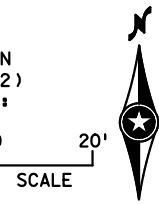
CONTROLLER CABINET TO TMS PULL VAULT:
1-1/2" PVC INSIDE 3" RSC STUBOUT
1-FO PATCH/PIGTAIL (6SM)

SERVICE CABINET TO H.H. 1
2" RSC
2-3/C #12 (LUM)

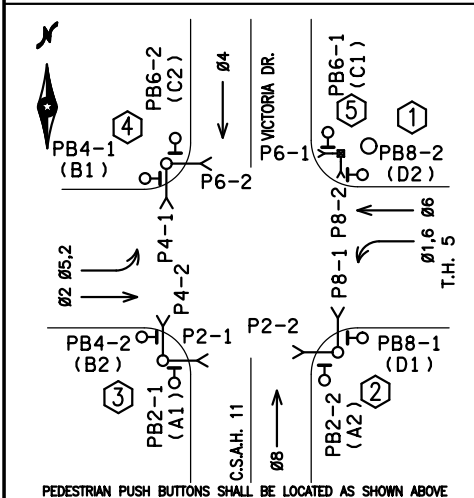
SERVICE CABINET TO CONTROLLER CABINET
2" RSC
2-1/C #6
1-1/C #6 INS. GRND.

SERVICE CABINET TO S.O.P. WOOD POLE
2" RSC
3-1/C #2

PED PB STA
1-APS PB AND SIGN
(RT ARROW) (PB8-2)
EXTEND INTO HH 9:
2" PVC
1-2/C#14



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM OPERATION
-THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
-NORMAL OPERATION IS 6 PHASE, WITH PHASES 1 & 5 BEING PROTECTED/PERMISSIVE LEFT TURN PHASES.
-PHASES 2 & 6 SHALL BE ON VEHICLE RECALL.

BY: EJA	DATE: 03-05-15	REVISIONS: AS-BUILT OF SP 1002-98 FIBER & CAMERA	SYSTEM ID: 22075	T.E. 5724	<p align="center">INTERSECTION LAYOUT T.H. 5 AT C.S.A.H. 11/VICTORIA DRIVE IN VICTORIA, CARVER COUNTY</p>	S.A.P. NO.	DRAWN BY: MAS	CKD BY: CDB	DATE: 11/9/12
METER ADDRESS: 699 TH 5 EAST			MASTER ID:	T.E.		CERTIFIED BY: _____	LIC. NO. _____	DATE: 11/9/12	STATE PROJ. NO. (T.H. 5) SHEET NO. 1 OF 2 SHEETS

CONTROLLER CABINET

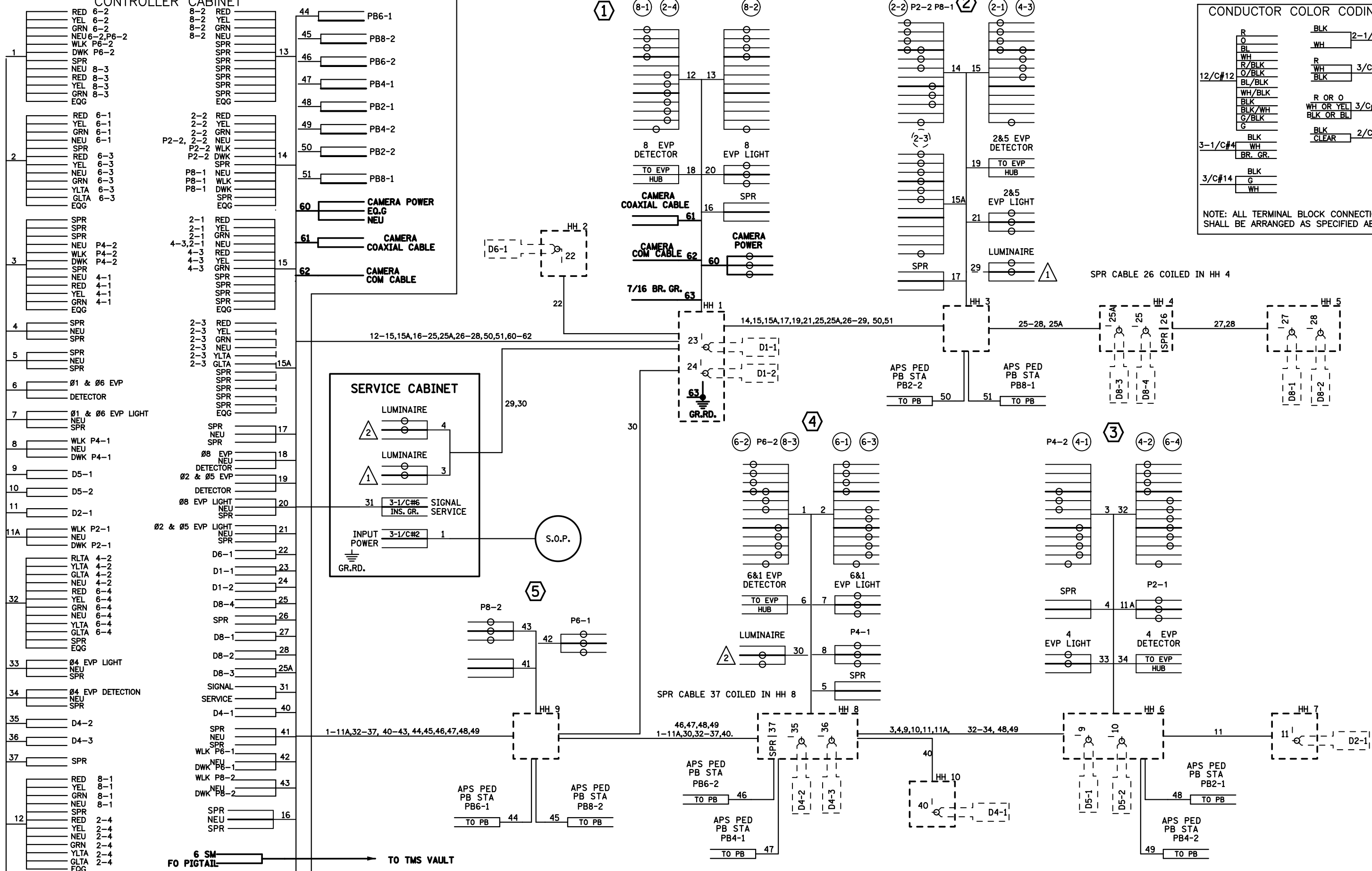
CONDUCTOR COLOR CODING

R	BLK	2-1/C#10
O	WH	
BL	R	3/C#12
WH	WH	
R/BLK	BLK	
O/BLK	R OR O	3/C#20
BL/BLK	WH OR YEL	
WH/BLK	BLK OR BL	
BLK	BLK	2/C#14
BLK/WH	CLEAR	
G/BLK		
G		
BLK		
3-1/C#4	WH	
	BR. GR.	
3/C#14	BLK	
	G	
	WH	

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE

PLOTTED/REVISED: 3/5/2015

DISTRICT #: METRO
 IPLOT NAME: WIRING
 PATH & FILENAME: IP_PWP-d07968N\22075_sgl.dgn

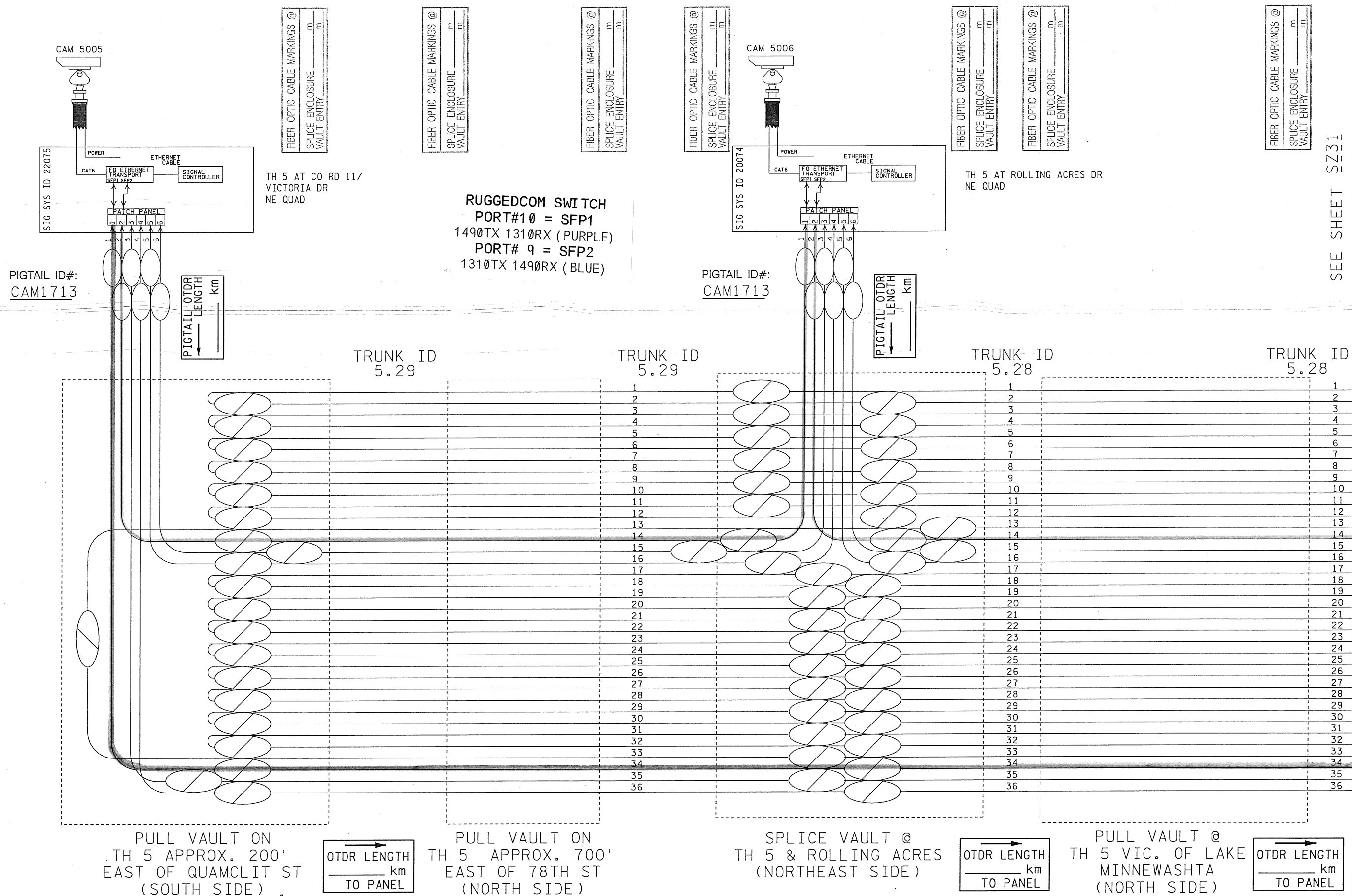


BY	DATE	REVISIONS
EJA	03-05-15	AS-BUILT OF SP 1002-98 FIBER & CAMERA

SYSTEM ID: 22075	T.E. 5724
METER ADDRESS: 699 TH 5 EAST	
MASTER ID:	T.E.

WIRING DIAGRAM
T.H. 5 AT C.S.A.H. 11/VICTORIA DRIVE
IN VICTORIA, CARVER COUNTY

S.A.P. NO.	DRAWN BY: MAS	CKD BY: CDB	DATE: 11/9/12
CERTIFIED BY	LIC. NO.	DATE:	11/9/12
STATE PROJ. NO. (T.H. 5)		SHEET NO. 2 OF 2 SHEETS	



SEE SHEET SZ31

REV. NO.	DATE: / /
REV. NO.	DATE: / /

CERTIFIED BY *[Signature]*
 LICENSED PROFESSIONAL ENGINEER

LIC. NO. 26530 OCT. 25 2012

STATE PROJ. NO. 1002-98 (TH 5) SHEET NO. SZ30 OF SZ50 SHEETS