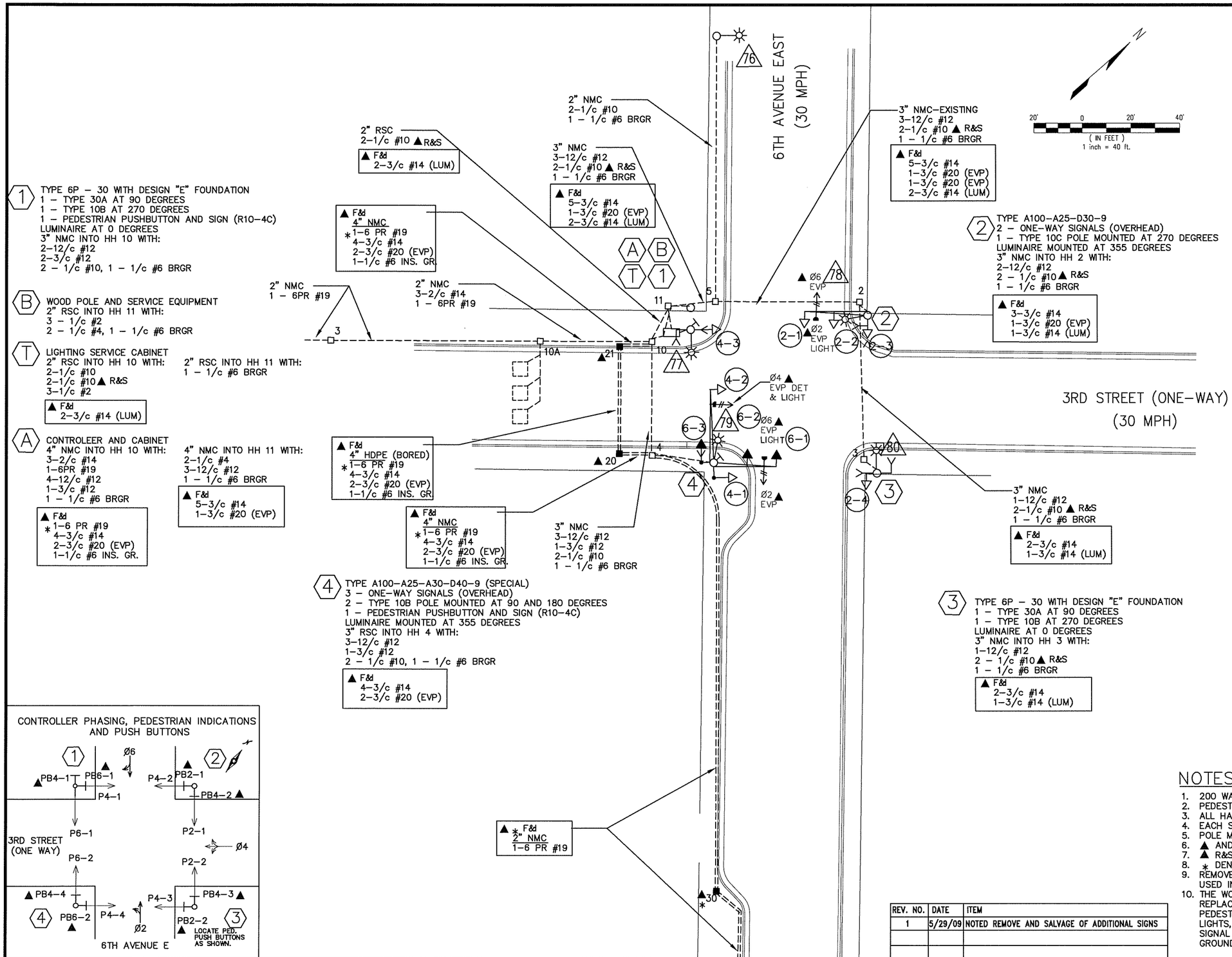

1 TYPE 6P – 30 WITH DESIGN "E" FOUNDATION
1 – TYPE 30A AT 90 DEGREES
1 – TYPE 10B AT 270 DEGREES
1 – PEDESTRIAN PUSHBUTTON AND SIGN (R10-4C)
LUMINAIRE AT 0 DEGREES
3" NMC INTO HH 10 WITH:
2-12/c #12
2-3/c #12
2 – 1/c #10, 1 – 1/c #6 BRGR

B WOOD POLE AND SERVICE EQUIPMENT
2" RSC INTO HH 11 WITH:
3 – 1/c #2
2 – 1/c #4, 1 – 1/c #6 BRGR

T LIGHTING SERVICE CABINET
2" RSC INTO HH 10 WITH:
2-1/c #10
2-1/c #10 ▲ R&S
3-1/c #2
▲ F&d
2-3/c #14 (LUM)

A CONTROLEER AND CABINET
4" NMC INTO HH 10 WITH:
3-2/c #14
1-6PR #19
4-12/c #12
1-3/c #12
1 – 1/c #6 BRGR
▲ F&d
*1-6 PR #19
4-3/c #14
2-3/c #20 (EVP)
1-1/c #6 INS. GR.

4" NMC INTO HH 11 WITH:
2-1/c #4
3-12/c #12
1 – 1/c #6 BRGR
▲ F&d
5-3/c #14
1-3/c #20 (EVP)

4 TYPE A100-A25-A30-D40-9 (SPECIAL)
3 – ONE-WAY SIGNALS (OVERHEAD)
2 – TYPE 10B POLE MOUNTED AT 90 AND 180 DEGREES
1 – PEDESTRIAN PUSHBUTTON AND SIGN (R10-4C)
LUMINAIRE MOUNTED AT 355 DEGREES
3" RSC INTO HH 4 WITH:
3-12/c #12
1-3/c #12
2 – 1/c #10, 1 – 1/c #6 BRGR
▲ F&d
4-3/c #14
2-3/c #20 (EVP)

2 TYPE A100-A25-D30-9
2 – ONE-WAY SIGNALS (OVERHEAD)
1 – TYPE 10C POLE MOUNTED AT 270 DEGREES
LUMINAIRE MOUNTED AT 355 DEGREES
3" NMC INTO HH 2 WITH:
2-12/c #12
2 – 1/c #10 ▲ R&S
1 – 1/c #6 BRGR
▲ F&d
3-3/c #14
1-3/c #20 (EVP)
1-3/c #14 (LUM)

3 TYPE 6P – 30 WITH DESIGN "E" FOUNDATION
1 – TYPE 30A AT 90 DEGREES
1 – TYPE 10B AT 270 DEGREES
LUMINAIRE AT 0 DEGREES
3" NMC INTO HH 3 WITH:
1-12/c #12
2 – 1/c #10 ▲ R&S
1 – 1/c #6 BRGR
▲ F&d
2-3/c #14
1-3/c #14 (LUM)

1 ▲ R&S
▲ R&S

SIGNAL POLE MOUNTED SIGNS

SIGN TYPE	SIZE (INCHES)	NOTES.	POLE
R6-2 (R)	18X24	(1)	3 4
R6-2 (L)	18X24	(1)	1 2
R6-2 (R)	24X30	(2)	4
R6-2 (L)	24X30	(2)	2

SIGN NOTES:
(1) MOUNTED ON POLE SHAFT
(2) MOUNTED ON MAST ARM

SIGNAL INDICATION CHART

DESIGNATION	PHASE	FLASH	INDICATION TYPE (SIZE) R	Y	G	R ←	Y →	G →	NOTES
2-1, 2-2, 2-3, 2-4	2	R	12"	12"	12"				(1)
4-1, 4-2, 4-3	4	R	12"	12"	12"				(1)
6-1, 6-2, 6-3	6	R	12"				12"	12"	(2) ▲

INDICATION NOTES:
(1) INPLACE, LEAVE INPLACE
▲(2) R&S YELLOW AND GREEN RIGHT ARROW LENSES
F&d YELLOW AND GREEN CIRCULAR LENSES

DETECTOR CHART

DESIGNATION	PHASE	SIZE/FT.	FUNCTION	DISTANCE TO STOP BAR
DS-46	–	1-6'X6'	SAMPLING	–
DS-47	–	1-6'X6'	SAMPLING	–
DS-48	–	1-6'X6'	SAMPLING	–

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS

NOTES

1. 200 WATT HIGH PRESSURE SODIUM LUMINAIRE – SEE SPECIAL PROVISIONS.
2. PEDESTRIAN INDICATIONS SHALL BE 9" X 9".
3. ALL HANDHOLES SHALL BE PVC TYPE WITH METAL FRAMES & COVERS.
4. EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
5. POLE MOUNTED INDICATIONS SHALL HAVE EXTENDED BRACKETING.
6. ▲ AND/OR F&d – DENOTES FURNISH AND INSTALL.
7. ▲ R&S – DENOTES REMOVE AND SALVAGE.
8. * DENOTES ITEMS FOR INTERCONNECT SYSTEM "A".
9. REMOVE AND SALVAGE ITEMS FROM INPLACE TRAFFIC SIGNAL SYSTEM NOT USED IN NEW SYSTEM, PER SPECIAL PROVISIONS.
10. THE WORK FOR THIS REVISION INCLUDES, BUT IS NOT LIMITED TO: REPLACING VEHICLE SIGNAL FACES, R&S MAST ARM SIGNS, F&d EIGHT PEDESTRIAN PUSH BUTTONS, F&d EVP DETECTORS AND CONFIRMATION LIGHTS, F&d CONDUIT AND CONDUIT FITTINGS, F&d HANDHOLES, F&d TRAFFIC SIGNAL ELECTRICAL CABLES AND CONDUCTORS, F&d BONDING AND GROUNDING MATERIALS, ETC.

REV. NO.	DATE	ITEM
1	5/29/09	NOTED REMOVE AND SALVAGE OF ADDITIONAL SIGNS

I HEREBY CERTIFY THAT THIS PLAN SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Michael P. Spack
SIGNATURE

MICHAEL P SPACK
TYPED NAME

MAY 15,2009
DATE

40936
REG. NO.

TRAFFIC SIGNAL "A" INTERSECTION LAYOUT

S.A.P. NO. 118-130-04 & 118-192-001 2nd St. – 0383TR 6th Ave. E. – 0441TR