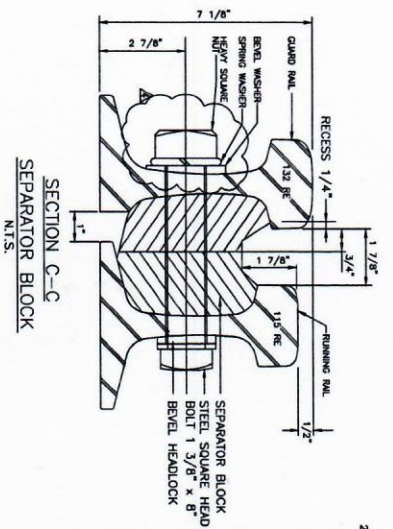
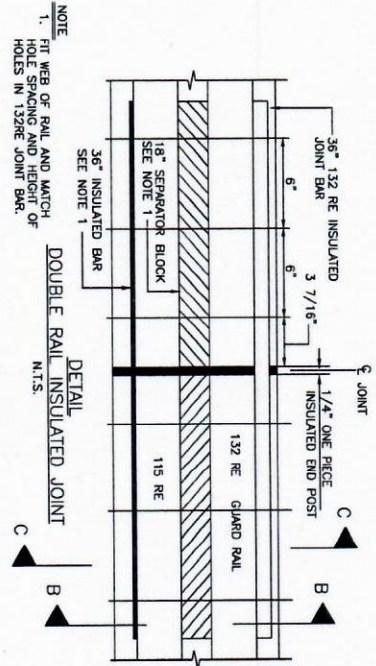


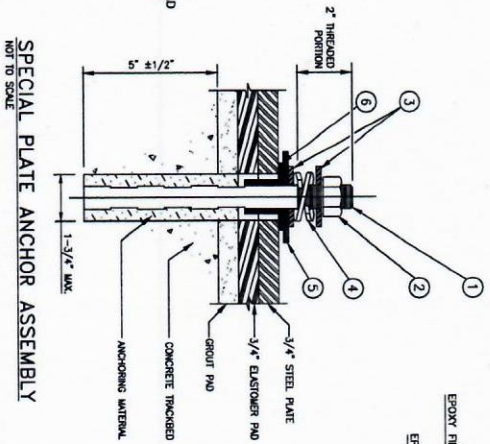
SECTION B-B
DOUBLE RAIL INSULATED JOINT
N.T.S.



SECTION C-C
SEPARATOR BLOCK
N.T.S.



NOTE
1. FIT WEB OF RAIL AND MATCH HOLE SPACING AND HEIGHT OF HOLES IN 132RE JOINT BAR.



SPECIAL PLATE ANCHOR ASSEMBLY
NOT TO SCALE

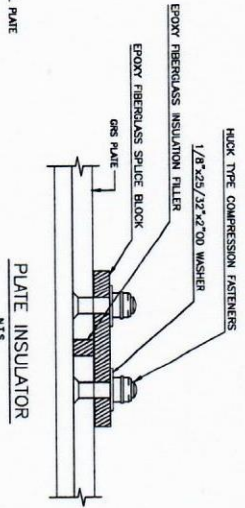


PLATE INSULATOR
N.T.S.

ITEM	QTY.	DESCRIPTION
1	1	STEEL STUD 7/8\" x 10\" ASTM-A49
2	1	STEEL WASH. NUT FOR 7/8\" BOLT, WASHER FACED, ASTM-A-325
3	2	STEEL WASHER, 1 1/2\" O.D., 2-1/4\" THICK, ASTM-A-325
4	1	DOUBLE COIL SPRING WASHER
5	1	INSULATING FIBER WASHER, 1-9/32\" I.D., 3-3/8\" O.D.
6	1	ONE PIECE INSULATING FIBER WASHER (5/8\"/2\" I.D., 3-1/2\" O.D.) AND INSULATING SLEEVE (29/32\" I.D., 1-9/32\" O.D.)

BILL OF MATERIAL - ANCHOR ASSEMBLY

DESIGNED BY	DATE	REVISIONS	DATE	DESCRIPTION
ADAM	01/15	1	01/15	ISSUED FOR PERMIT
ADAM	01/15	2	01/15	REVISED PER COMMENTS
ADAM	01/15	3	01/15	REVISED PER COMMENTS
ADAM	01/15	4	01/15	REVISED PER COMMENTS
ADAM	01/15	5	01/15	REVISED PER COMMENTS
ADAM	01/15	6	01/15	REVISED PER COMMENTS

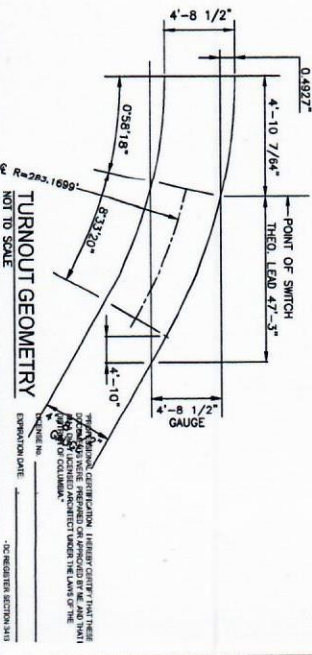
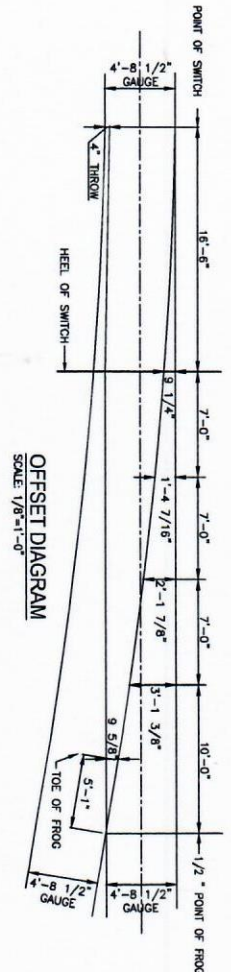
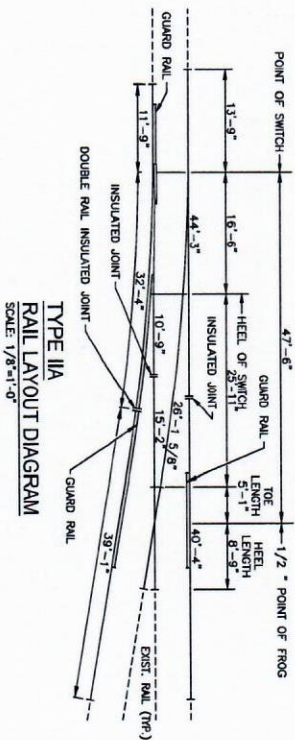
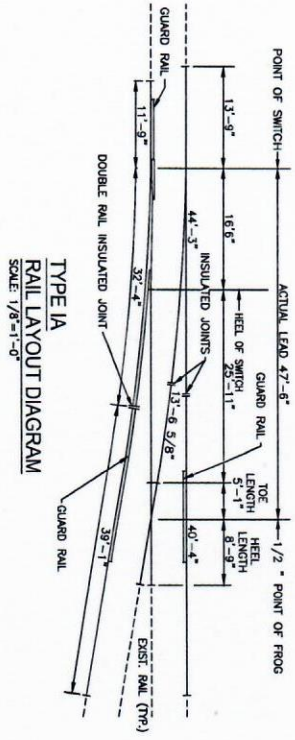
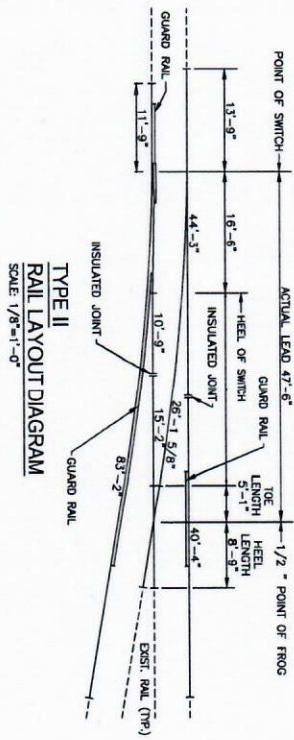
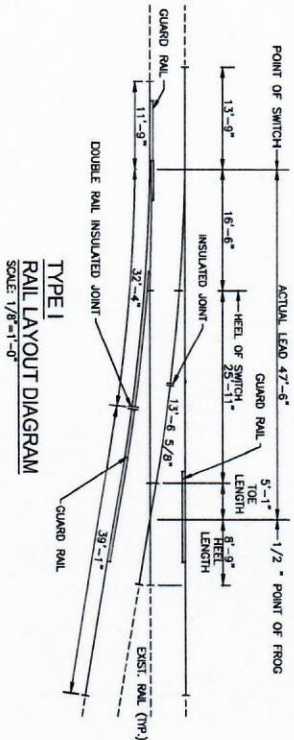
DATE	BY	DESCRIPTION
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01/15	ADAM	REVISED PER COMMENTS
01/15	ADAM	REVISED PER COMMENTS
01/15	ADAM	REVISED PER COMMENTS
01/15	ADAM	REVISED PER COMMENTS
01/15	ADAM	REVISED PER COMMENTS

NO.	SCALE	DRAWING NO.	SHEET NO.
NO. 6	AS SHOWN	ST-TW-014	2 OF 2

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
CENI - TRACK STRUCTURES & FACILITIES

TRACKWORK STANDARD DRAWING
NO. 6 GUARDED EQUILATERAL TURNOUT,
DIRECT FIXATION TRACK,
DETAILS SHEET 2 OF 2

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND AND THAT I AM A QUALIFIED AND LICENSED ARCHITECT UNDER THE LAWS OF THE DISTRICT OF COLUMBIA.
LICENSE NO. _____
EXPIRATION DATE _____



DESIGNED BY		DATE		REVISIONS		DATE		DESCRIPTION	
DESIGNED	DATE	DATE	DATE	NO.	BY	DATE	DATE	DESCRIPTION	
APPROVED	DATE	DATE	DATE	NO.	BY	DATE	DATE	DESCRIPTION	
CHECKED	DATE	DATE	DATE	NO.	BY	DATE	DATE	DESCRIPTION	

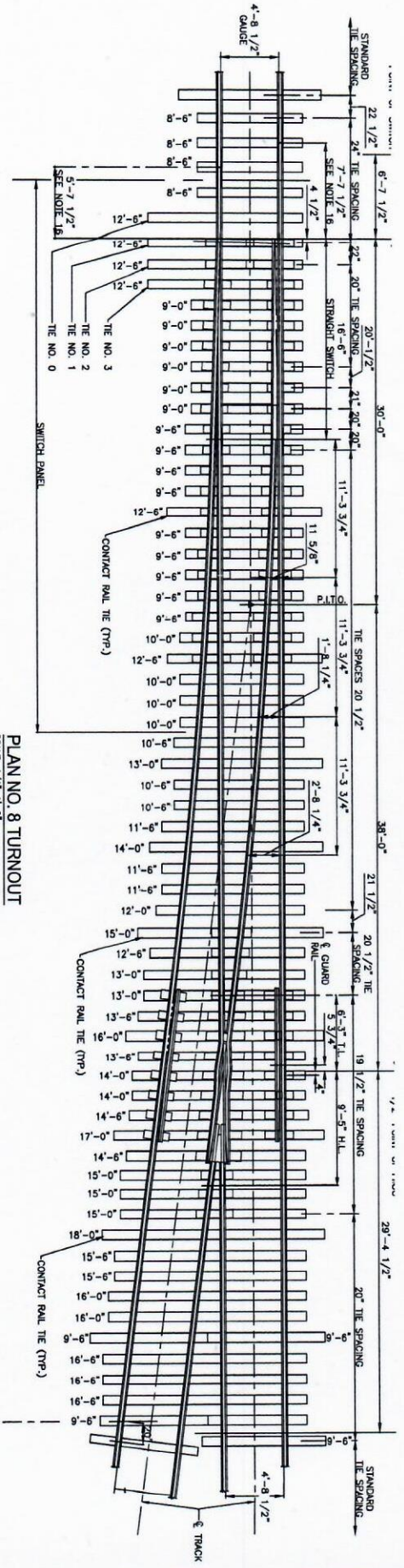
NO.	DATE	DESCRIPTION

DESIGNED BY	DATE	DATE	DATE	NO.	BY	DATE	DATE	DESCRIPTION
APPROVED	DATE	DATE	DATE	NO.	BY	DATE	DATE	DESCRIPTION
CHECKED	DATE	DATE	DATE	NO.	BY	DATE	DATE	DESCRIPTION

CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
FO.	NOT TO SCALE	ST-1W-016	# 1

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
CENTRAL TRACK STRUCTURES & FACILITIES

TRACKWORK STANDARD DRAWING
PLAN NO. 6 GUARDED TURNOUT
RAIL LAYOUT, BALLASTED TRACK



PLAN NO. 8 TURNOUT
SCALE: 1/4"=1'-0"

NOTES:

1. GAUGE WIDTH THROUGHOUT TURNOUTS IS 4' 8 1/2"
2. TURNOUT UNITS SHALL BE FULLY ASSEMBLED IN THE FACTORY FOR SHIPMENT. FIELD INSTALLATION SHALL BE LIMITED TO THE NECESSARY TO ASSURE LOCATION AND ALIGNMENT OF PLATES USED TO FASTEN CUR.
3. SWITCH PANEL SHALL BE SHIPPED AS ONE UNIT.
4. TIES 0, 1, 2, 3 AND ALL CONTACT RAIL TIES MAY BE BUNDLED, TAGGED AND SHIPPED SEPARATELY FROM SWITCH PANEL TO FACILITATE TRANSPORTING.
5. ALL RAIL AND COMPONENTS SHALL CONFORM TO 115 RE RAIL SECTION.
6. RAIL SHALL BE HEAD HARDENED.
7. CLOSURE RAIL LENGTHS INDICATED ARE TOTAL LENGTHS AND DO NOT ALLOW FOR STAMPOED OR INSULATED JOINTS.
8. RAIL JOINTS SHOWN IN RAIL LAYOUT DIAGRAM INTERNAL TO THE TURNOUT ARE REQUIRED. ALL OTHER JOINTS REQUIRED FOR PARALLELIZING THE SWITCH OR TO ADJ IN TRANSPORTING COMPONENTS SHALL BE LOCATED AT THE DISCRETION OF THE CONTRACTOR. JOINTS IN OPPOSITE RAILS SHALL HAVE A TWO THE STRONGER.
9. RAIL ENDS TO BE JOINTED TO CUR ARE UNBUNDLED.
10. DO NOT BRILL FOR JOINTS ON STOCK RAILS AHEAD OF P.S.
11. RIGHT HAND TURNOUT IS SHOWN, LEFT HAND TURNOUT IS OPPOSITE HAND.
12. ALL RAILS WITHIN TURNOUT UNITS ARE CLAMPED TO THE PLATES BY LEFT HAND PANDROL SPRING CLIPS - E2056
13. RAIL AT JOINT BARS ARE FASTENED WITH LEFT HAND MODIFIED 'E' CLIPS
14. ALL PLATES ARE FASTENED TO TIES WITH 7/8" SCREW SPICES.
15. ALL PLATES ARE PUNCHED FOR 7/8" SCREW SPICES.
16. DIMENSIONS SHOWN ON STOCK RAILS AHEAD OF POINT OF SWITCH ARE TO BE MAINTAINED THROUGHOUT TURNOUT UNITS. ALL DIMENSIONS TO POINT OF SWITCH WHERE OTHER THAN STANDARD LENGTHS ARE REQUIRED.
17. THE NO. 5 0 AND 3 SHALL BE 9'-0" LONG FOR HAND THROW SWITCHES.

TURNOUT DATA

NO. 8 TURNOUT-BALLASTED TRACK	NO. 8 TURNOUT-BALLASTED TRACK	TURNOUT DATA
QTY	DESCRIPTION	NUMBER
1	18'-6" STRAIGHT SWITCH WITH GALVANIZED RISERS, PLATED, BALLASTED TRACK, COMPLETE	7'-08"-10"
2	12'-6" GUARD RAIL COMPLETE, 123 RE.	6'-5"
AR	STRAIGHT CLOSURE RAIL, STOCK RAIL AND TURNOUT RAIL	9'-5"
AR	7' X 9" TIMBER SWITCH TIES	15'-8"
AR	7/8" SCREW SPICES	8 1/2/16"
AR	LEFT HAND PANDROL CLIPS - #2056	14 9/16"
AR	BOILED RAIL JOINTS COMPLETE, 6 HOLE, 36 INCH.	16'-6"
AR	BOILED STANDARD RAIL JOINTS COMPLETE, 6 HOLE, 36 INCH.	0"
AR	BOILED INSULATED RAIL JOINTS COMPLETE, 6 HOLE, 36 INCH.	1'-48"-32"
		6 1/4"
		1 11/16"
		45'-3"
		45'-5 5/16"
		482.23'
		17'-23'-44"
		2'-1 3/8"
		0"

DESIGNED BY	DATE	NUMBER	REFERENCE DRAWINGS
DRAWN BY	DATE	TITLE	
CHECKED BY	DATE		
DATE			

REVISIONS	DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
CENI - TRACK STRUCTURES & FACILITIES

APPROVED BY: _____ DATE: _____
DESIGNED BY: _____ DATE: _____

CONTRACT NO. _____ SCALE: 1/4" = 1'-0"
SHEET NO. _____ OF _____

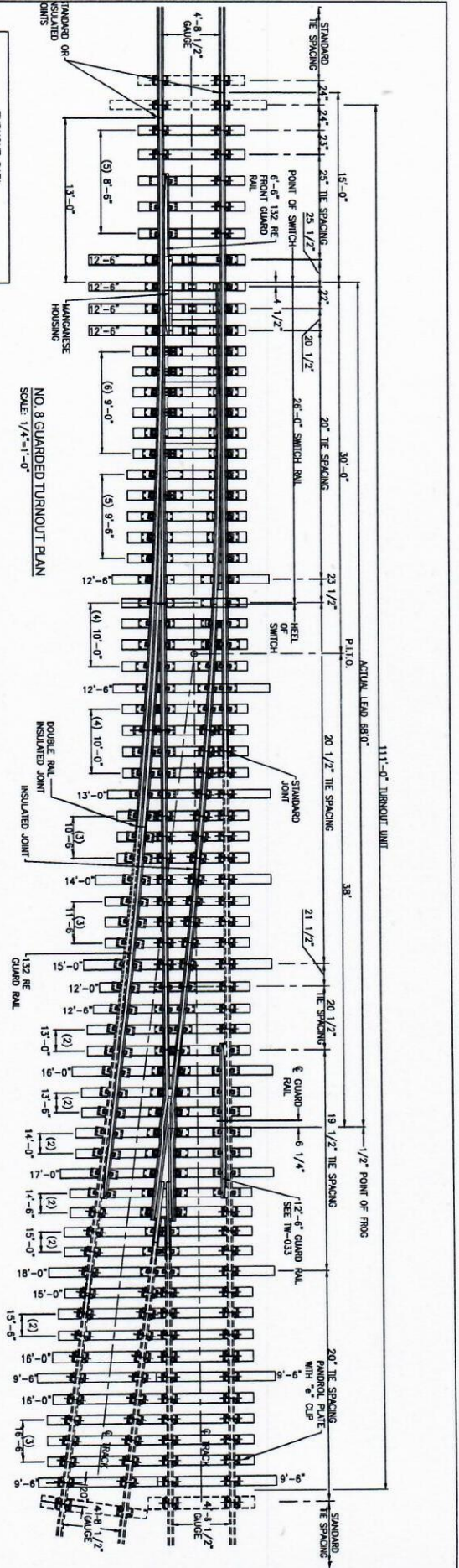
TRACKWORK STANDARD DRAWING
PLAN NO. 8 TURNOUT
BALLASTED TRACK

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE DISTRICT OF COLUMBIA.

LICENSE NO. _____ EXPIRES DATE: _____

DATE: _____

DC - REGISTERED SECTION 410



NO. 8 GUARDED TURNOUT PLAN
SCALE: 1/4" = 1'-0"

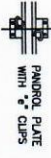
TURNOUT DATA	
NUMBER	8
ANGLE	7'-09"-10"
HEEL LENGTH	6'-3"
HEEL LENGTH	9'-5"
TOTAL LENGTH	13'-8"
HEEL SPREAD	8'-13/16"
HEEL SPREAD	14'-9/16"
LENGTH OF SWITCH RAIL	26'-0"
THICKNESS AT POINT	0"
ANGLE AT HEEL	3'-07"-09"
ANGLE AT POINT	0'-11"-48"
HEEL SPREAD	9"
CURVED POINT RADIUS	509.98'
VERTIX DISTANCE	0"
ACTUAL LEAD	68'-0"
STRAIGHT CLOSURE LENGTH	35'-9"
CURVED CLOSURE LENGTH	35'-10 31/32"
CURVED CLOSURE RADIUS	509.98'
CENTRELINE RADIUS	507.63'
DEGREE OF CURVE	11'-17"-13"
TANGENT AT HEEL OF SWITCH	0"
TANGENT AT TOE OF FROG	0"

BILL OF MATERIAL	
QTY	DESCRIPTION
1	26'-0" GUARDED PLATED STRAIGHT SWITCH WITH UNIFORM RISERS, 132 RE, 1/2" CLIP
1	26'-0" UNGUARDED PLATED CURVED SWITCH WITH UNIFORM RISERS, 132 RE, 1/2" CLIP
1	NO. 8 PLATED RAIL BOUND MANGANESE FROG, BALLASTED, COMPLETE
1	12'-0" GUARD RAIL, COMPLETE
1	MANGANESE HOUSING WITH DOCTILE IRON CHAIRS
6	DOCTILE IRON RAIL STOPS
A.R.	132 RE GUARD RAILS
A.R.	CURVED CLOSURE RAIL, STOCK RAIL, TURNOUT RAIL
A.R.	STRAIGHT CLOSURE RAIL, STOCK RAIL
A.R.	BOLTED STANDARD RAIL JOINTS, 6 HOLE, 36 INCH
A.R.	BOLTED INSULATED RAIL CLIPS 62056
A.R.	LEFT HAND PANDROL CLIPS 62056
A.R.	SPACER BLOCKS
A.R.	ELASTIC FASTENERS THE PLATES
A.R.	FASTENERS FOR 7/8" SCREW SPACES
A.R.	OR PLATES
A.R.	7" X 9" THICKER SWITCH TIES AS SHOWN
A.R.	7" X 9" THICKER CROSS TIES AS SHOWN
A.R.	7/8" SCREW SPACES
A.R.	PANDROL PLATES

ROUNDING RAIL AND COMPONENTS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR TRACK MATERIALS AND ALL CONTACT RAILS TIES SHALL BE BLENDED, TAGGED AND SHIPPED SEPARATELY TO FACILITATE TRANSPORTATION.

THE SCHEDULE	
LENGTH	QTY
8'-5"	3
9'-0"	6
9'-6"	6
10'-0"	3
10'-6"	3
11'-6"	3
12'-0"	1
12'-6"	7
13'-0"	2
13'-6"	3
14'-0"	2
14'-6"	2
15'-0"	4
15'-6"	2
16'-0"	3
16'-6"	3
17'-0"	1
18'-0"	1
TOTAL	68

- TIES NO. 0 AND 3 SHALL BE 9'-0" LONG
IF REQUIRED FOR HAND THROW SWITCHES.
- GAUGE WIDTH THROUGHOUT TURNOUT IS 4'-8 1/2".
 - LEGATE SPACER BLOCKS NOT MORE THAN 4'-0" LONG AND AS NECESSARY TO CLEAR JOINT BARS AND ANCHOR BOLTS.
 - JOINTS INDICATED IN RAIL LAYOUT DRAWING ARE TO BE FIELD JOINTS. ALL JOINTS SHALL BE FIELD JOINTS UNLESS OTHERWISE INDICATED. JOINTS IN OPPOSITE RAILS SHALL HAVE A TWO (2) TIE SPACER.
 - CLOSURE RAIL LENGTHS INDICATED ARE TOTAL LENGTHS AND DO NOT ALLOW FOR STANDARD OR INSULATED JOINTS.
 - RAIL ENDS TO BE JOINED TO CURR SHALL BE UN-BOLTED.
 - THE CONTRACTOR SHALL FURNISH ALL JOINTS INTERNAL TO THE TURNOUT.
 - DO NOT DRILL HOLES FOR JOINTS IN STOCK RAILS AHEAD OF POINT OF SWITCH.
 - TURNOUTS SHALL BE FULLY ASSEMBLED IN THE FACTORY. ALL RAIL ENDS SHALL BE USED DURING FACTORY ASSEMBLY TO ASSURE LOCATION AND ALIGNMENT OF PLATES USED TO FASTEN CURR.
 - SWITCH PANELS SHALL BE SHIPPED AS ONE UNIT.
 - RIGHT HAND TURNOUT IS SHOWN, LEFT HAND TURNOUT IS OPPOSITE HAND.
 - GUARD RAIL IS HIGH STRENGTH 132 RE SECTION.
 - RAIL IS HEAD HARDENED.
 - ALL RAILS WITHIN THE TURNOUT ARE FASTENED TO THE PLATES BY LEFT HAND PANDROL SPRING CLIPS - 62056.
 - RAIL AT JOINT BARS SHALL BE FASTENED WITH MODIFIED LEFT HAND PANDROL CLIP 62056, OR "C" CLIPS.
 - ALL PLATES ARE FASTENED TO TIES WITH 7/8" SCREW SPACES.
 - ALL PLATES ARE PUNCHED FOR 7/8" SCREW SPACES.
 - RAIL AT HEEL BLOCK SHALL BE FASTENED WITH PANDROL "C" CLIPS C/W THE "X" C-PLATE.
 - DIMENSIONS SHOWN ON STOCK RAILS AHEAD OF P.S. ARE STANDARD. AUTHORITY WILL SPECIFY STOCK RAIL LENGTHS AHEAD OF P.S. WHERE OTHER THAN STANDARD LENGTHS ARE REQUIRED.



NON-CONSTRUCTION INFORMATION: THESE DRAWINGS ARE PREPARED AND APPROVED BY THE ENGINEER OF RECORD AND SHALL BE USED ONLY FOR THE PROJECT AND LOCATION IDENTIFIED ON THE DRAWING OR OTHERWISE.
LICENSE NO. _____
EXPIRATION DATE: _____
-DCI (SUPERSEDED SECTION 1A)

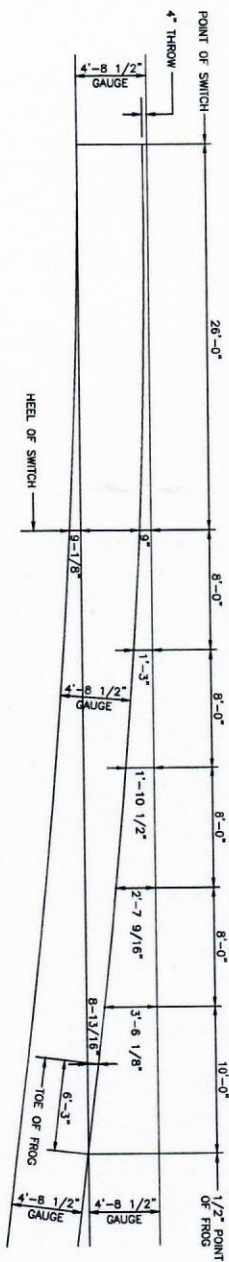
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CHECKED BY	DATE					
DESIGNED BY	DATE					
DRAWN BY	DATE					
CHECKED BY	DATE					

REVISIONS		
NO.	DATE	DESCRIPTION
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2	11/14/85	Revised per comments from client
3	12/14/85	Revised per comments from client
4	1/14/86	Revised per comments from client
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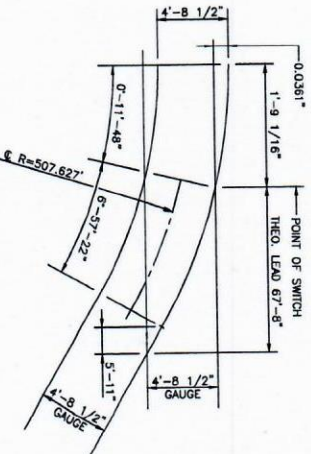
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DRAWN BY	DATE					
CHECKED BY	DATE					
DESIGNED BY	DATE					
DRAWN BY	DATE					
CHECKED BY	DATE					

DEPARTMENT OF TRANSPORTATION AND ENGINEERING SERVICES	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
CENI - TRACK STRUCTURES & FACILITIES	TRACKWORK STANDARD DRAWING
	NO. 8 GUARDED TURNOUT PLAN
	BALLASTED TRACK
CONTRACT NO.	SCALE
1/4" = 1'-0"	
DRAWING NO.	SHEET NO.
ST-1W-400	# 4

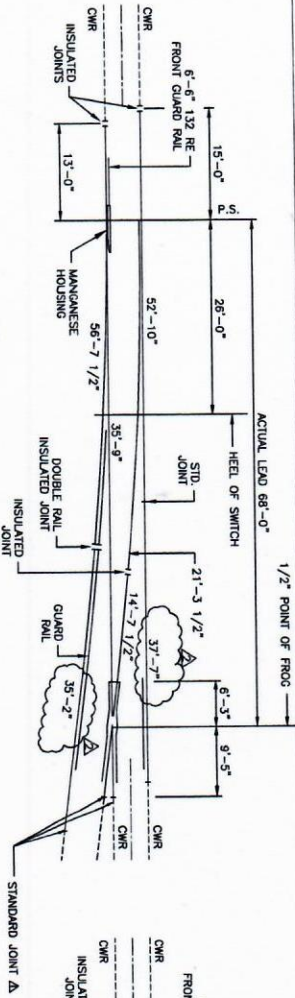
WMAIA CONFIDENTIAL INFORMATION - DO NOT DISCLOSE WITHOUT EXPRESS WRITTEN APPROVAL OF THE GENERAL MANAGER OF THE AUTHORITY



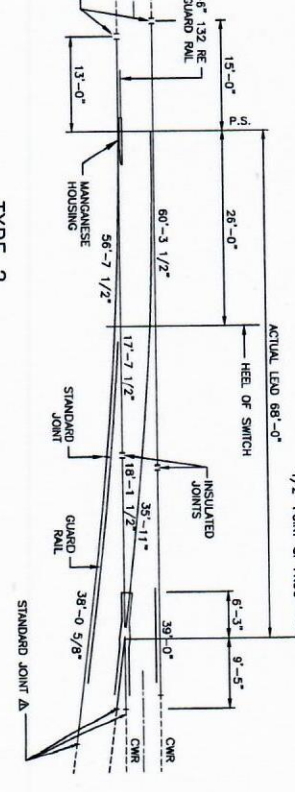
NO. 8 OFFSET DIAGRAM
SCALE 1/4"=1'-0"



NO. 8 TURNOUT GEOMETRY
NOT TO SCALE



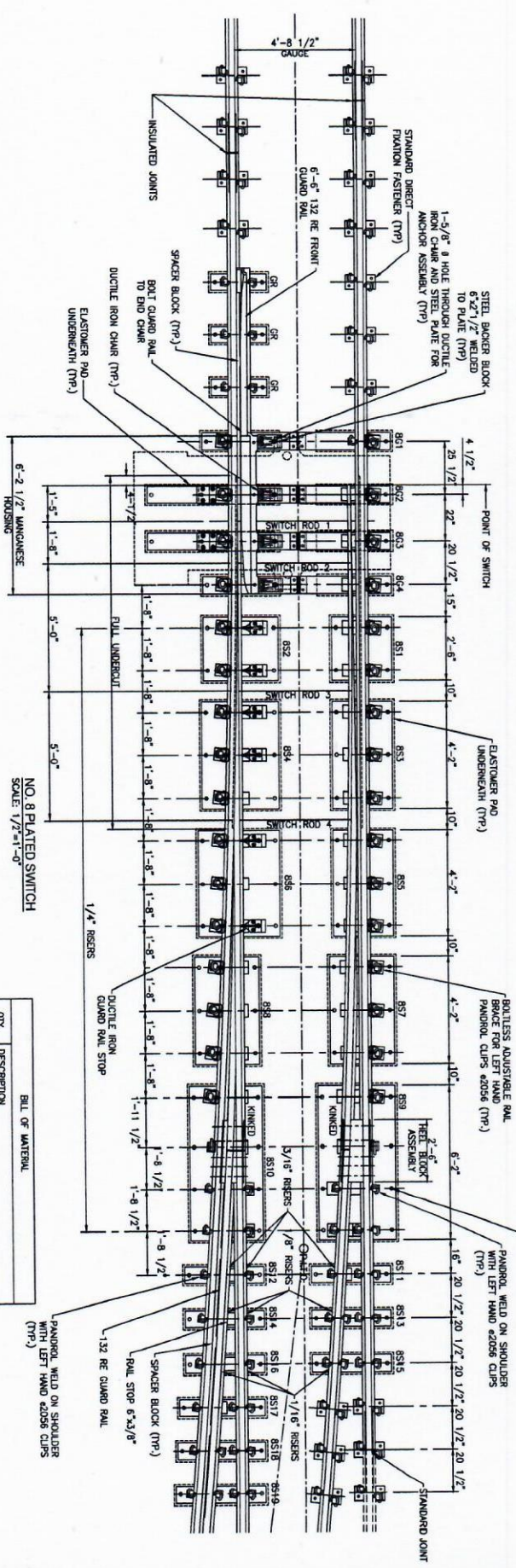
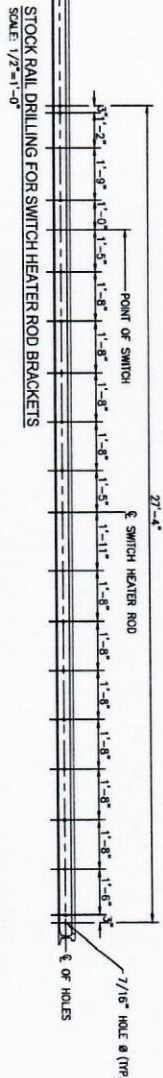
TYPE 1
RAIL LAYOUT DIAGRAM
SCALE 1/8"=1'-0"



TYPE 2
RAIL LAYOUT DIAGRAM
SCALE 1/8"=1'-0"

PROFESSIONAL CERTIFICATION. HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF WASHINGTON.

DESIGNED		DRAWN		CHECKED		DATE		REVISIONS		DEPARTMENT OF TRANSPORTATION		DATE		APPROVED		CONTRACT NO.		SCALE		DRAWING NO.		SHEET NO.	
ALANIS	SMITH	ALANIS	SMITH	ALANIS	SMITH						WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	NO. 8 GUARDED TURNOUT OFFSET, GEOMETRY, AND RAIL LAYOUT DIAGRAMS, BALLASTED TRACK	ST-1W-431	AS SHOWN	ST-1W-431	# 1							



BILL OF MATERIAL

QTY.	DESCRIPTION
A.R.	SPACER BLOCKS
A.R.	GUARD RAILS AND FRONT GUARD RAIL
A.R.	ANCHOR ASSEMBLIES

NOTES:
 1. FOR SWITCH GAUGE PLATES, SEE DETAIL, DIM. NO. ST-7H-040
 2. DUCTILE IRON CHAIR AT THE POINT OF SWITCH SHALL BE AS SHOWN IN DETAIL DRAWING ST-7H-023.

PLATE DETAILS

PLATE	LENGTH	WIDTH
8510	7'-2"	3'-4"
8511	3'-7"	8"
8512	3'-7"	8"
8513	3'-7"	8"
8514	3'-7"	8"
8515	3'-7"	8"
8516	3'-7"	8"
8517	4'-1"	8"
8518	4'-1"	8"
8519	4'-2"	8"

PLATE DETAILS

PLATE	LENGTH	WIDTH
864	8"	8"
865	30"	28"
866	30"	35"
867	50"	30"
868	50"	30"
869	7'-4"	3'-5"

BILL OF MATERIAL

QTY.	DESCRIPTION
1	26"-0" GAUDED PLATED STRAIGHT SWITCH WITH UNIFORM RESERS - D.F. COMPLETE PER AREA STD. PLAN NO. 271-82, DETAIL 5100
1	26"-0" UNGAUDED PLATED CURVED SWITCH WITH UNIFORM RESERS - D.F. COMPLETE PER AREA STD. PLAN NO. 271-82, DETAIL 5100
A.R.	STOCK RAILS, UNDERCUT FOR SWITCH RAILS
1	MANAGER HOUSING WITH DUCTILE IRON CHAIRS
32	BOLTLESS ADJUSTABLE RAIL BRACE FOR LEFT HAND PANNROL CLIPS #2056
6	DUCTILE IRON GUARD RAIL STOPS
A.R.	CLOSURE RAILS
1	HELD BLOCK ASSEMBLY FOR GAUDED SWITCH
1	HELD BLOCK ASSEMBLY FOR UNGAUDED SWITCH
A.R.	OR. 86, 85 PLATES
A.R.	ELASTOMER PADS FOR DENTY PLATE
4	INSULATED SWITCH RODS, TYPE MAS

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 CENI - TRACK STRUCTURES & FACILITIES

TRACKWORK STANDARD DRAWING
 NO. 8 GAUDED TURNOUT PLATED SWITCH,
 DIRECT FIXATION TRACK

DESIGNED BY: DATE: 10/14/08
 DRAWN BY: DATE: 10/14/08
 CHECKED BY: DATE: 10/14/08

REVISIONS

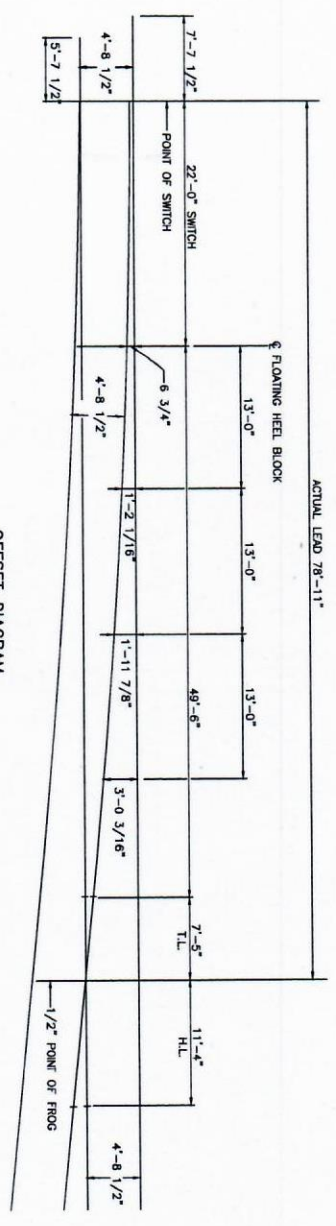
NO.	DATE	BY	DESCRIPTION
1	10/14/08	ST-11A-038	ISSUED FOR CONSTRUCTION

APPROVED: DATE: 10/14/08
 PROJECT ENGINEER: ST-11A-038
 CHECKED: ST-11A-038

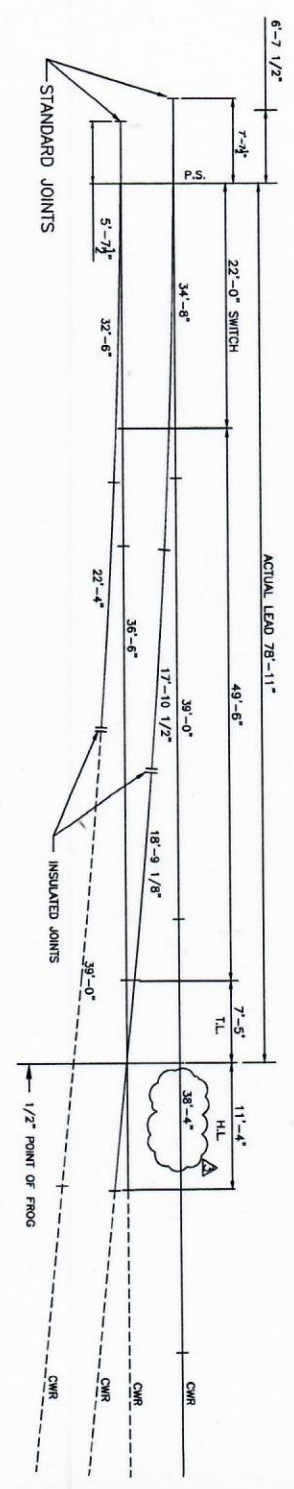
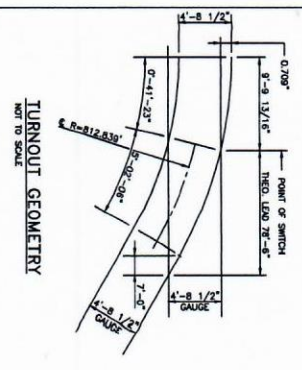
SCALE: 1/2" = 1'-0"

SHEET NO. # P.

WMAIA CONFIDENTIAL INFORMATION - DO NOT DISCLOSE WITHOUT EXPRESS WRITTEN APPROVAL OF THE GENERAL MANAGER OF THE AUTHORITY



OFFSET DIAGRAM
NOT TO SCALE



RAIL LAYOUT DIAGRAM
NOT TO SCALE

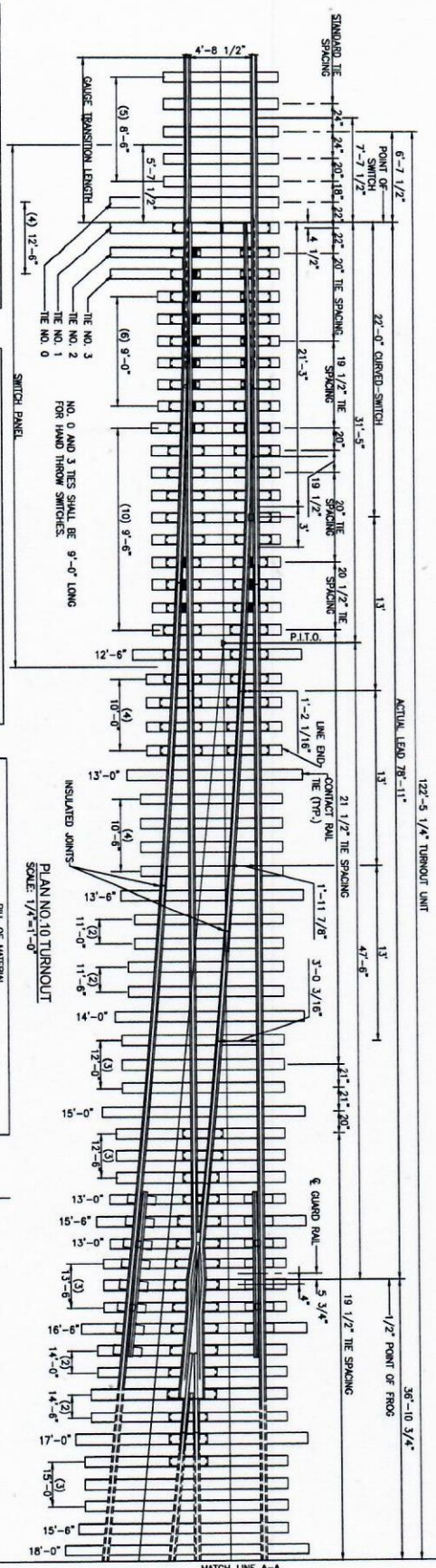
REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		TRACKWORK STANDARD DRAWING	
NO.	TITLE	DATE	BY	DESCRIPTION	NO.	DATE	NO.
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DEPARTMENT OF TRANSPORTATION AND ENGINEERING SERVICES
CENI - TRACK STRUCTURES & FACILITIES

NO. 10 PLATED TURNOUT OFFSET, GEOMETRY & RAIL LAYOUT DIAGRAMS, BALLASTED TRACK

CONTRACT NO. ST-17442
SCALE: NOT TO SCALE
DRAWING NO. ST-17442
SHEET NO. # of #

PROFESSIONAL CERTIFICATION: I, LICENSEE, CERTIFY THAT THE DOCUMENTS HEREIN PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED ARCHITECT ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.
LICENSEE NO. _____
EXPIRES DATE: _____
-OF REGISTERED SECTIONS 1411



TURNOUT DATA	
NUMBER	10
ANGLE	5'-4 1/2" - 29"
TOE LENGTH	7'-5"
HEEL LENGTH	11'-4"
TOTAL LENGTH	18'-9"
TOE SPREAD	8 3/8"
HEEL SPREAD	14 1/8"
LENGTH OF SWITCH	22'-0"
HEEL SPREAD	6 3/4"
HEEL ANGLE	2'-14" - 12"
THICKNESS AT POINT	0"
ANGLE AT POINT	0'-41" - 23"
RADIUS	813.19'
VERTICES DISTANCE	23.92'
THICKNESS AT POINT	0"
ANGLE AT POINT	0'
RADIUS	0
VERTICES DISTANCE	0

BILL OF MATERIAL	
QTY.	DESCRIPTION
1	NO. 10 PLATED SWITCH-BALLASTED TRACK, COMPLETE
1	NO. 10 PLATED FROG-BALLASTED TRACK, COMPLETE
2	12'-6" TIE RAIL DESIGN GUARD RAIL, COMPLETE
A.R.	STRAIGHT CLOSURE RAIL, STOCK RAIL AND TURNOUT RAIL
A.R.	CURVED CLOSURE RAIL, STOCK RAIL AND TURNOUT RAIL
A.R.	ELASTIC FASTENER THE PLATES PUNCHED FOR 7/8" SCREW SPICES
A.R.	STANDARD RAIL JOINTS, COMPLETE
A.R.	INSULATED RAIL JOINTS, COMPLETE
A.R.	LEFT HAND PANGROL CLIPS #2056
A.R.	7" X 8" TIMBER SWITCH TIES AS SHOWN

THE SCHEDULE	
LENGTH	QTY.
8'-6"	5
8'-0"	6
9'-6"	10
10'-0"	4
10'-6"	4
11'-0"	2
11'-6"	2
12'-0"	3
12'-6"	8
13'-0"	2
13'-6"	4
14'-0"	3

REVISIONS	
DATE	DESCRIPTION
10/12/12	Revised to Standard
10/12/12	Revised to Standard
10/12/12	Revised to Standard
10/12/12	Revised to Standard
10/12/12	Revised to Standard

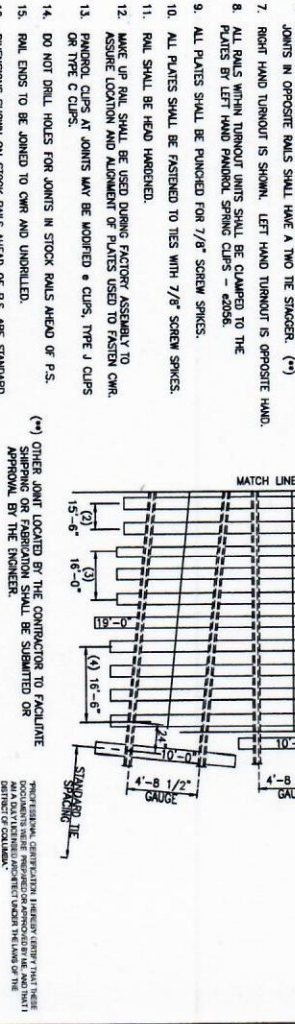
DESIGNED BY: DATE: DRAWN BY: DATE: CHECKED BY: DATE:

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 CENI - TRACK STRUCTURES & FACILITIES

TRACKWORK STANDARD DRAWING
 NO. 10 PLATED TURNOUT PLAN,
 BALLASTED TRACK

CONTRACT NO. SCALE: 1/4" = 1'-0" DRAWING NO. SHEET NO. # 1 OF 1

- GAUGE THROUGHOUT TURNOUT IS 4'-8 1/2".
- TURNOUT UNITS SHALL BE FULLY ASSEMBLED IN THE FACTORY FOR INSPECTION.
- SWITCH PANEL SHALL BE SHIPPED AS ONE UNIT.
- TIES 0, 1, 2, 3 AND ALL CONTACT RAIL TIES MAY BE BUNDLED, TAGGED AND SHIPPED SEPARATELY FROM SWITCH PANEL TO FACILITATE TRANSPORTATION.
- ALL RAIL AND COMPONENTS SHALL CONFORM TO 115 RE RAIL SECTION.
- RAIL JOINTS SHOWN IN RAIL LAYOUT DIAGRAM ARE REQUIRED.
- RAIL JOINTS IN OPPOSITE RAILS SHALL HAVE A TIE JOINT. (*)
- RIGHT HAND TURNOUT IS SHOWN. LEFT HAND TURNOUT IS OPPOSITE HAND.
- ALL RAILS WITHIN TURNOUT UNITS SHALL BE CLAMPED TO THE PLATES BY LEFT HAND PANGROL SPRING CLIPS - #2056.
- ALL PLATES SHALL BE PUNCHED FOR 7/8" SCREW SPICES.
- ALL PLATES SHALL BE FASTENED TO TIES WITH 7/8" SCREW SPICES.
- RAIL SHALL BE HEAD TRIMMED.
- MAKE UP RAIL SHALL BE USED DURING FACTORY ASSEMBLY TO ASSURE LOCATION AND ALIGNMENT OF PLATES USED TO FASTEN CHR. PANGROL CLIPS AT JOINTS MAY BE MODIFIED & CLIPS, TYPE J CLIPS OR TYPE C CLIPS.
- DO NOT DRILL HOLES FOR JOINTS IN STOCK RAILS HEAD OF P.S.
- RAIL ENDS TO BE JOINED TO CHR. AND UNBUNDLED.
- DIMENSIONS SHOWN ON STOCK RAILS HEAD OF P.S. ARE STANDARD.
- RAIL ENDS TO BE JOINED TO CHR. AND UNBUNDLED.
- OTHER JOINT LOCATED BY THE CONTRACTOR TO FACILITATE SHIPPING OR FABRICATION SHALL BE SUBMITTED OR APPROVAL BY THE ENGINEER.
- CLOSURE LENGTHS INDICATED ARE TOTAL LENGTH WITH NO ALLOW. FOR STANDARD. OR INS. V/S.



THE SCHEDULE	
LENGTH	QTY.
14'-6"	2
15'-0"	4
15'-6"	4
16'-0"	3
16'-6"	3
17'-0"	1
18'-0"	1
19'-0"	1
TOTAL	74

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 CENI - TRACK STRUCTURES & FACILITIES

TRACKWORK STANDARD DRAWING
 NO. 10 PLATED TURNOUT PLAN,
 BALLASTED TRACK

CONTRACT NO. SCALE: 1/4" = 1'-0" DRAWING NO. SHEET NO. # 1 OF 1

