

***PLEASE READ FIRST:**

- 1) THIS LINEAR LIGHTING SYSTEM SHOULD BE INSTALLED PRIOR TO THE INSTALLATION OF THE CEILING.
- 2) ALL REFERENCES TO LEFT AND RIGHT HAND SIDE INSTALLATION ARE BASED ON VIEWING THE SYSTEM FACING THE WALL WITH THE FIXTURES IN THE INSTALLED POSITION.
- 3) ALL FIXTURE RUNS ARE CONSTRUCTED LEFT TO RIGHT.
- 4) LETTERS REFER TO INSTALLATION STEPS BELOW. NUMBERS REFER TO PARTS LISTING.

***INSTALLATION PROCEDURE**

A STEP A - MOUNT WALL SIDE EXTRUSIONS.

Using #8 screws install WALL EXTRUSION 1 with bottom face flush with finished ceiling line. Shim as required to maintain flat and straight installation. Maintain within $\pm 3\text{mm}$ [$\pm 1/8"$] at all times.

B STEP B - INSTALL END UNITS or CORNERS

Install Starter Fixture at Left (or Left and Right corners) and suspend. Note that corners do not have any lamp assemblies. The Starter Fixture and corners serve as receptacles for the lamp fixture assemblies which plug 150mm [6"] into these units at the start and end of each run. Each fixture assembly has an extension of 150mm [6"] that fits into the next fixture allowing for lamp overlap. (See Fig. A and Fig. B)

C STEP C - INSTALL LAMP FIXTURE UNITS AS INDICATED IN THE RUN COMPOSITION PRINTOUT

AS SUPPLIED BY METALUMEN MANUFACTURING.

The length of the FIXTURE RUN determines the type of units used at the beginning and for subsequent fixtures.

All fixture housings should be bolted together at each flange (FIG. D).

Caution should be taken to ensure that wires are not pinched during this operation.

The fixture run print out as supplied by Metalumen may recommend any of the following fixtures in a run: STARTER STANDARD, STAND ALONE, STAND ALONE TELESCOPING, STANDARD ASSEMBLY, END FIXTURE TELESCOPING.

Applications involving emergency circuits require the use of the above fixtures with EMERGENCY designation.

PROGRESSIVELY CONNECT MAIN POWER SUPPLY

Knockouts are provided in the upper wireway for the main wiring circuit and in the lower wireway for emergency or nightlight circuits (when these options are purchased).

D STEP D - STANDARD ASSEMBLY

ONE LAMP VERSION:

This fixture is a combination of two parts: a 1220mm [48"] BODY unit and a ballast channel with single lamp or dual lamp ballast version (SA-4870).

TWO LAMPS VERSION:

This fixture is a combination of two parts: a 1220mm [48"] BODY unit and a ballast channel with dual lamp ballast version (SA-4871).

The above main fixtures are the primary fixtures used in all long runs of 4270mm [168"] or greater.

E STEP E - TELESCOPIC SECTION

The upper and lower filler for these fixtures are shipped loose and must be field cut as required. (see FIG. A, FIG. B)

This should be done as the last operation in case final adjustments are required. Set the fixture into position and make electrical connections. Bolt left section to fixture at left using hardware kit provided (FIG. D). Slide right end section to far right until touching wall (STRAIGHT RUN) or to corner flange (RUN WITH CORNERS). Trim UPPER FILLER and LOWER FILLER to fit and screw to body.

F STEP F - SECURE LAMP FIXTURE ASSEMBLIES TO CEILING EXTRUSIONS

Install spacer brackets (SHIPPED SEPARATELY) to maintain opening during the balance of the installation procedure. (see FIG. C)
THE OPENING MUST BE HELD WITHIN 3mm [1/8"]

G STEP G - TRIM AND INSTALL CEILING TILE.

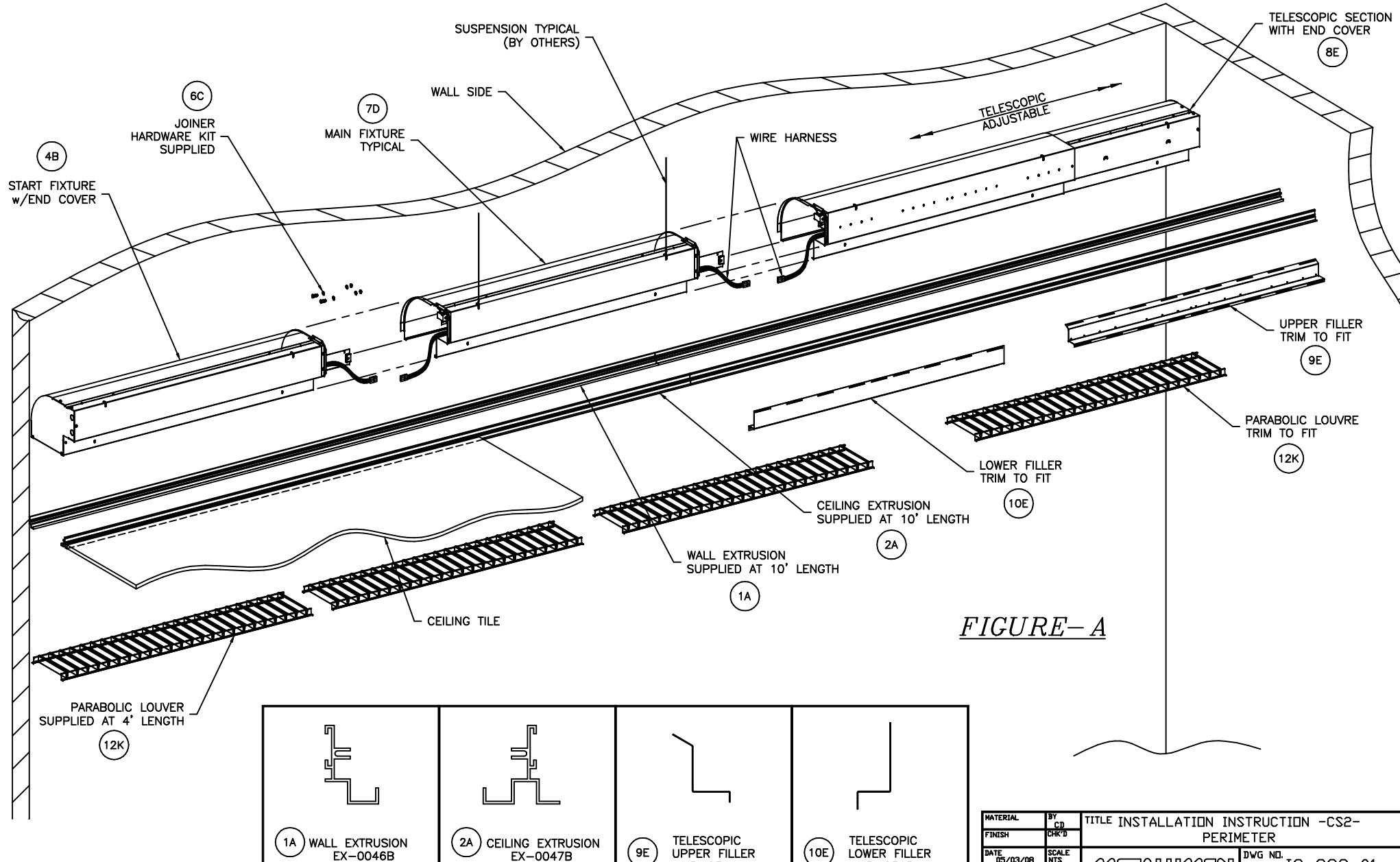
H STEP H - REMOVE SPACER BRACKETS.

K STEP K - INSTALL LAMPS, LOUVRES or BAFFLES.

CAUTION

CAUTION SHOULD BE TAKEN WHEN CONNECTING THE POWER SUPPLY AND ENERGIZING THIS SYSTEM. THIS LINEAR RECESSED LIGHTING SYSTEM IS A CONTINUOUS MULTIPLE CIRCUIT LIGHTING ASSEMBLY THAT CAN BE ENERGIZED FROM SEVERAL POINTS. ALL ELECTRICAL CIRCUITS SHOULD BE CONNECTED ACCORDING TO THE ELECTRICAL PLANS.

MATERIAL	BY CD	TITLE INSTALLATION INSTRUCTION -CS2-	
FINISH	CHK'D	PERIMETER	
DATE	SCALE	DWG NO.	
05/03/08	1/8"	METALUMEN	IS-CS2-01
SHT 1	OF 4		



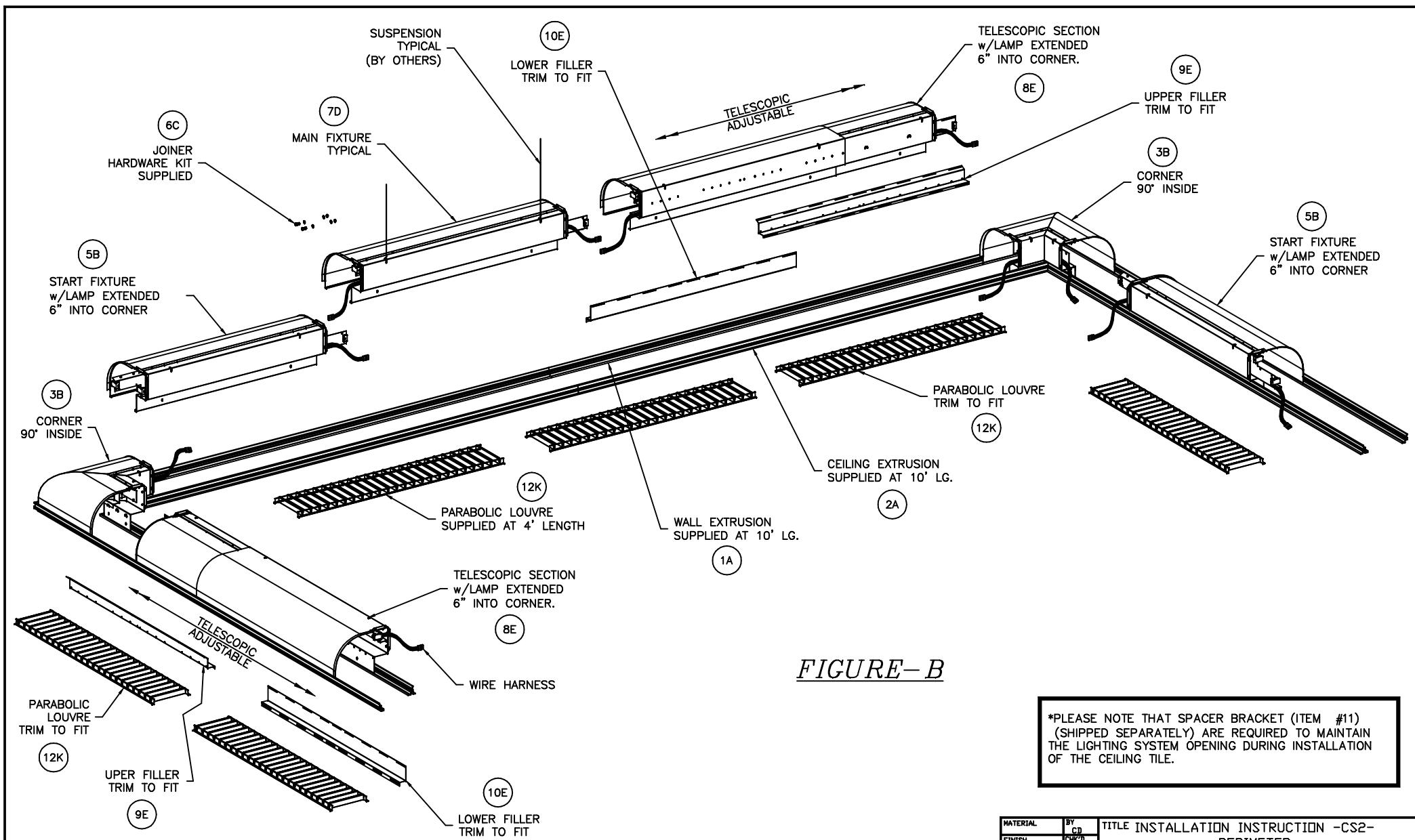


FIGURE-B

***PLEASE NOTE THAT SPACER BRACKET (ITEM #11) (SHIPPED SEPARATELY) ARE REQUIRED TO MAINTAIN THE LIGHTING SYSTEM OPENING DURING INSTALLATION OF THE CEILING TILE.**

MATERIAL	BY CD	TITLE INSTALLATION INSTRUCTION -CS2-		
FINISH	CHK'D	PERIMETER		
DATE 05/03/08	SCALE RTS	DWG NO.		IS-CS2-01
SHT 3 / F4		METALUMEN		

FIGURE-C

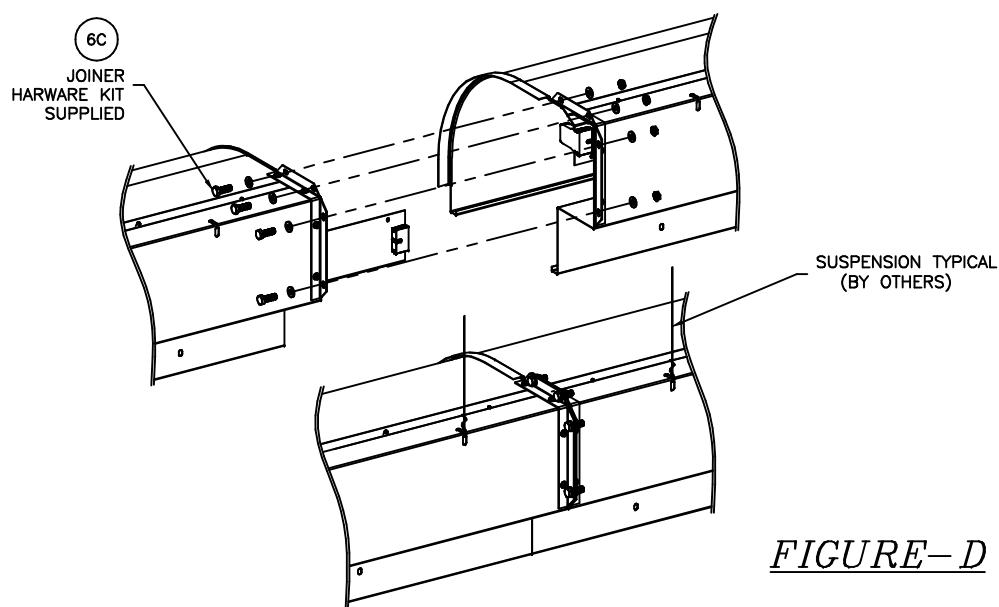
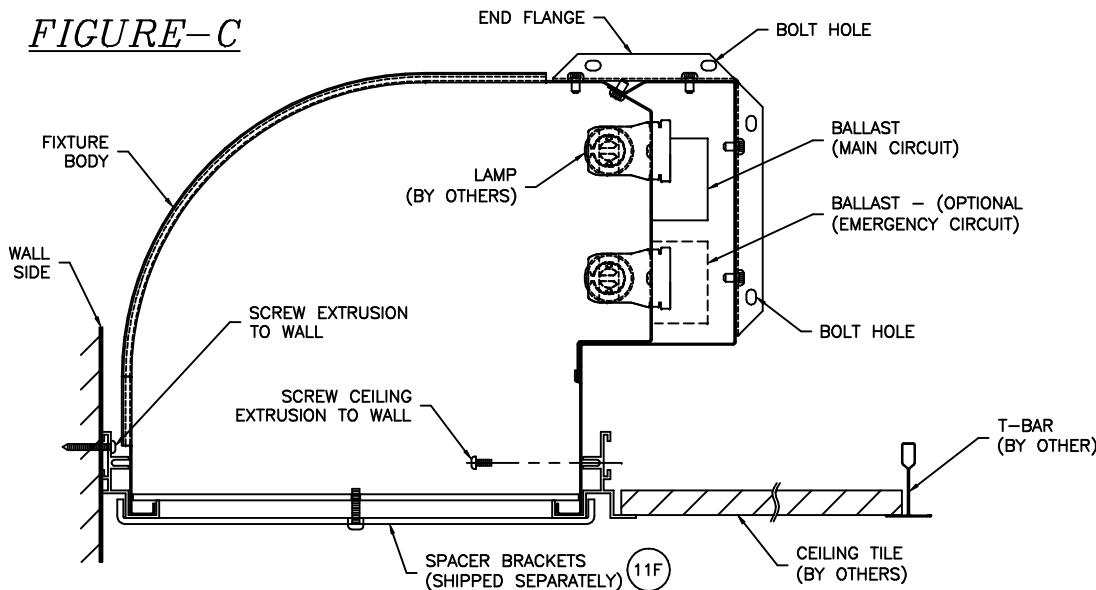


FIGURE-D

*PARTS LISTING/DESCRIPTION

- 1- WALL SIDE EXTRUSION
EX-0046B WALL SIDE EXTRUSION
- 2- CEILING SIDE EXTRUSION
EX-0047B CEILING SIDE EXTRUSION
- 3- CORNERS
SA-4886-01 INSIDE 90° CORNER
SA-4888-01 OUTSIDE 90° CORNER
- 4- STARTER (STRAIGHT RUN)
SA-4870-06S 30" STARTER w/END COVER
SA-4870-03S 36" STARTER w/END COVER
SA-4870-05S 42" STARTER w/END COVER
SA-4871-04S 48" STARTER w/END COVER
- 5- STARTER (WITH CORNER)
SA-4879 42" STARTER JOIN AT CORNER
- 6- HARWARE KIT
CS-HDWR -> #10-32x3/4" LG. HEX HEAD BOLT
#10 FLAT WASHER
#10-32 'K-LOCK LOCK NUT
- 7- MAIN FIXTURE
SA-4870-04M 1 LAMP 48"
SA-4871-04 2 LAMP 48"
- 8- TELESCOPIC FIXTURE
SA-4874-04J END JOINER STANDARD
SA-4874-05A STAND ALONE (w/END COVERS)
SA-4874-05E END FIXTURE (STRAIGHT RUN w/END COVER)
- 9- FILLER (USE ON TELESCOPIC FIXTURE)
MP-8314 UPPER FILLER
- 10- FILLER (USE ON TELESCOPIC FIXTURE)
MP-8315 LOWER FILLER
- 11- SPACER BRACKETS
SA-1278-11 SPACER BRACKETS (SHIP SEPARATELY)
- 12- PARABOLIC LOUVE
SA-4880-04 48" PARABOLIC LOUVE SPECULAR (SHIP SEPARATELY)
SA-4880-04R 48" PARABOLIC LOUVE SEMI-SPECULAR (SHIP SEPARATELY)

MATERIAL	BY CD	TITLE INSTALLATION INSTRUCTION -CS2-	
FINISH	CHK'D	PERIMETER	
DATE	SCALE	MTS	DWG NO.
05/03/08	1/16"		
SHT 4	OF 4		IS-CS2-01
			METALUMENI