READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE

This System is intended for installation in accordance with the National Electric Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electric shock, turn off electricity at breaker panel before proceeding.

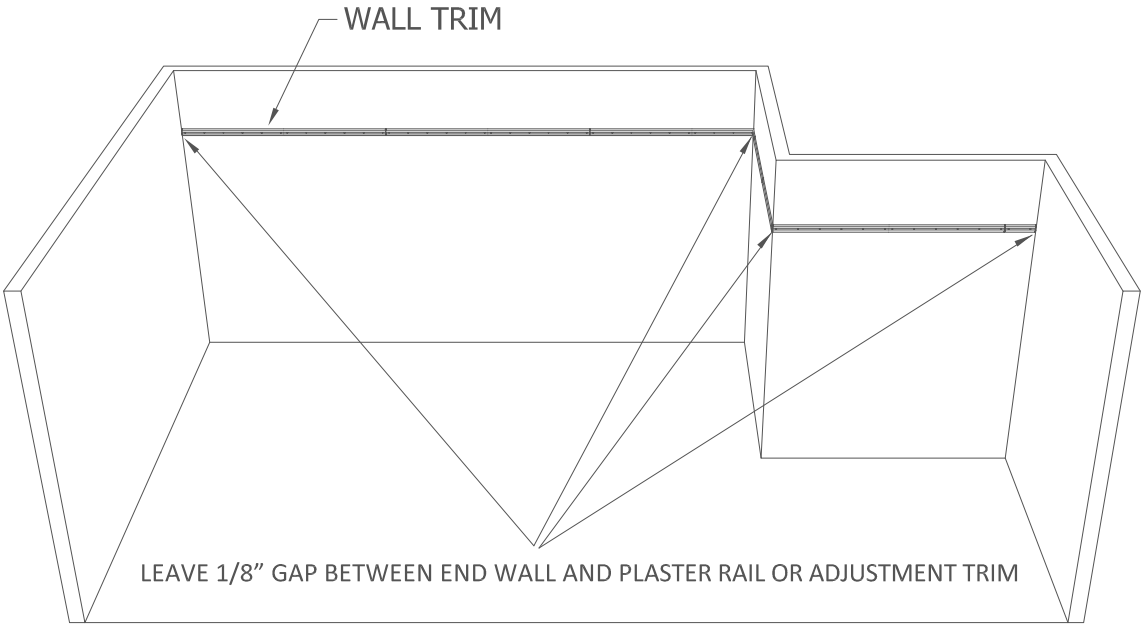
Retain these instructions for maintenance reference.

NOTE: THESE FIXTURES ARE INTENDED TO BE INSTALLED PRIOR TO THE CEILING

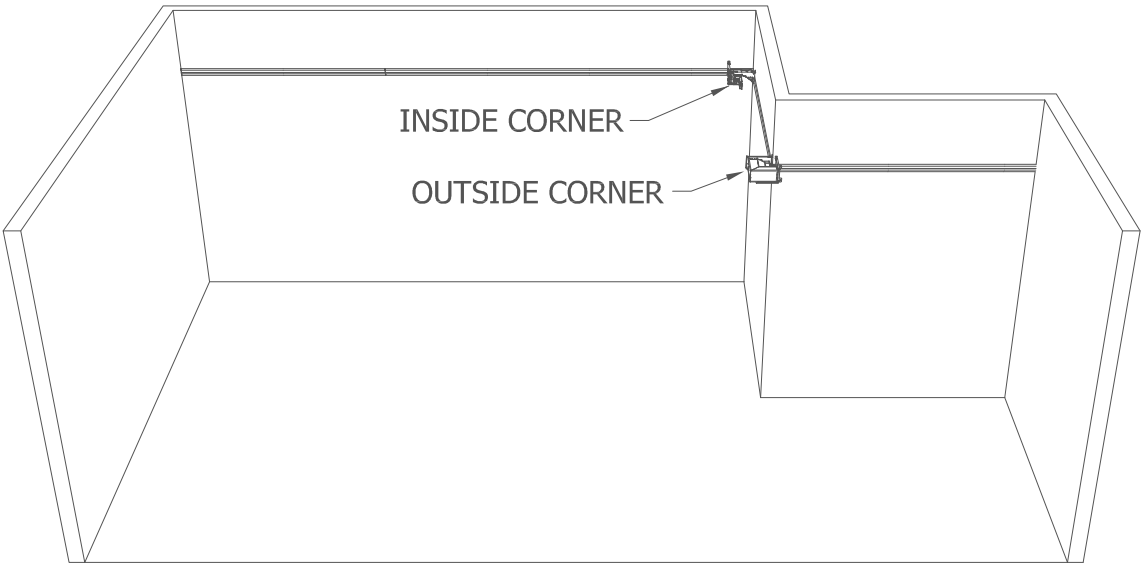
THE PERIMETER SERIES BY GAMMALUX LIGHTING SYSTEMS IS THE MOST COMPLETE AND COMPREHENSIVE PERIMETER LIGHTING SYSTEM ON THE MARKET.
THIS SYSTEM WAS DESIGNED TO PROVIDE THE ARCHITECT AND INTERIOR DESIGNER WITH A SUPERIOR AESTHETIC AND THE ENGINEER WITH A SUPERIOR LIGHTING DISTRIBUTION PACKAGE.
WHILE EACH OF THESE FEATURES CREATES A LEVEL OF COMPLEXITY IN THE PRODUCT, GREAT CARE HAS BEEN TAKEN TO MAKE INSTALLATION AS SIMPLE AS POSSIBLE, GIVEN THE NATURE OF THE PRODUCT. IT IS IMPERATIVE THAT THE INSTALLER FULLY UNDERSTAND THESE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING WORK.

TABLE OF CONTENTS:

GENERAL INSTALLATION INSTRUCTIONS



1. INSTALL PLASTER RAIL OR ADJUSTMENT TRIM ALL ALONG PERIMETER OF ROOM WHERE FIXTURES WILL BE INSTALLED LEAVING 1/8" GAP AT EACH FAR END OF THE RUN. FIELD CUT WHERE NECESSARY. PLASTER RAIL MUST BE STRAIGHT (SEE PAGES 4,5)
SEE PAGE 4,5 AND 6 FOR PROPER DISTANCE ABOVE CEILING LINE. IF PLASTER RAIL IS USED, LEAVE REFLECTOR GROOVE BARRIER INTACT AS LONG AS POSSIBLE BEFORE INSTALLING FIXTURES.



2. IF REQUIRED, CORNERS ARE INSTALLED NEXT. REMOVE REFLECTOR GROOVE BARRIER AND CLEAR REFLECTOR GROOVE OF ANY DEBRIS. REST CORNER MODULE REFLECTOR INTO WALL TRIM REFLECTOR GROOVE AND HANG CORNER MODULE FROM STRUCTURE ABOVE WITH WIRES OR ROD (see page 7) AND SECURE INTO PLACE WITH SUPPLIED ANCHOR BRACKETS.

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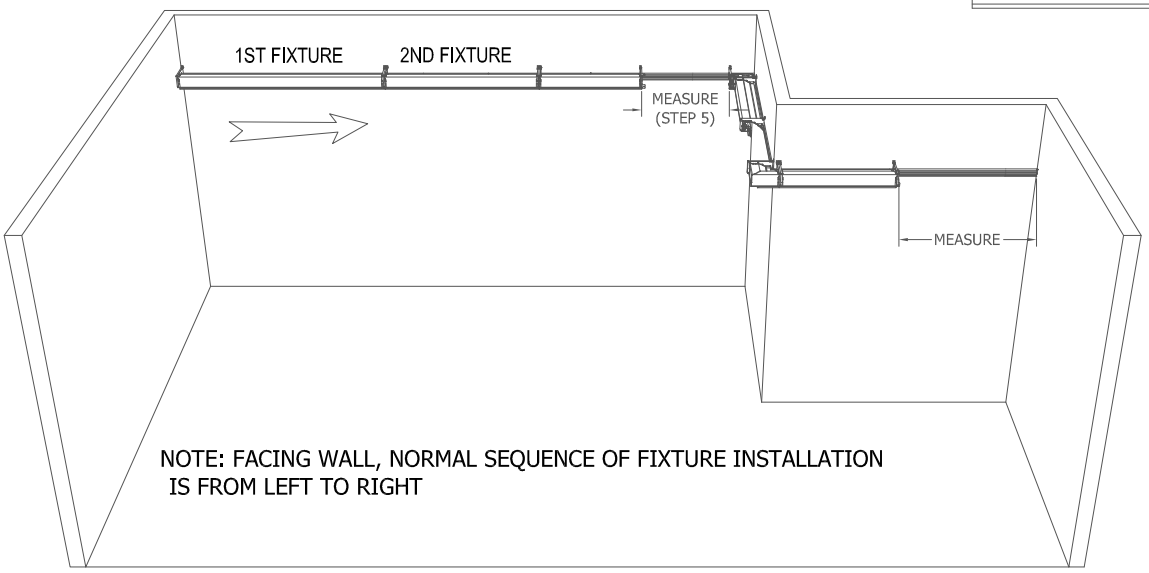
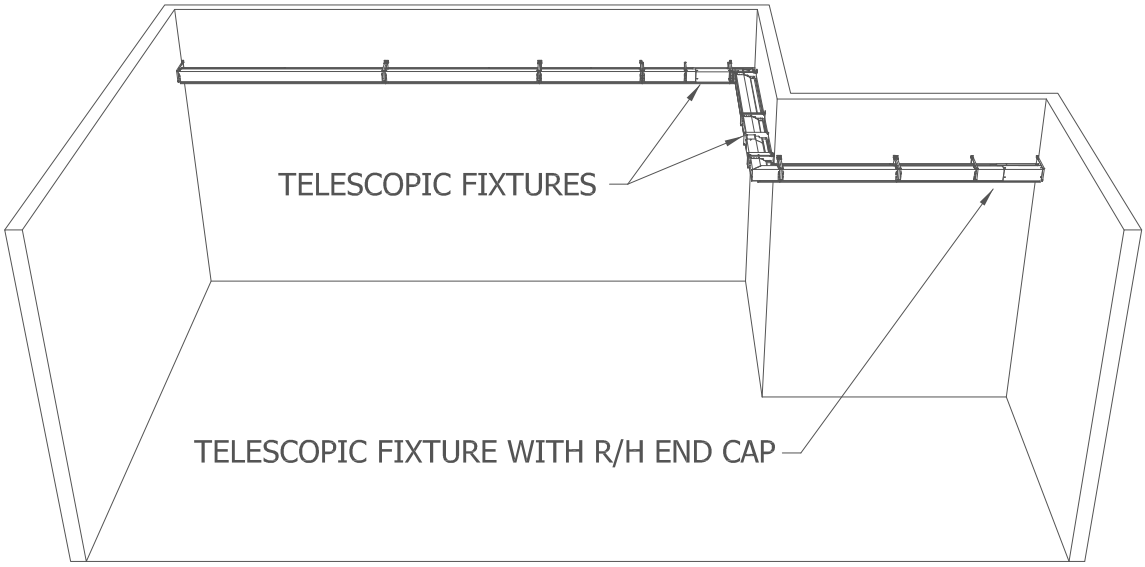
GENERAL INSTALLATION INSTRUCTIONS



3. ATTACH LEFT END CAP TO FIRST FIXTURE WITH SUPPLIED HARDWARE, THEN REMOVE REFLECTOR GROOVE BARRIER FROM WALL TRIM AND CLEAR REFLECTOR GROOVE OF ANY DEBRIS. REST THE FIRST FIXTURE'S REFLECTOR INTO WALL TRIM REFLECTOR GROOVE AND HANG THE FIRST FIXTURE, LEVEL AND SECURE TO STRUCTURE ABOVE USING SUSPENSION WIRE OR ROD (see page 7). SECURE TO WALL USING ANCHOR BRACKET SUPPLIED. FIXTURE BULKHEADS ARE INTENTIONALLY SET IN FROM THE ENDS OF THE HOUSING, ENSURING THAT THE HOUSINGS BUTT TOGETHER CLEANLY.CONTINUE INSTALLATION OF FIXTURES AS MARKED ON FACTORY LAYOUT DRAWINGS. DO NOT INTERCHANGE FIXTURES.

4. PLACE SECOND FIXTURE A FEW INCHES AWAY, MAKE ELECTRICAL CONNECTIONS AND SLIDE SECOND FIXTURE AGAINST FIRST. SCREW TOGETHER USING SCREWS AND NUTS (PROVIDED). MAKE SURE WIRES DO NOT GET PINCHED.
SLIDE ALIGNMENT SPLINES BETWEEN ADJACENT FIXTURES AND SECURE WITH SCREWS.



5. IF TELESCOPIC FIXTURE IS SPECIFIED, TAKE ACCURATE MEASUREMENTS OF FIXTURE GAPS TO DETERMINE PROPER TELESCOPIC ADJUSTMENTS.
FOR TELESCOPIC ADJUSTMENTS PROCEDURE, SEE PAGES 10,11.

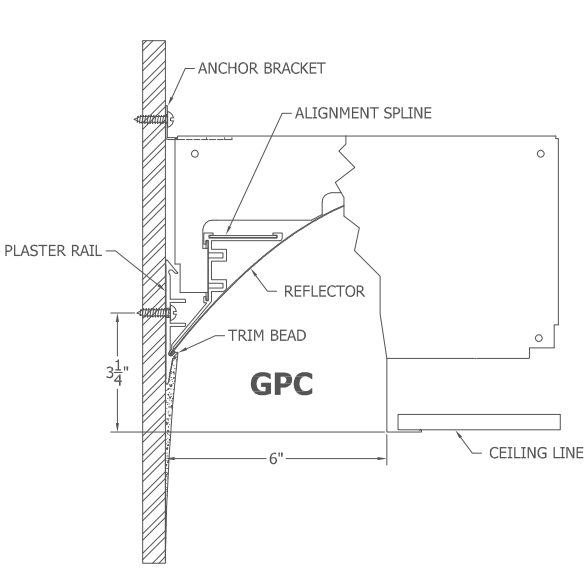
6. IF MAIN REFLECTOR ALIGNMENT IS NECESSARY, LOOSEN SMALL SET SCREWS ON REFLECTOR ALIGNMENT TRIM DIRECTLY ABOVE LAMPS, RE-ALIGN MAIN REFLECTOR, THEN TIGHTEN SET SCREWS.

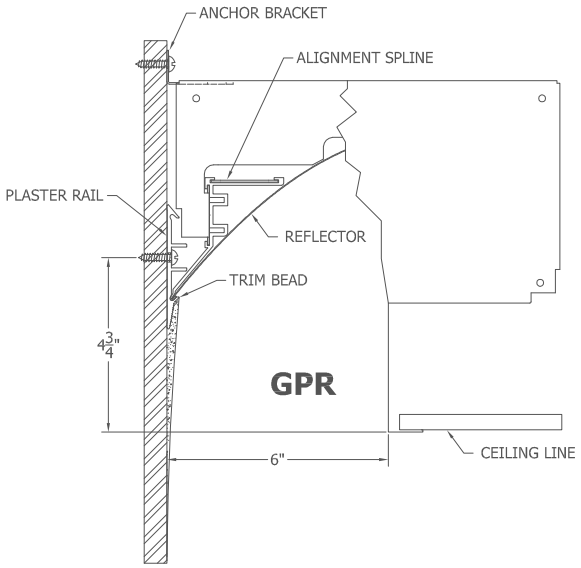
WALL INTERFACE OPTIONS

WALL TRIM IS PLASTERED IN

THE PERIMETER SERIES BY GAMMALUX LIGHTING SYSTEMS OFFERS DIRECT INTEGRATION INTO THE WALL. IF THE CONSTRUCTION DOCUMENTS SHOW THE WALL TRIM IS TO BE PLASTERED INTO THE WALL, FOLLOW THESE INSTRUCTIONS.

THERE ARE TWO POSSIBLE LOCATIONS AT WHICH THE CENTER OF THE WALL TRIM IS TO BE SECURED TO THE WALL ABOVE THE CEILING LINE. THIS LOCATION IS DETERMINED BY THE HEIGHT OF THE REFLECTOR ASSEMBLY ABOVE THE CEILING LINE. THE TWO OPTIONS ARE CEILING LINE OPTIC (GPC IN THE CATALOG #) OR REGRESSED OPTIC (GPR IN THE CATALOG #).





INSTALL PLASTER RAIL AT GIVEN DISTANCE ABOVE CEILING LINE, USING APPROPRIATE HARDWARE (BY OTHERS). MAKE SURE SERRATIONS ARE IN THE LOWER POSITION. FOR THE MOST SECURE INSTALLATION, AFFIX PLASTER RAIL TO **STUDS**.
PLASTER RAIL MUST BE PERFECTLY STRAIGHT ON THE WALL. THEREFORE, DO NOT OVER-TIGHTEN HARDWARE AND USE **SHIMS** WHEN REQUIRED.

FADE IN PLASTER FROM TRIM BEAD TO WALL. GAMMALUX RECOMMENDS A MINIMUM OF 24" PLASTER BLEND DOWN THE WALL. ANY INCONSISTENCIES IN THE FLATNESS OF THE WALL WILL BE ACCENTUATED BY LIGHT COMING STRAIGHT DOWN THE WALL. THEREFORE, GAMMALUX STRONGLY RECOMMENDS A LEVEL 5 FINISH ON FLAT WALLS.

NOTE: WALL TRIM INCLUDES A BARRIER PRE-INSERTED IN THE REFLECTOR GROOVE, THIS BARRIER IS TO REMAIN INSTALLED DURING PLASTER AND PAINT PROCEDURES. AFTER PAINT IS DRY, SCORE ALONG THE EDGE AND CAREFULLY REMOVE THE BARRIER. IT IS EXTREMELY IMPORTANT TO KEEP THE BOTTOM GROOVE IN THE WALL TRIM FREE FROM ANY DEBRIS. SEE EXAMPLES ON PAGE 13.

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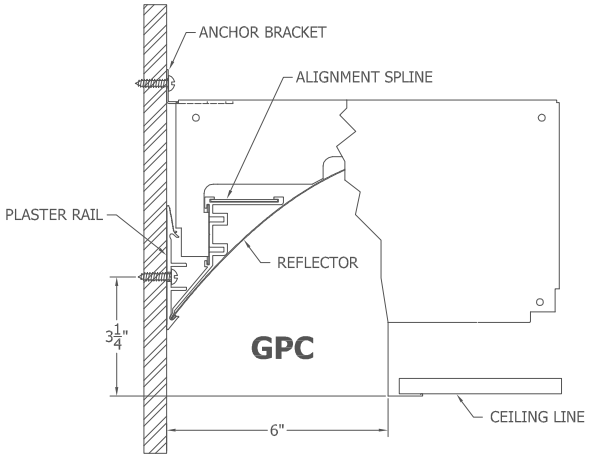
WALL INTERFACE OPTIONS

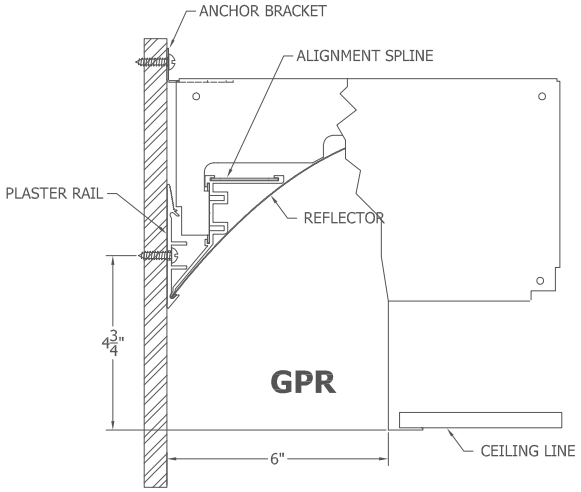
WALL TRIM IS **NOT** PLASTERED IN

IF THE CONSTRUCTION DOCUMENTS DO NOT SHOW THE WALL TRIM IS TO BE PLASTERED INTO THE WALL, FOLLOW THESE INSTRUCTIONS.

THERE ARE TWO POSSIBLE LOCATIONS AT WHICH THE CENTER OF THE WALL TRIM IS TO BE SECURED TO THE WALL ABOVE THE CEILING LINE. THIS LOCATION IS DETERMINED BY THE HEIGHT OF THE REFLECTOR ASSEMBLY ABOVE THE CEILING LINE. THE TWO OPTIONS ARE CEILING LINE OPTIC (GPC IN THE CATALOG #) OR REGRESSED OPTIC (GPR IN THE CATALOG #).

ANY INCONSISTENCIES IN THE FLATNESS OF THE WALL WILL BE ACCENTUATED BY LIGHT COMING STRAIGHT DOWN THE WALL. THEREFORE, GAMMALUX STRONGLY RECOMMENDS A LEVEL 5 FINISH ON FLAT WALLS.





INSTALL PLASTER RAIL AT GIVEN DISTANCE ABOVE CEILING LINE, USING APPROPRIATE HARDWARE (BY OTHERS). MAKE SURE SERRATIONS ARE IN THE UPPER POSITION. FOR THE MOST SECURE INSTALLATION, AFFIX PLASTER RAIL TO **STUDS**.
PLASTER RAIL MUST BE PERFECTLY STRAIGHT ON THE WALL. THEREFORE, DO NOT OVER-TIGHTEN HARDWARE AND USE **SHIMS** WHEN REQUIRED.

IF DESIRED YOU MIGHT APPLY A BEAD OF CAULK, GROUT OR OTHER APPROPRIATE COMPOUND TO FILL IN GAPS BETWEEN WALL AND BOTTOM OF WALL TRIM.

NOTE: WALL TRIM INCLUDES A BARRIER PRE-INSERTED IN THE REFLECTOR GROOVE, THIS BARRIER IS TO REMAIN INTACT DURING INSTALLATION. IT IS EXTREMELY IMPORTANT TO KEEP THE BOTTOM REFLECTOR GROOVE IN THE WALL TRIM FREE FROM ANY DEBRIS. SEE EXAMPLES ON PAGES 14 AND 15.

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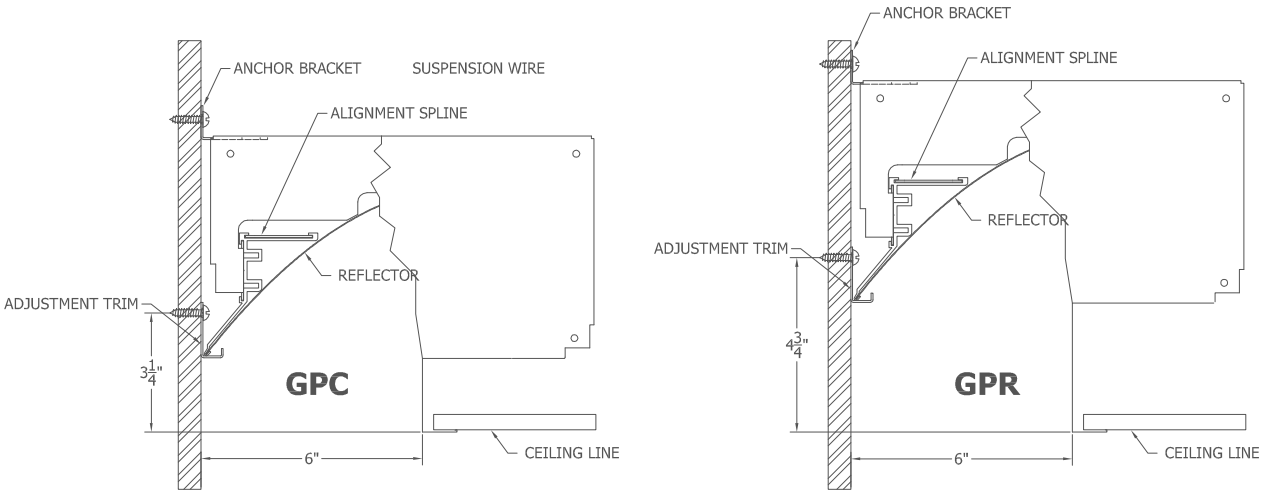
WALL INTERFACE OPTIONS

ADJUSTMENT TRIM

AS AN ALTERNATIVE TO THE MORE AESTHETICALLY APPEALING EXTRUDED ALUMINUM PLASTER RAIL, GAMMALUX ALSO OFFERS AN ADJUSTMENT TRIM WHICH ALLOWS FOR MORE VARIANCE IN WALL STRAIGHTNESS.

THERE ARE TWO POSSIBLE LOCATIONS AT WHICH THE HOLE PATTERN OF THE ADJUSTMENT TRIM IS TO BE SECURED TO THE WALL ABOVE THE CEILING LINE. THIS LOCATION IS DETERMINED BY THE HEIGHT OF THE REFLECTOR ASSEMBLY ABOVE THE CEILING LINE. JUST AS WITH THE PLASTER RAIL ON PAGES 4 AND 5, THE TWO OPTIONS ARE CEILING LINE OPTIC (GPC IN THE CATALOG #) OR REGRESSED OPTIC (GPR IN THE CATALOG #).

ANY INCONSISTENCIES IN THE FLATNESS OF THE WALL WILL BE ACCENTUATED BY LIGHT COMING STRAIGHT DOWN THE WALL. THEREFORE, GAMMALUX STRONGLY RECOMMENDS A LEVEL 5 FINISH ON FLAT WALLS.



INSTALL ADJUSTMENT TRIM AT GIVEN DISTANCE ABOVE CEILING LINE, USING APPROPRIATE HARDWARE BY OTHERS.
FOR THE MOST SECURE INSTALLATION, AFFIX ADJUSTMENT TRIM TO **STUDS**.
ADJUSTMENT TRIM MUST BE PERFECTLY STRAIGHT ON THE WALL. THEREFORE, DO NOT OVER-TIGHTEN HARDWARE AND USE **SHIMS** WHEN REQUIRED.

IF DESIRED YOU MIGHT APPLY A BEAD OF CAULK, GROUT OR OTHER APPROPRIATE COMPOUND TO FILL IN GAPS BETWEEN WALL AND BOTTOM OF ADJUSTMENT TRIM.

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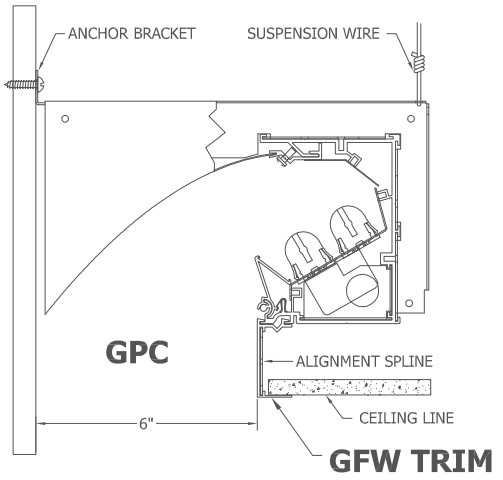
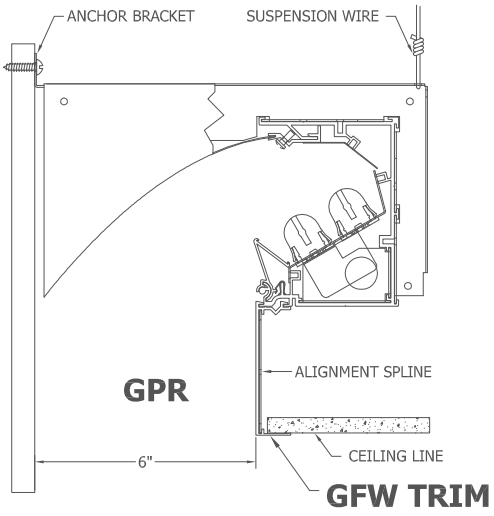
CEILING INTERFACE OPTIONS

GFW TRIM - FLANGE

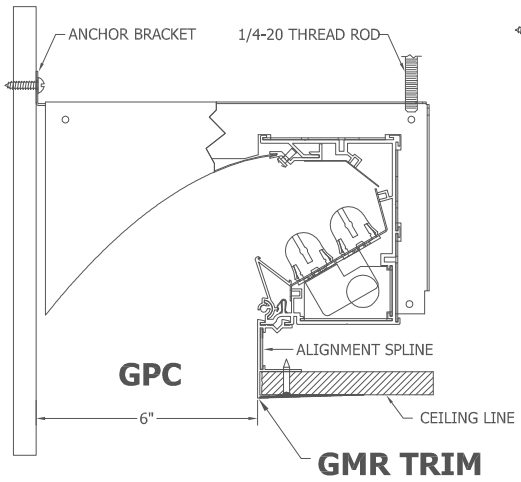
THIS CEILING TRIM IS USED WHEN A VISIBLE FLANGE IS DESIRED BENEATH DRYWALL, GRID, WOOD OR OTHER NON-PLASTER CEILING APPLICATIONS. BUILDING WIRE OR THREADED ROD ARE ACCEPTABLE FOR SUPPORT TO STRUCTURE ABOVE.
AFTER FIXTURE IS INSTALLED AND SUPPORTED BY BUILDING WIRE OR THREADED ROD, CEILING MATERIAL IS RESTED ON FIXTURE'S FLANGE. CEILING IS TO BE PROPERLY SUPPORTED TO STRUCTURE AND NOT CARRIED EXCLUSIVELY BY FLANGE.

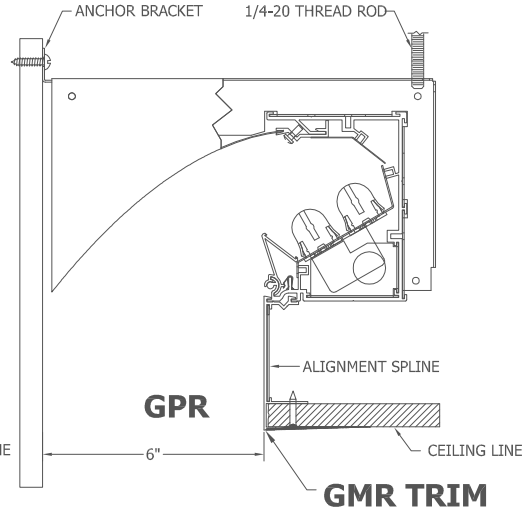


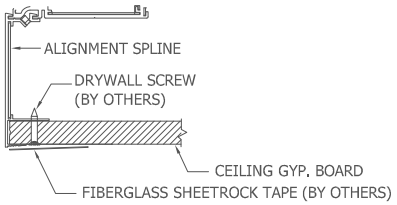


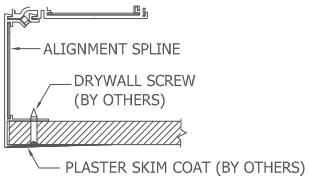
GMR TRIM - FLANGELESS PLASTER-IN

THIS CEILING TRIM IS USED WHEN THE BOTTOM OF THE FIXTURE IS TO BE BLENDED INTO PLASTER CEILING APPLICATIONS. ONLY THREADED ROD IS RECOMMENDED FOR SUPPORT TO STRUCTURE ABOVE. AFTER FIXTURE IS INSTALLED AND SUPPORTED BY THREADED ROD, SCREW DRYWALL MATERIAL BETWEEN UPPER AND LOWER FLANGES. APPLY FIBERGLASS SHEETROCK TAPE OVER SCALLOPED LOWER FLANGE THEN FADE IN PLASTER COAT.









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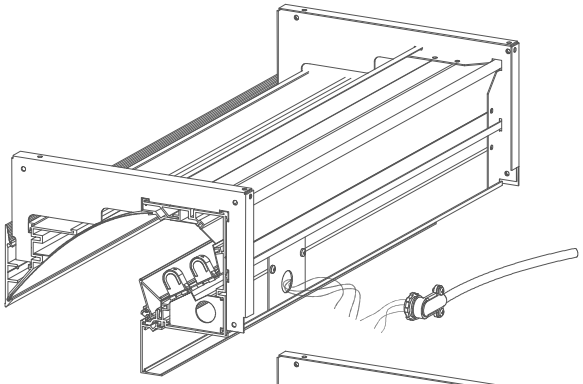
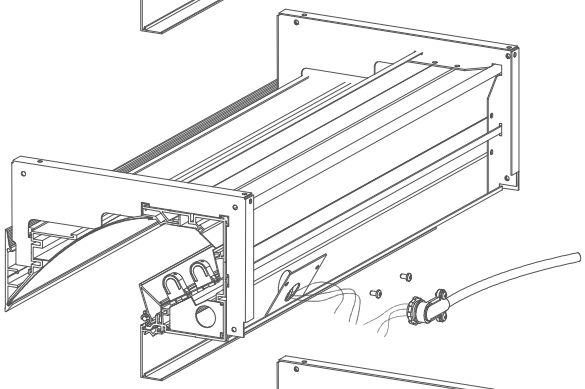
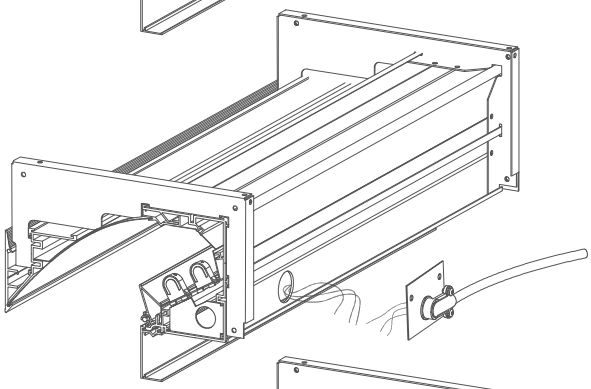
POWER FEED CONNECTION



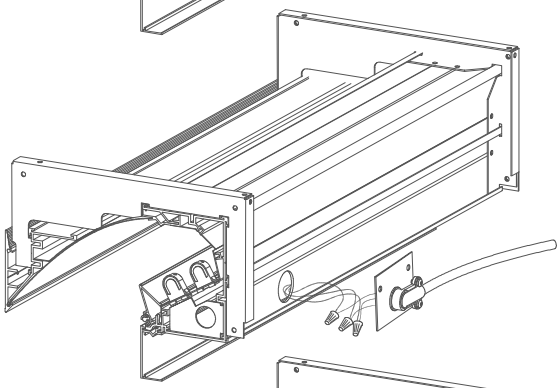
6. TO POWER ROW OF FIXTURES
LOCATE FIXTURE WITH ACCESS PLATE
AND BRING POWER FITTING A FEW INCHES AWAY.



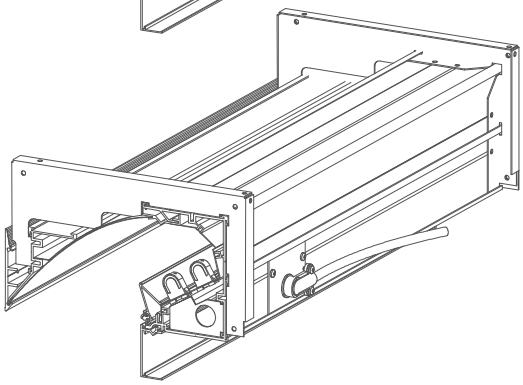
REMOVE SCREWS AND TILT PLATE AS SHOWN
THEN LIFT PLATE FROM BOTTOM GROOVE
AND PULL AWAY FROM FIXTURE.



ATTACHED FITTING (BY OTHERS) TO PLATE.



MAKE ELECTRICAL CONNECTIONS.



RE-INSTALL ACCESS PLATE TO FIXTURE
AND SECURE WITH PROVIDED SCREWS.

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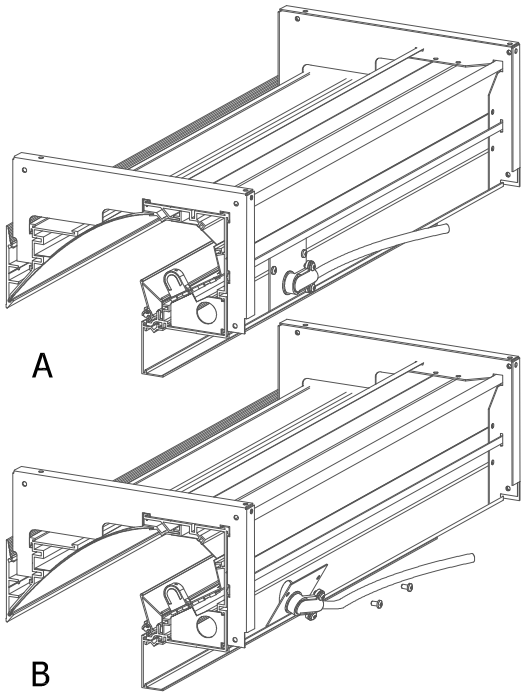
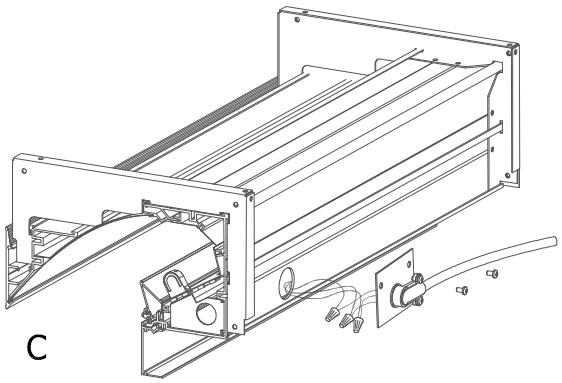
POWER SPLICE INSPECTION

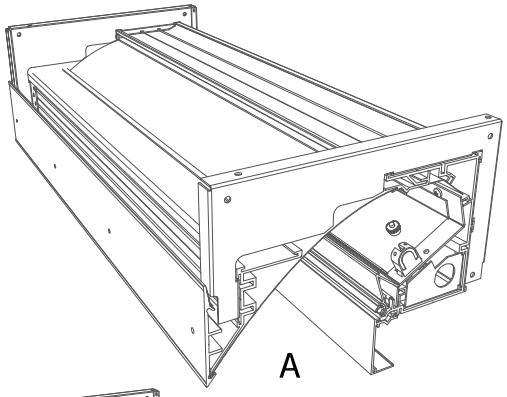
FOR INSTALLATIONS WITH PLENUM ACCESS

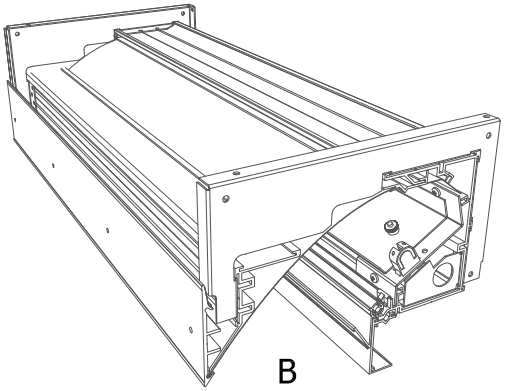


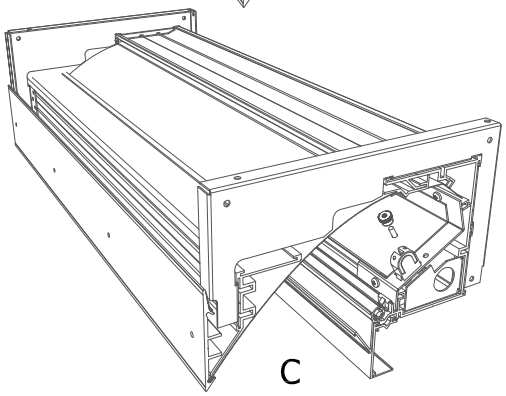
A. REMOVE TILE NEXT TO FEED.
B. REMOVE ACCESS PLATE SCREWS AND TILT BACK AND LIFT FROM BOTTOM GROOVE.
C. INSPECT SPLICE AND REVERSE STEPS WHEN DONE.

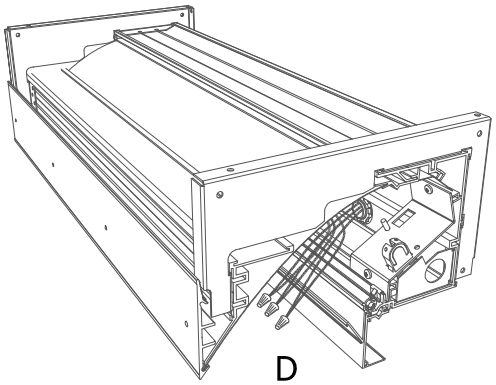


FOR INSTALLATIONS WITHOUT PLENUM ACCESS









A.ROTATE LAMP SHIELD DOWN （IF INSTALLED） B. REMOVE LAMPS
C.UNSCREW THUMB SCREWS AT BOTH ENDS OF BALLAST COVER
D.TAKE BALLAST COVER DOWN AND INSPECT SPLICE, REVERSE STEPS WHEN DONE.

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ROLL REFLECTOR INSTALLATION

WASH HAND OR USE GLOVES, KEEP REFLECTOR MATERIAL CLEAN

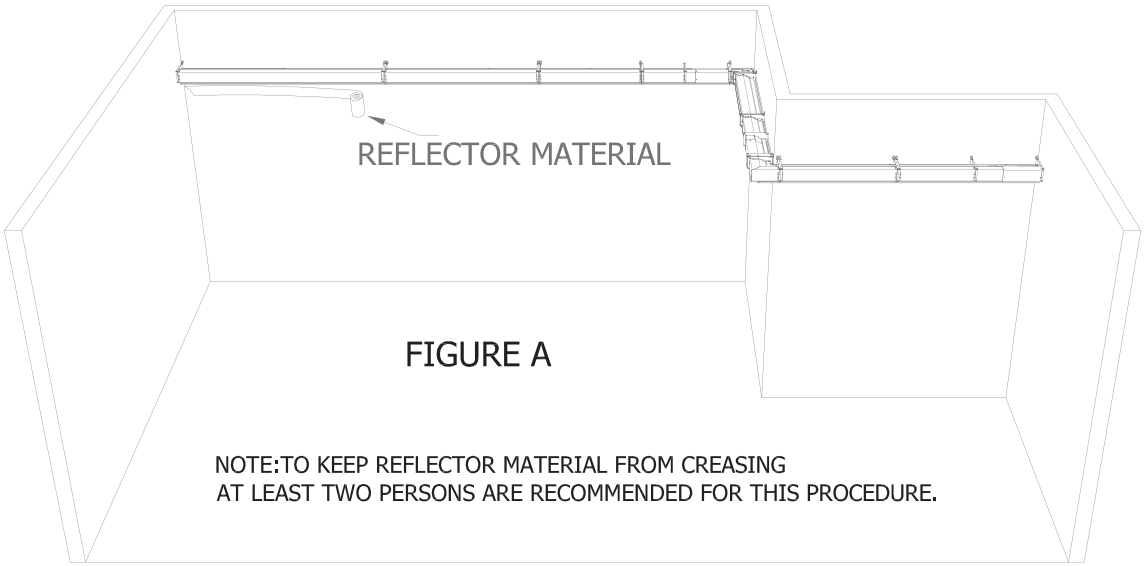

FIGURE A

NOTE:TO KEEP REFLECTOR MATERIAL FROM CREASING
AT LEAST TWO PERSONS ARE RECOMMENDED FOR THIS PROCEDURE.

CLICK OR SCAN TO ACCESS
INSTALLATION INSTRUCTIONS

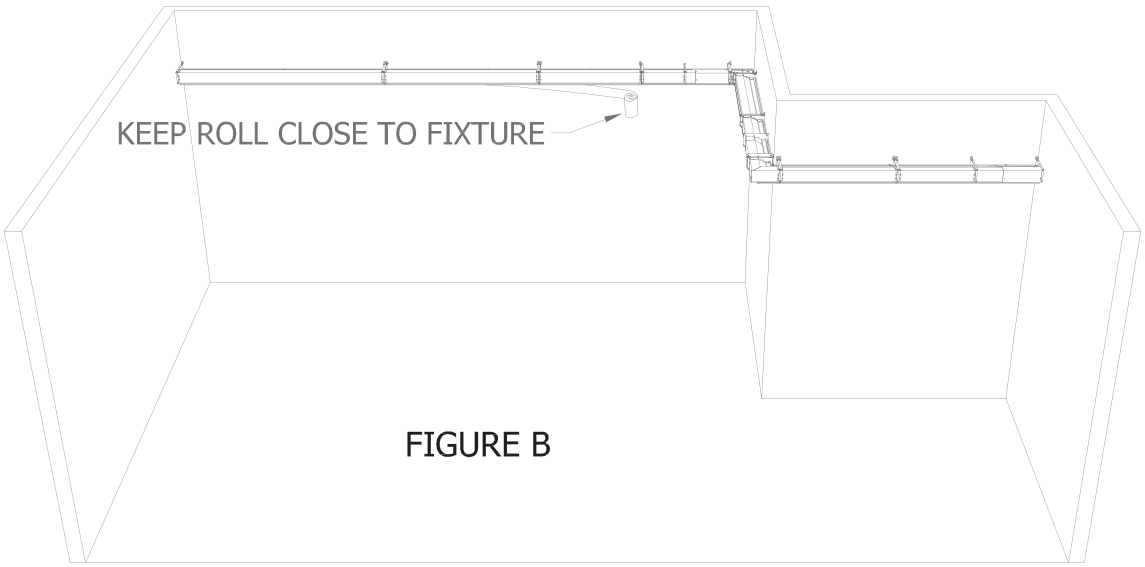

FIGURE B

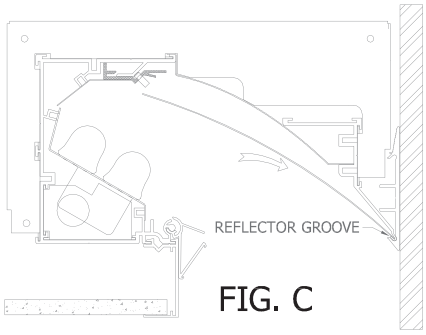

FIG. C

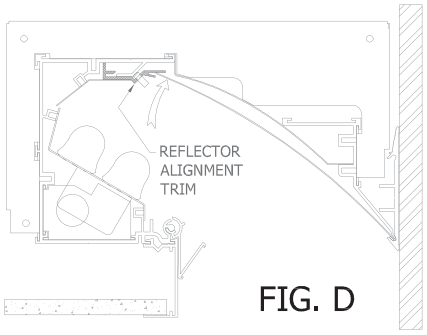

FIG. D

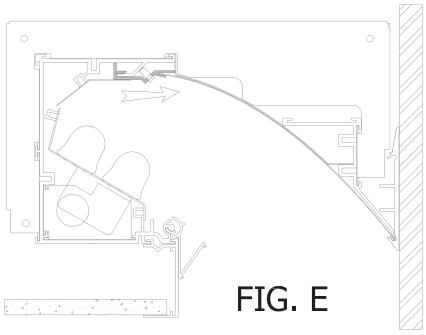

FIG. E

IDENTIFY THE PROPER PRE-CUT ROLLED REFLECTOR TO BE USED IN THE SPECIFIC RUN YOU ARE WORKING ON
LIFT ROLL AS CLOSE AS POSSIBLE TO FIXTURE OPENING. (SEE FIG. A AND B).
UNROLL 4 TO 6 FEET OF REFLECTOR MATERIAL (SEE FIG A).
INSERT 2 TO 3 FEET OF MATERIAL INTO THE REFLECTOR GROOVE(SEE FIG C).
LIFT THE BACK OF THE MATERIAL AND SNAP INTO THE REFLECTOR ALIGNMENT TRIM (FIG. D)
GRAB SCREWS ON THE REFLECTOR ALIGNMENT TRIM AND PULL IT TOWARDS THE WALL BEING CAREFUL NOT TO CREASE MATERIAL.
TIGHTEN SET SCREWS UNTIL MATERIAL IS LOCKED (SEE FIG E), BUT DO NOT TIGHTEN COMPLETELY.
MOVE OVER A FEW FEET AND REPEAT STEPS UNTIL THE WHOLE ROW IS DONE (SEE FIG B). TIGHTEN SET SCREWSCOMPLETELY
(NOTE) CORNERS COME FROM FACTORY WITH REFLECTOR MATERIAL PRE-INSTALLED.
IF TELESCOPIC FIXTURES ARE SPECIFIED THE REFLECTOR MATERIAL WILL COME IN THE ROLL TO THE MAXIMUM LENGTH.

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TELESCOPIC FIXTURE PREPARATION

NOTE:
ALL TELESCOPIC FIXTURES ARE SHIPPED AT THEIR MAXIMUM LENGTH.

1. TAKE ACCURATE DIMENSION WHERE TELESCOPIC FIXTURE IS TO BE INSTALLED.

2. IDENTIFY PROPER FIXTURE TO BE ADJUSTED.

3. IF FIXTURE IS EQUIPPED WITH LAMP BARRIER, ROTATE DOWN SEE FIG 2 & 2A.

4. REMOVE SCREWS ON SLIDING SLEEVE AND SAVE FOR LATER.

5. CAREFULLY SLIDE IN SLEEVE UNTIL FIXTURE IS AT THE PROPER LENGTH TO FILL GAP IN ROW. SEE FIG. 3

WARNING: DO NOT SLIDE IN MORE THAN REQUIRED, REFLECTOR MATERIAL MIGHT GET SCRATCHED.

6. RE-INSTALL SLEEVE SCREWS PREVIOUSLY REMOVED.

7. SLIDE-IN SOCKET BRACKET TRAY ASSEMBLY TO BE FLUSH WITH END OF FIXTURE. SEE FIG. 4

8. REMOVE LAMP BARRIER IF EQUIPPED. TO REMOVE THE BARRIER, ROTATE IT A FEW DEGREES UP FROM ITS LOWEST POSITION WHILE SIMULTANEOUSLY PULLING ITS WHOLE LENGTH TOWARDS THE WALL. MAKE A NOTE AS TO THE APPROXIMATE ANGLE OF DISENGAGEMENT TO MAKE IT EASIER TO RE-INSTALL. SEE FIG.5 & 5A .

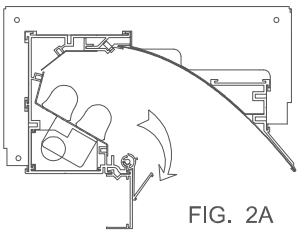

FIG. 2A

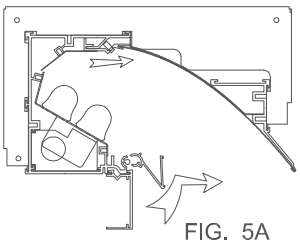

FIG. 5A

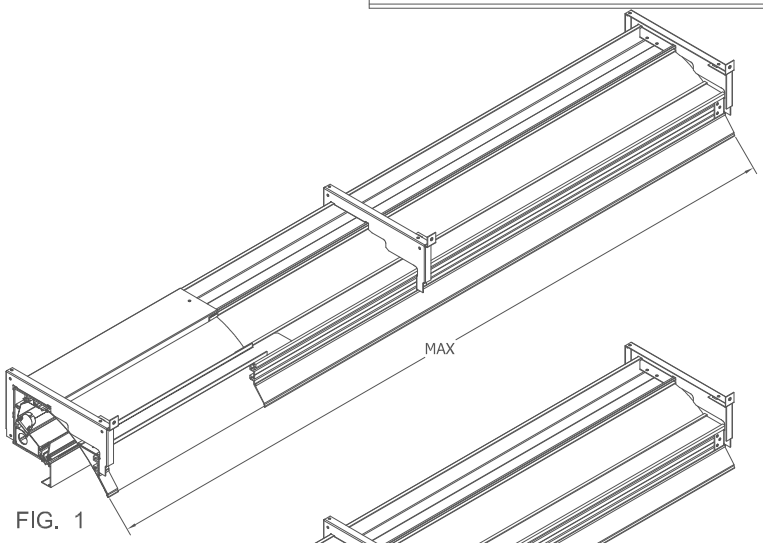

FIG. 1

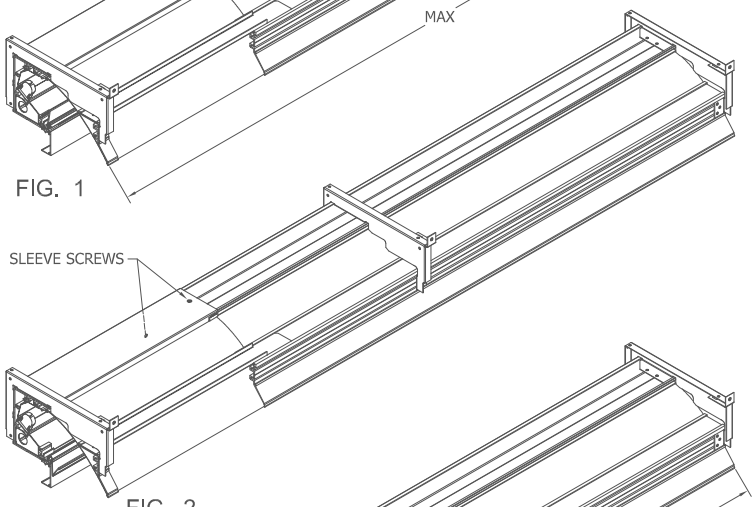

FIG. 2

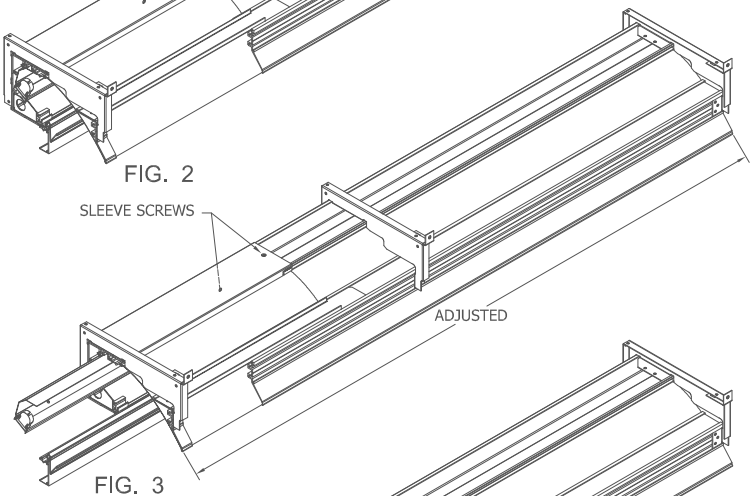

FIG. 3

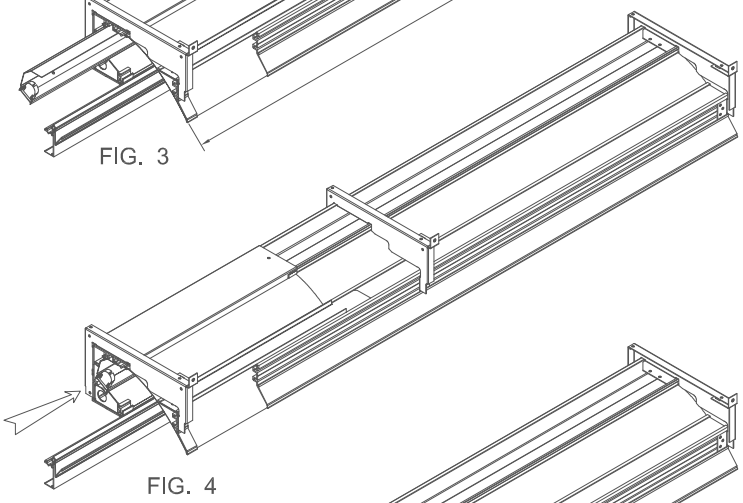

FIG. 4

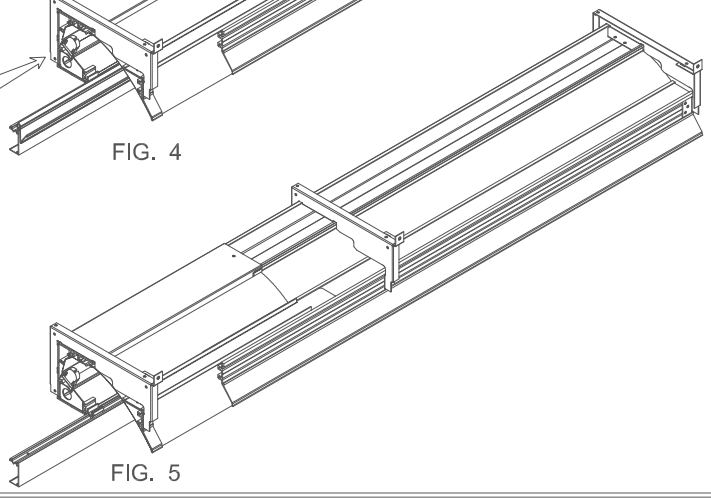

FIG. 5

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GAMMALUX® Lighting Systems
Perfection by Extrusion

TELESCOPIC FIXTURE PREPARATION

9. REMOVE CEILING TRIM BY UNSCREWING SET-SCREWS THEN SLIDE CEILING TRIM TOWARDS THE WALL. NOTE IT IS NOT NECESSARY TO COMPLETELY REMOVE THE SET-SCREWS FROM THE CEILING TRIM. SEE FIG. 6 , 6A & 6B.

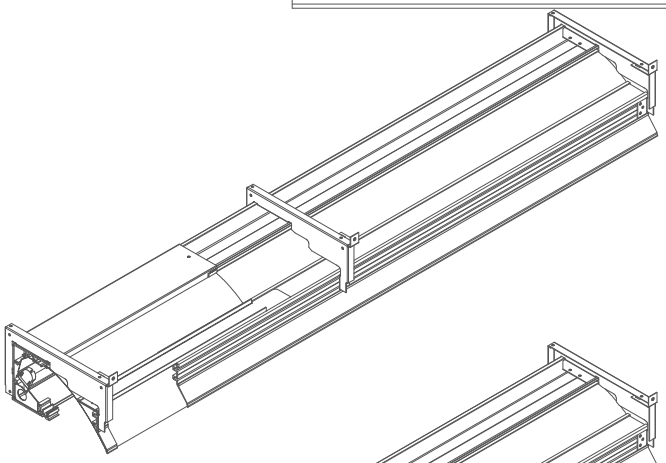


FIG. 6

10. CHECK YOUR DIMENSIONS AND CUT CEILING TRIM AND LAMP SHIELD ACCORDINGLY. CUTS MUST BE MADE SQUARE AND CARE MUST BE TAKEN NOT TO DAMAGE THE EXPOSED SURFACES. REMOVE BURRS AND SHARP EDGES.

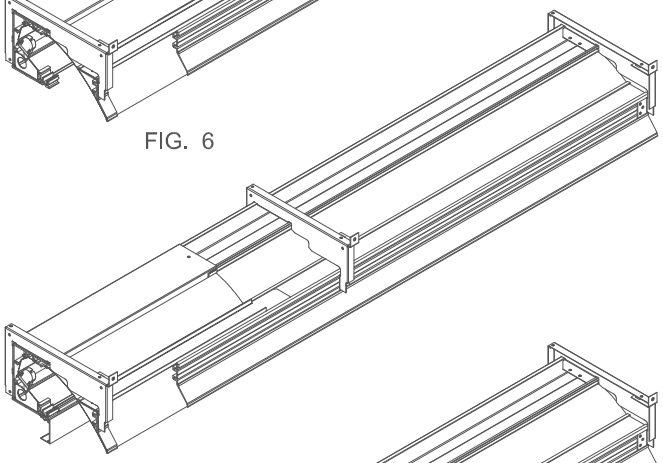


FIG. 7

11. RE-INSTALL CEILING TRIM AND SECURE WITH SET SCREWS. SEE FIG. 7

12. RE-INTALL LAMP BARRIER AND ROTATE INTO IT UPPER MOST POSITION UNTIL IT SNAPS INTO SPRINGS. SEE FIG.8 AND 9.

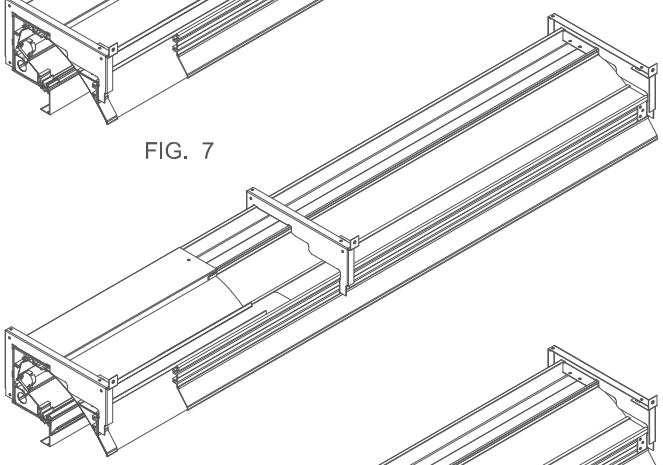


FIG. 8

13. INSTALL TELESCOPIC FIXTURE SAME WAY AS NON TELESCOPIC FIXTURES.

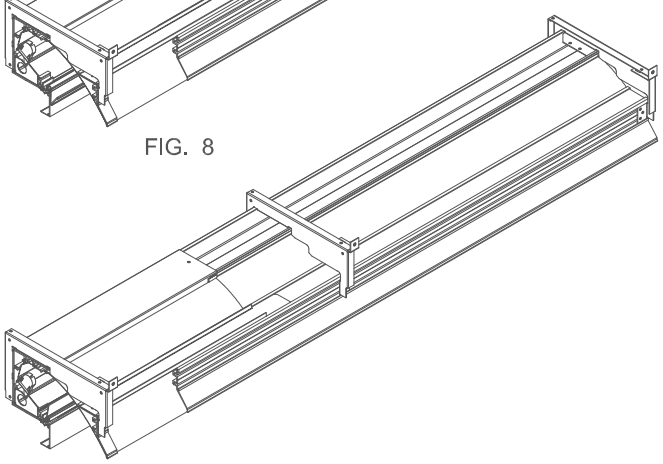


FIG. 9

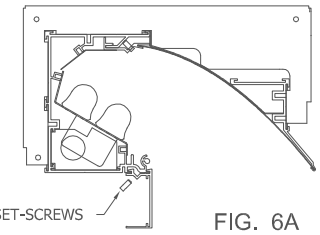


FIG. 6A

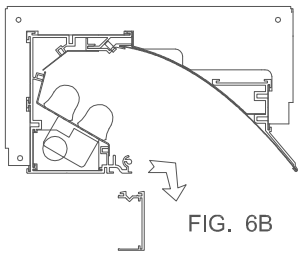
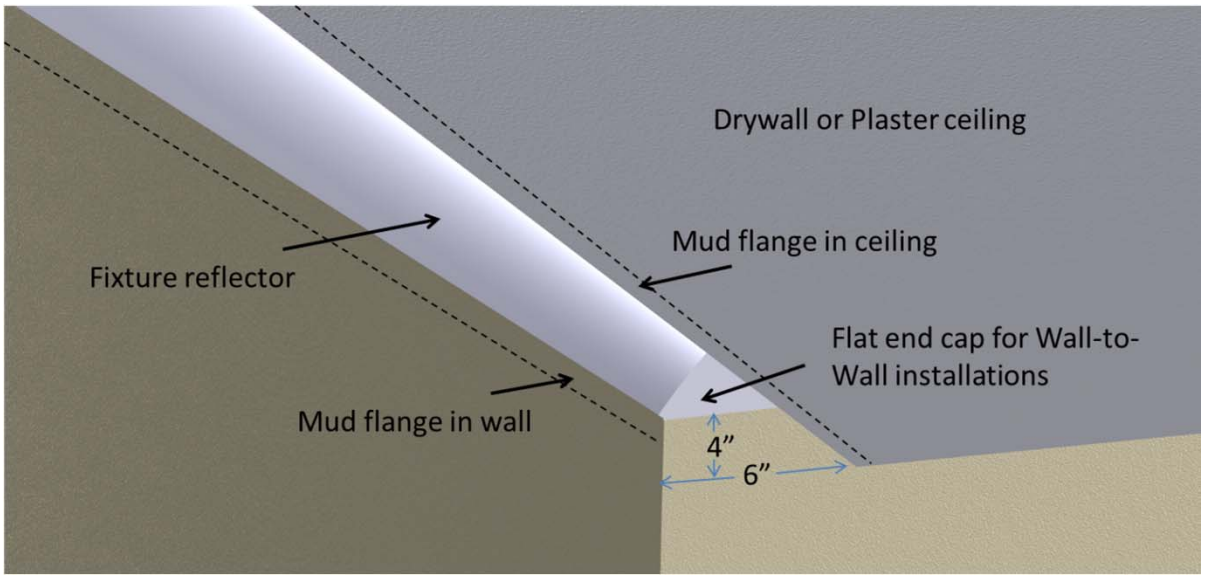
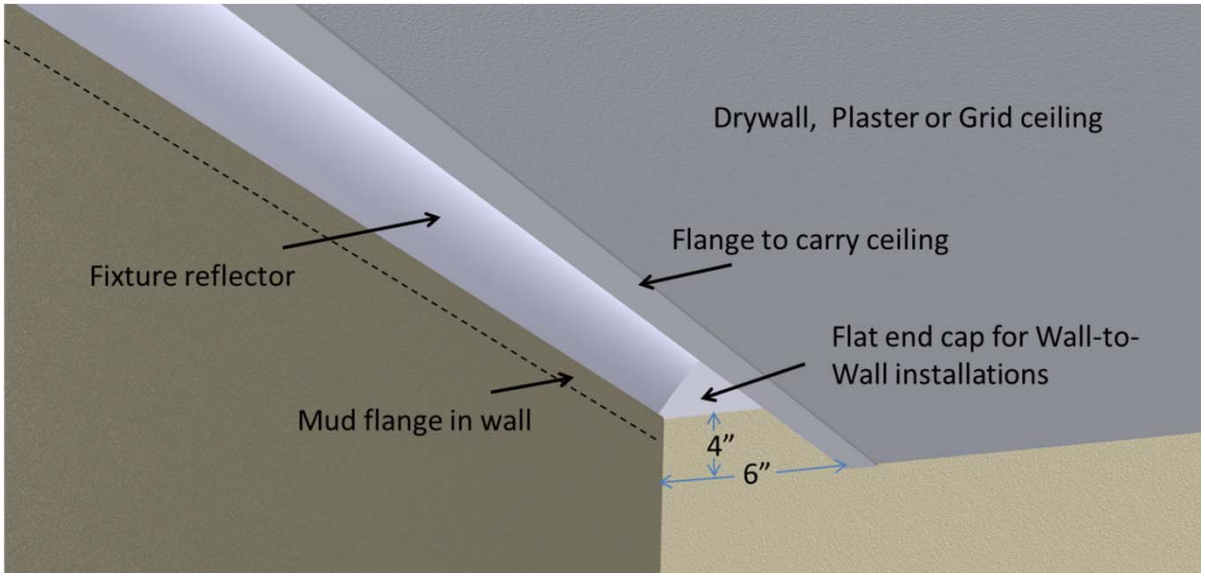


FIG. 6B

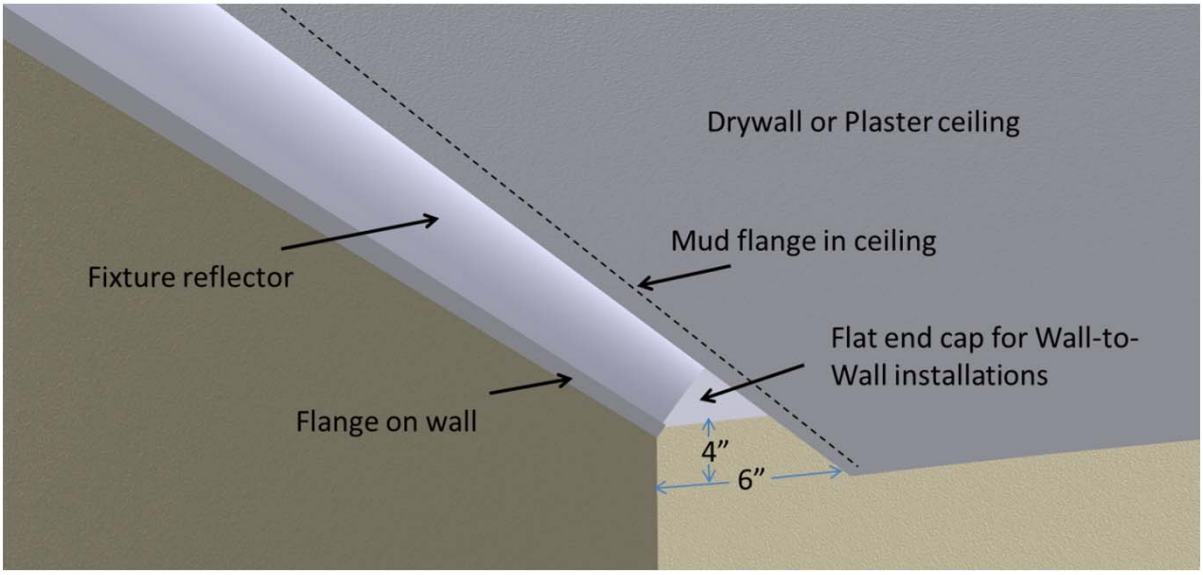
Detail A. PLASTER RAIL IS MUDDED INTO BACK WALL, FIXTURE'S MUD FLANGE IS MUDDED INTO DRYWALL OR PLASTER CEILING. FIXTURE IS SHOWN BUTTED AGAINST SIDE WALL.



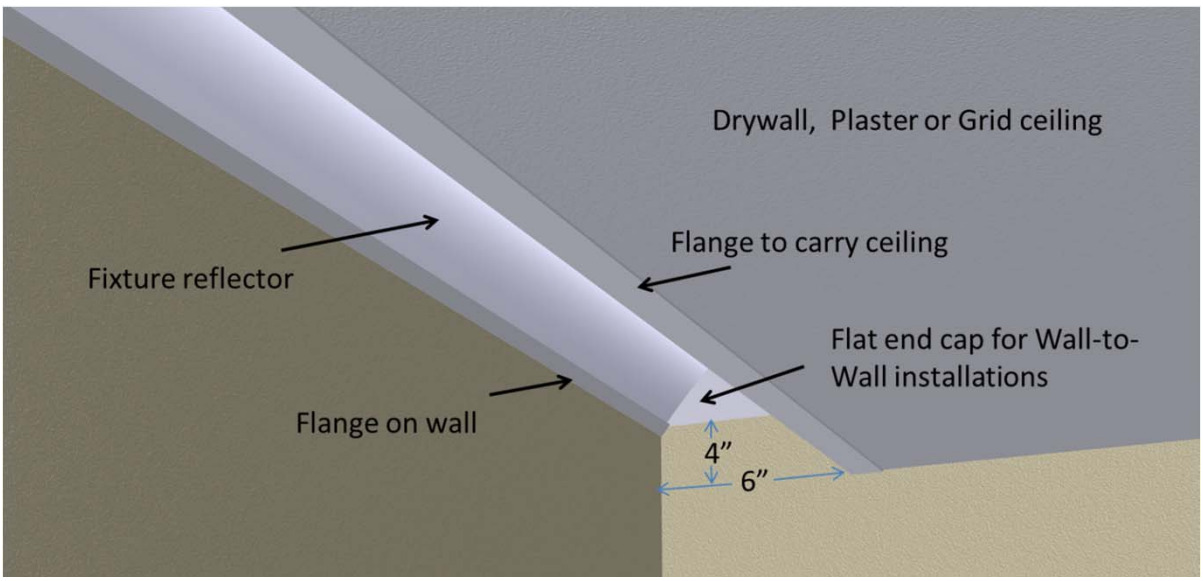
Detail B. PLASTER RAIL IS MUDDED INTO BACK WALL, CEILING MATERIAL IS RESTED ON FIXTURE'S VISIBLE FLANGE. FIXTURE IS SHOWN BUTTED AGAINST SIDE WALL.



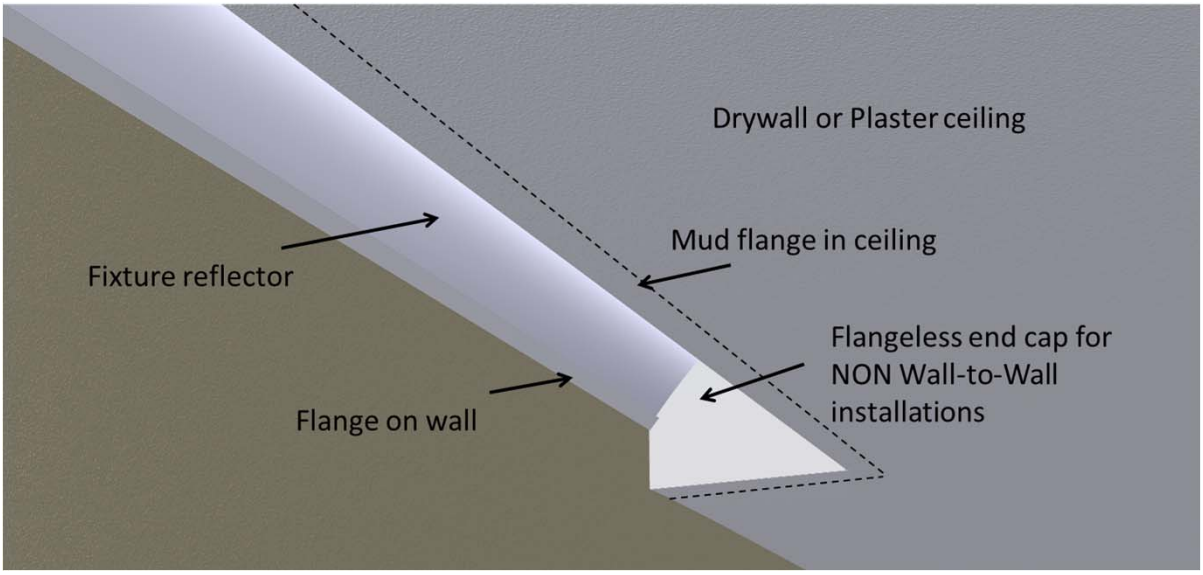
Detail C. PLASTER RAIL IS NOT MUDDED INTO BACK WALL, FIXTURE'S MUD FLANGE IS MUDDED INTO DRYWALL OR PLASTER CEILING. FIXTURE IS SHOWN BUTTED AGAINST SIDE WALL.



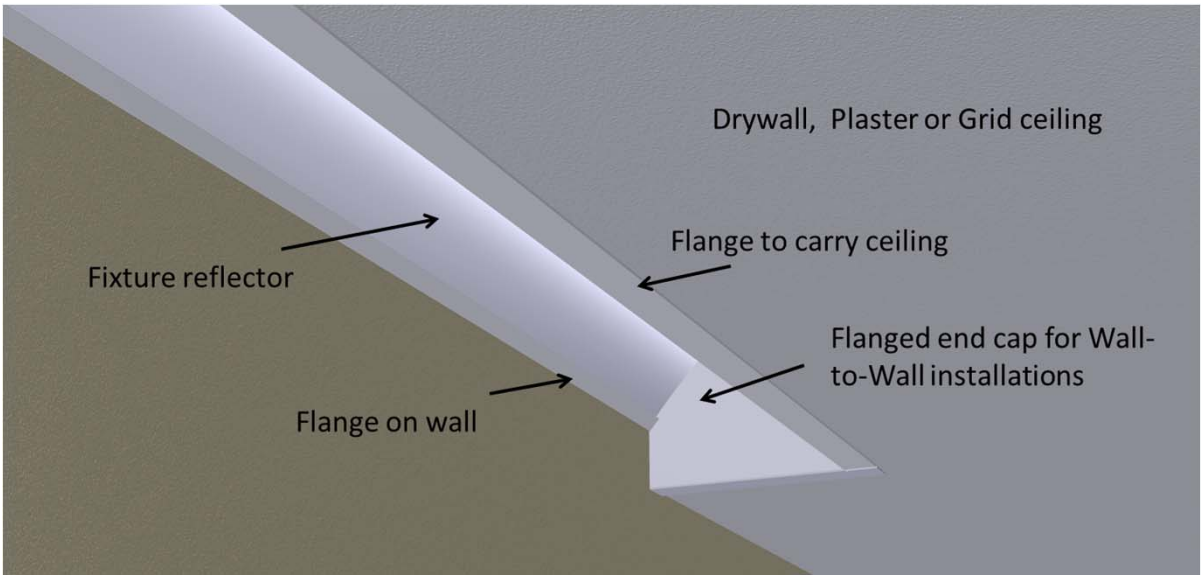
Detail D. PLASTER RAIL IS NOT MUDDED INTO BACK WALL, CEILING MATERIAL IS RESTED ON FIXTURE'S VISIBLE FLANGE. FIXTURE IS SHOWN BUTTED AGAINST SIDE WALL.



Detail E. PLASTER RAIL IS NOT MUDDED INTO BACK WALL, FIXTURE'S MUD FLANGE IS MUDDED INTO DRYWALL OR PLASTER CEILING. FIXTURE IS SHOWN INTRA-WALL AND END CAP INCLUDES MUD FLANGE.



Detail F. PLASTER RAIL IS NOT MUDDED INTO BACK WALL, CEILING MATERIAL IS RESTED ON FIXTURE'S VISIBLE FLANGE. FIXTURE IS SHOWN INTRA-WALL AND END CAP INCLUDES VISIBLE FLANGE.



Due to the complexity of feathering plaster down and to the side of the wall, Gammalux does not recommend mudding in the Plaster Rail when fixtures are NOT being installed wall-to-wall.