

COLD-FORMED STEELS

1. ALL SIZING BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (ICBO ER-4943P) PRODUCT TECHNICAL INFORMATION.

2. MATERIALS SHALL CONFORM TO THE FOLLOWING:

A. GALVANIZED MATERIAL 1. ALL GALVANIZED STUDS 12, 14 AND 16 GAUGE SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE

MINIMUM REQUIREMENTS OF ASTM A653 SS, GRADE 50, CLASS 1 OR 3 WITH A MINIMUM YIELD OF 50 000 PSI 2. ALL GALVANIZED 18 AND 20 GAUGE STUDS; ALL GALVANIZED TRACK, BRIDGING, END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A653 SS, GRADE 33 WITH A MINIMUM YIELD OF 33,000 PSI.

3. ALL GALVANIZED STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A525. B PROPERTIES

1. THE PHYSICAL AND STRUCTURAL PROPERTIES LISTED BY THE STEEL STUD MANUFACTURER ASSOCIATION AND AISI DESIGN MANUAL SHALL BE CONSIDERED THE MINIMUM PERMITTED. 1. ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING PRIOR TO DELIVERY, BY THE ARCHITECT AND/OR ENGINEER OF RECORD.

3. INSTALLATION OF STUDS SHALL BE AS PER ASTM C1007-00 "INSTALLATION OF LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS AND ACCESSORIES", ASTM C955-00a "SPECIFICATION FOR LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS, RUNNERS (TRACK), AND BRACING OR BRIDGING FOR SCREW APPLICATION OF GYPSUM BOARD AND METAL PLASTER BASES", AND ASTM C754-00 "SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW ATTACHED GYPSUM BOARD".

4. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.

5. ALL TRACK BUTT JOINTS, ABUTTING PIECES OF TRACK SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, OR THEY SHALL BE BUTT-WELDED OR SPLICED TOGETHER.

6. ALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO DIETRICH INDUST. RECOMMENDATION.

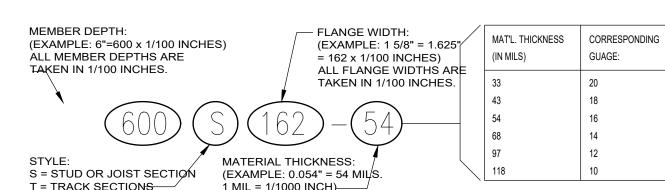
7. TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.

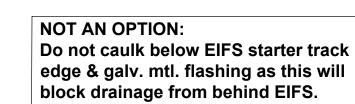
STRUCTURAL STEEL.

8. STUD ENDS MUST BE SQUARELY SEATED AGAINST THE TRACK WEB. BOTH STUD FLANGES MUST BE ATTACHED TO TRACK MEMBERS AT TOP AND BOTTOM.

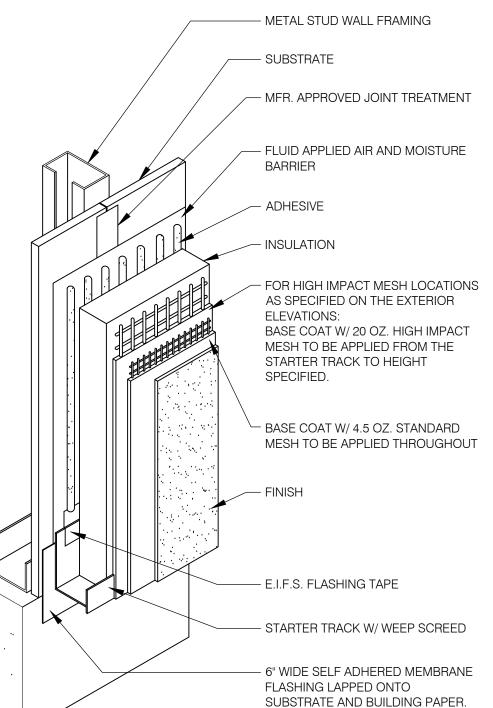
9. STUD BRIDGING SHALL BE PROVIDED BY 1-1/2" COLD ROLLED U-CHANNEL. THE U-CHANNEL MUST BE ATTACHED TO EACH STUD BY WELDING OR ATTACHING WITH CLIP ANGLES AND SCREWS. HORIZONTAL STRAPPING AND SOLID BRIDGING WITH TRACK MEMBERS CAN ALSO BE USED FOR BRIDGING. BRIDGING SHALL BE SPACED AT 4'0" O.C. MAX.

10. THE FOLLOWING MINIMUM COLD FORMED STEEL ATTACHMENTS SHALL BE PROVIDED U.N.O.: TRACK TO STRUCTURAL STEEL----(2) - .145"Ø POWER DRIVEN FASTENER @ 1'-4" O.C. TRACK TO METAL DECK-----(2) - #10 TEK SCREW @ 1'-4" O.C. TRACK TO MASONRY-----(2) - .145"Ø POWER DRIVEN FASTENER @ 1'-4" O.C. STUD TO STRUCTURAL STEEL-----(1) - L2x 2x - 14 GA. CLIP ANGLE CONNECTION W/ (2) - #10 TEK SCREWS INTO METAL STUD AND (2) - .145"Ø POWER DRIVEN FASTENERS INTO





E.I.F.S. DETAILS ARE INTENDED TO BE GENERIC. MANUFACTURER'S DETAILS AND RECOMMENDATIONS SHOULD BE FOLLOWED. REFER TO THE SPECIFICATIONS.



TYP. EIFS BASE TERMINATION

SCALE: N.T.S.



**DETAILS** 

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CASCO DIVERSIFIED CORPORATION

ARCHITECTURAL CERTIFICATE OF AUTHORITY

#000329 12/31/21

/BULLOCK

PROFESSIONAL OF RECORD

License NO. 2004011669

Expiration Date 12/31/20

Drawn By/Checked By: RMT/MSD

06-17-20

NUMBER

**A502**