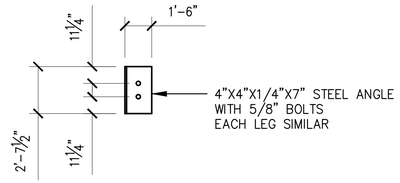
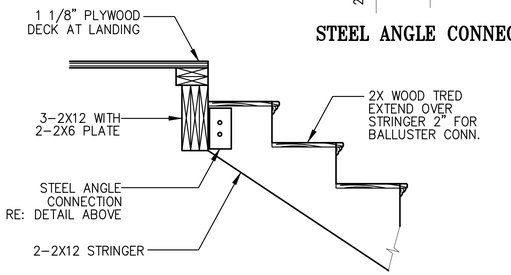
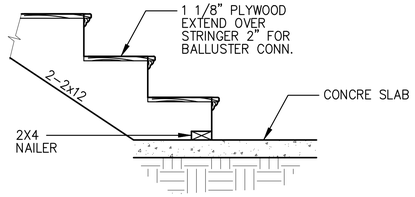


STEEL ANGLE CONNECTION DETAIL

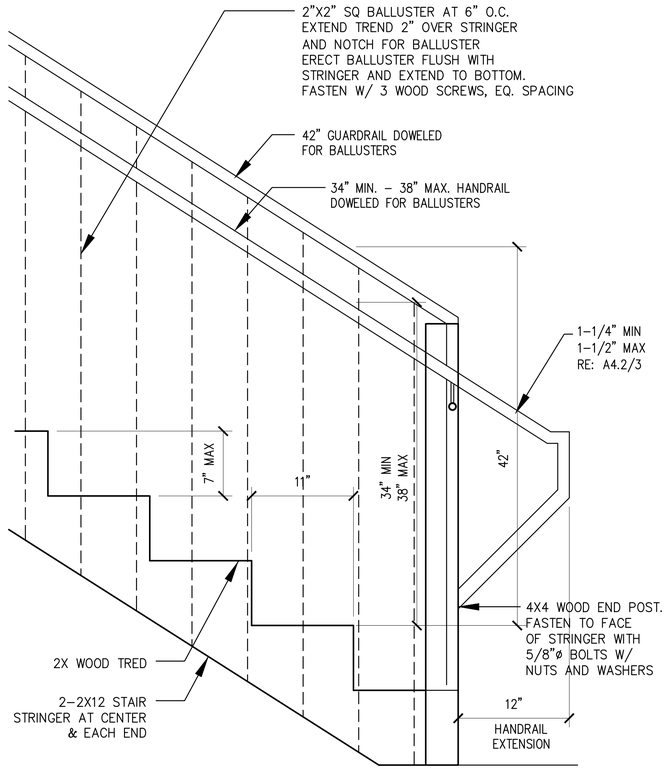


TOP OF CARRIAGE CONNECTION DETAIL



BOTTOM OF CARRIAGE CONNECTION DETAIL

NOTE: TOP OR BASE OF STAIR MAY TERMINATE @ A FLOOR LEVEL OR @ A LANDING. THE STAIR FRAMING CAN BE THE SAME IN EITHER CASE.



STAIR DETAIL (TYP)

N.T.S.

STAIR DESIGN CRITERIA

LOADS:

STAIRS SHALL BE DESIGNED FOR FOLLOWING LOADS AS PER REQUIREMENTS OF SECTION 1607.7 & 1003.3 OF IBC 2012

HANDRAILS:
(A) 50 LBS/ LFT UNIFORM APPLIED IN ANY DIRECTION AT THE TOP OF RAIL OR
(B) 200 LBS CONCENTRATED LOADS APPLIED IN ANY DIRECTION AT ANY POINT ON TOP RAIL

STAIRS:
(C) 100 PSF LOAD ON STAIRS
(D) 300 LBS CONCENTATED LOAD ON EACH STAIR TREAD

GEOMETRY

REFER TO ARCHITECTURAL DRAWINGS FOR STAIRS GEOMETRY. THE FOLLOWING LIMITATION SHALL APPLY:
MAX RISER: 7"
MIN TREAD: 11"
GUARD HEIGHT: 42" (MIN.)
HAND RAIL HEIGH 34"

THE GUARD RAIL SHALL BE DESIGNED PER TABLE 1607.1 & 1607.7

STAIR DESIGN CRITERIA

LOADS:

THE MONTESSORIOM AT BELLA TERRA

23421 FM 1093 RD.
RICHMOND, TX 77406

NO.	DESCRIPTION	DATE
1	FINAL SCHEME	02.01.19
2	REV.FINAL SCHEME	02.07.19
3	CD REVIEW	04.15.19

BUILDING SECTION

06/11/19

M. W. MIRZA
84151
LICENSED
PROFESSIONAL
ENGINEER
STATE OF TEXAS

PE
BUILDINGS
BRIDGES
INSPECTIONS
MARINE STRUCTURES
CIVIL ENGINEERING &
STRUCTURAL ENGINEERING

PARAMOUNT ENGINEERING LLC
10145 LONG POINT DR.
HOUSTON, TX 77043
TEL. : (713) 636-9977
FAX : (281) 888-9128
CEL. : (713) 204-1742

TBPE REGISTRATION # F-3394

DRAWN BY: AS | CHECKED BY: MM

PROJ. NO.: PE19-105

Project No. 1801.74
Date
Drawn by
Checked by

Sheet No.

S9