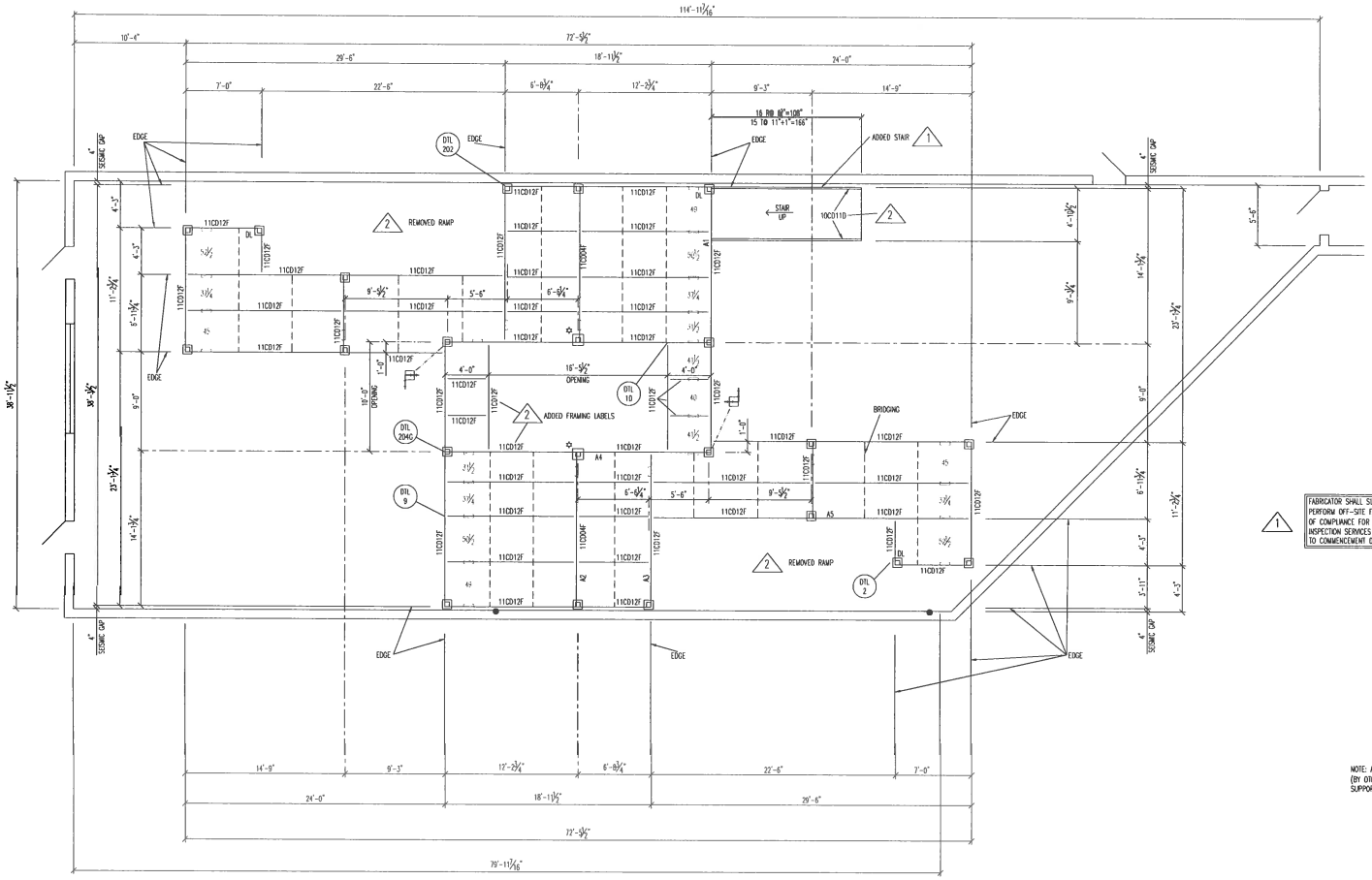


FRAMING PLAN

TS3x3x11ga COLUMN w/ 3/16x7x7 BASE PL (ANCHOR TO SLAB w/ (4) 3/8"ø x3" LG HILTI KH-EZ SCREW ANCHORS)

3/16x12x12 BASE PL

PLAY STRUCTURE SPECIFICATIONS

1. THE SYSTEM IS DESIGNED FOR A 75 PSF LIVE LOAD AND A 8 PSF DEAD LOAD AND MEETS IBC BUILDING CODES. ALL DESIGNS, DRAWINGS, AND CALCULATIONS ARE PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER EMPLOYED BY THE MANUFACTURER. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INFORM CUBIC DESIGNS OF SPECIAL DESIGN REQUIREMENTS DUE TO LOCAL BUILDING/SAFETY CODES.

2. SUPPORT COLUMNS ARE HSS6x6x3/16 STRUCTURAL STEEL TUBING MEETING ASTM A500 GRADE B, 46 KSI YIELD REQUIREMENTS AND ARE DESIGNED PER AISC STEEL CODES. COLUMNS ARE ANCHORED TO THE-SLAB WITH-(4) 5/8"ø x 6" LG TITEN HD SCREW ANCHORS VIA 3/4x10x10 BASE PLATES (U.N.O.). THE COLUMN BASE PLATE SIZES ARE BASED ON EXISTING SLAB AND SOIL SPECIFICATIONS PROVIDED BY THE OWNER. VERIFICATION OF THE EXISTING SLAB AND SOIL PARAMETERS IS BY OTHERS.

3. FRAMING MEMBERS ARE 14 GAUGE OR HEAVIER COLD FORMED "C" CHANNELS MEETING ASTM A572 GRADE E, 50 KSI YIELD REQUIREMENTS AND ARE DESIGNED PER AISI STEEL CODES. FRAMING MEMBERS ARE CONNECTED TO THE COLUMNS WITH 3/4" DIAMETER GRADE 5 BOLTS.

4. DECK IS 1/8", 20 GAUGE WHITE ROOF DECK MEETING ASTM A1008 GRADE C REQUIREMENTS WITH A FINAL FLOOR COVERING OF 3/4" TAG GRAY RESINDEK LD.

5. STAIRS (KNOCKED DOWN) HAVE SOLID CHECKERED PLATE TREADS. CLOSED RISERS AND 42" HIGH VERTICAL BALUSTER STAIR RAILS. (2) LEVEL PERIMETER RAILS CONSIST OF SQUARE TUBING AND ARE DESIGNED TO MEET STRENGTH, SIZE, AND OPENING REQUIREMENTS OF APPLICABLE CODES.

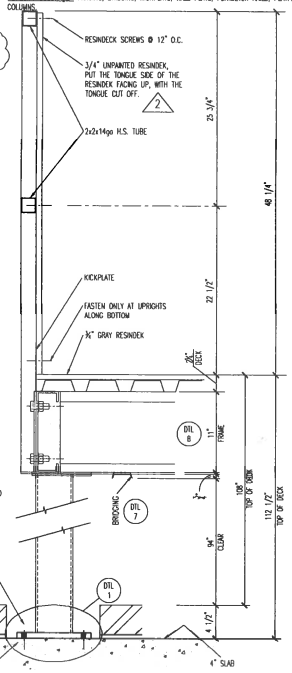
6. INSTALLATION OF ALL COMPONENTS SHALL BE IN ACCORDANCE WITH INSTALLATION DRAWINGS AND MANUALS SUPPLIED BY CUBIC DESIGNS.

7. ALL MATERIAL TO RECEIVE ONE SHOP COAT OF PAINT.
SPECIFY COLOR #1: COLUMNS
SPECIFY COLOR #2: FRAMING, BRIDGING, KICKPLATE, WALL PLATE, PERIMETER RAILS, PLATFORM COLUMNS.

NOTE

NOTE

NOTE: UNDERSIDE OF ROOF DECK IS TO BE PAINTED BLACK.



NOTE: ASPHALT AND PLYWOOD HAVE BEEN REMOVED (BY OTHERS) SO ALL COLUMNS AND RAMP SUPPORTS CAN SET ON THE CONCRETE BELOW.

NOTE: (4) SHIMS PROVIDED PER COLUMN, GROUT IF REQ'D. IS BY OTHERS

TYPICAL ELEVATION
N.T.S.

FABRICATOR SHALL SUBMIT AN 'APPLICATION TO PERFORM OFF-SITE FABRICATION' AND A 'CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION' TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO COMMENCEMENT OF FABRICATION

VERSION	DESCRIPTION	DATE	DRAWN	CHECKED
E	PLAN CHECK RESPONSE #3	10-15-13	DH	MR
D	PLAN CHECK RESPONSE #2	10-3-13	AG	DH
C	PLAN CHECK RESPONSE #1	7-3-13	DH	MR
B	FOR PERMITS	4-1-13	KB	DH
A	FOR APPROVAL	3-18-13	KK	DH

STATEMENT OF SPECIAL INSPECTION (IN FIELD) 1

ANCHORS: PERIODIC INSPECTION TO VERIFY:
- **ANCHOR TYPE**
- ANCHOR DIMENSIONS
- ANCHOR EMBEDMENT (MIN. EMB. = 3 1/4")
- HOLE DIMENSION = 1/4" DIA.
- INSTALLATION TORQUE = 65 FT-LBF

BOLTS: PERIODIC INSPECTION TO VERIFY:
- BEARING-TYPE CONNECTIONS FASTENED TO SNUG-TIGHT CONDITIONS PER AISC.

STATEMENT OF SPECIAL INSPECTION (DURING FABRICATION) 1

WELDING: PERIODIC INSPECTION OF:
- **SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"** (CBC 2010 TABLE 1704A.3)
- FABRICATOR MUST BE REGISTERED AND APPROVED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP. 2

NOTE: ALL WELDS ON THIS STRUCTURE ARE ≤ 5/16" FILLET WELDS

FOR PERMITS

X PERMIT RECEIVED - PROCEED WITH FABRICATION
___ PERMIT RECEIVED WITH COMMENTS NOTED - PROCEED WITH FABRICATION
___ PERMIT NOT RECEIVED - REVISE PER COMMENTS NOTED, AND RESUBMIT

SIGNATURE DATE 11/20/13

PLEASE CALL CUBIC DESIGNS @ 800-826-7061 WITH QUESTIONS OR COMMENTS. FABRICATION WILL PROCEED ONLY UPON RECEIPT OF (1) SIGNED SET OF DRAWINGS.

INDICATES JOIST DIRECTION

ALTERNATE DIRECTION OF JOISTS WHEREVER POSSIBLE IF NOT SPECIFIED ON FRAMING PLAN

Cubic Designs Inc.
5487 SOUTH WESTRIDGE DRIVE, NEW BERLIN, WI 53151
262-789-1966 800-826-7061 FAX: 262-789-1970
www.CUBICDESIGNS.com

CUSTOMER: MIRAMAR RACEWAY

LOCATION: SAN DIEGO, CA

SCALE: 3/16"=1'

DISTRIBUTOR: CREATIVE WORKS

DRAWING NUMBER: 8100XE-1