W-SECTION BEAM PER PLAN
LEGEND
HSS COL & BASE PLATE ALIGNED W/ GARAGE CONC COLUMN, UNO
RAFTERS PER PLAN AT 3'-7 7/8" OC
W-SECTION GIRDER PER PLAN

SCALE:
 STRUCTURAL STEEL FRAMING PLAN
1/16" = 1'-0"

STEEL FRAMING NOTES
A. REFER TO SHEET S1.0 FOR GENERAL NOTES AND STRUCTURAL SPECIFICATIONS.
B. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF DISCREPANCIES IN EXCESS OF 3".
C. TOP OF STRUCTURAL STEEL FRAMING SET TO ELEVATION +45' which PROVIDES 8'-3" VEHICLE CLEAR HEIGHT TO TOP OF FOURTH LEVEL AT ELEVATION +34' 6".
D. NO FUTURE ROOF DECKING OR SHEATHING MAY BE APPLIED ON THE OPEN GRID FRAMING.

Sheet Key Notes:
- W12x45
- W14x48
- W14x90
- HSS 8x6x3/16
- Rafters at 3'-7 7/8" OC with welded cap plate
- False Column, see detail
- Step down to garage third level
- Pillar tower 2
- Typ beam
- Typ girder
- Typ column
- Typ beam
- Base plate & HSS column over fourth level, see detail C54.3
- HSS 14x14x1/2 column, Typ UnO
- HSS 14x14x3/8 column, Typ UnO
- False Column, see detail XXX
- Pillar tower 2
- Typ girder
- Typ beam
- W12x45 girder conn to face of HSS column, see detail S4.0
- Typ beam
- Base plate & HSS column over fourth level, see detail S54.2
- Pillar tower 2
- Typ girder
- Typ beam
- W12x45 girder conn to face of HSS column, see detail S4.0
- Typ beam
- Pillar tower 2
- Typ girder
- Typ beam

Structural Steel Framing Plan

Scale: 1/16" = 1'-0"
W-SECTION BEAM PER STRUCTURAL STEEL FRAMING PLAN

LEGEND

ZEE TORSIONAL BRACE AT MIDPOINT OF ZEE PURLIN'S SPAN, TYP - EXCEPT AT ARRAY CORNER PROVIDE AT THIRD POINTS

ZEE PURLIN 2, TYP: 10.0ZS3.375x.075 (14 GAUGE), TYP

HSS COL & BASE PLATE ALIGNED W/ GARAGE CONC COLUMN

SOLAR PANEL - Q.PEAK DUO XL-G10.2 (826 TOTAL) AT 5° TILT

W-SECTION GIRDER PER STRUCTURAL STEEL FRAMING PLAN

SOLAR PANEL - Q.PEAK DUO XL-G10.2 (84 TOTAL) AT 0° TILT

ZEE PURLIN 1: 10.0ZS3.375x.105 (12 GAUGE), PER PLAN

HSS 4x4x3/16 LATTICE ACROSS RAFTERS AT 12" OC FROM MODULE EDGE TO END OF RAFTERS, W/ WELDED END CAP. EXTEND LATTICE 18" PAST RAFTERS IN E/W DIRECTION

FALSE COLUMN

BASE PLATE

HSS COLUMN OVER GARAGE COLUMN PER SHEET

CUSTOM HAT CHANNEL SEE DETAIL

W-SECTION GIRDER PER FRAMING PLAN

HSS 8x6x3/16" RAFTERS W/ WELDED END CAPS

SOLAR PANEL W/ 0° TILT

ZEE PURLIN PER LEGEND

ZEE TORSIONAL BRACE PER SHEET

S1.0

BEAM PER SHEET

S2.0

HSS COLUMN OVER GARAGE COLUMN PER SHEET

SCALE: 1/16"= 1'-0"

STEEL FRAMING NOTES

A. REFER TO SHEET S1.0 FOR GENERAL NOTES AND STRUCTURAL SPECIFICATIONS.

B. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF DISCREPANCIES IN EXCESS OF 3".

C. NO FUTURE ROOF DECKING OR SHEATHING MAY BE APPLIED ON THE OPEN GRID FRAMING.

PLAN NORTH

TRUE NORTH

SHEET NOTES

1. STAR TOWER 1

2. HSS COLUMN OVER GARAGE COLUMN PER SHEET S2.0

3. BEAM PER SHEET S2.0

4. ZEE PURLIN PER LEGEND

5. ZEE TORSIONAL BRACE PER SHEET S1.0

6. SOLAR PANEL PER LEGEND

DRAWING NUMBER

01/25/2022

DATE

PRELIMINARY NOT FOR CONSTRUCTION
1/4-14x3" 'TEK' SCREW AT EVERY OTHER HSS RAFTER WHERE PV MODULE ENDS, SCREWS THROUGH BOTTOM LEGS OF HAT CHANNEL, TYP

NOTES:
1. SEE SHEET S1.0 FOR MORE INFORMATION
S4.2

COLUMN BASE PLATE & ANCHOR DETAILS

GRANADA GARAGE & OFFICE BUILDING

DRAWING NUMBER  
PROJECT NUMBER  
SCALE  
DRAWING TITLE  
ISSUED FOR  
REV  
DATE

2375 EAST CAMELBACK ROAD, SUITE 400
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50% PRELIM COORD SET  
12/13/2021  
A

90% COORDINATION SET  
01/25/2022  
B

90% REVISED WITH NEW MODULES  
02/03/2022  
C

SECTION A-A

BASE PLATE & ANCHOR DETAIL

SCALE: 3/4" = 1'-0"

NOTE 1:
FIELD VERIFY LOCATION OF (E) DECK POST TENSION CABLES & REINF STEEL AND AVOID DAMAGING DURING DECK CORING.

2. SPECIAL INSPECTION NOT REQUIRED FOR FIELD WELDING OF ANCHOR ROD PLATE WASHERS TO BASE PLATE SINCE SHEAR DEMAND IS VERY LOW RELATIVE TO SPECIFIED WELD CAPACITY.

SECTION B-B

BASE PLATE & ANCHOR DETAIL

SCALE: 3/4" = 1'-0"

NOTE 2:
FIELD VERIFY LOCATION OF (E) DECK POST TENSION CABLES & REINF STEEL AND AVOID DAMAGING DURING DECK CORING.

2. SPECIAL INSPECTION NOT REQUIRED FOR FIELD WELDING OF ANCHOR ROD PLATE WASHERS TO BASE PLATE SINCE SHEAR DEMAND IS VERY LOW RELATIVE TO SPECIFIED WELD CAPACITY.
**COLUMN BASE PLATE & ANCHOR DETAILS**

**GRANADA GARAGE & OFFICE BUILDING**

**DRAWING NUMBER**

**PROJECT NUMBER**

**SCALE**

**DRAWING TITLE**

**ISSUED FOR**

**REV**

**DATE**

---

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**50% PRELIM COORD SET**

**12/13/2021**

**A**

**90% COORDINATION SET**

**01/25/2022**

**B**

**PRELIMINARY**

**NOT FOR CONSTRUCTION**

**90% REVISED WITH NEW MODULES**

**02/03/2022**

**C**

---

**SECTION C-C**

**CL**

**SYM**

**SCALE: 3/4" = 1'-0"**

---

**NOTES:**

1. Verify location of (E) deck post tension cables & reinf steel and avoid damaging during deck coring.

2. Special inspection not required for field welds of anchor rod plate washers to base plate. Shear demand is very low relative to specified weld capacity.

---

**BASE PLATE & ANCHOR DETAIL**

**SCALE: 3/4" = 1'-0"**
NOTES:
1. FINISH ELEVATION TO TOP OF MODULE SHALL NOT EXCEED EL +86.67 WHERE GROUND LEVEL AT EL +40.0. MAX HEIGHT ABOVE GROUND LEVEL 46'-8" FT.

3. RAISED CURB TO REMAIN
4. SQ HSS COLUMN PER FRAMING PLAN
5. W12 BEAM PER FRAMING PLAN W/ WELDED END PLATE
6. W14 GIRDER PER FRAME PLAN W/ WELDED END PLATE
7. 14" SQ HSS COLUMN PER FRAMING PLAN
8. 10" DEEP ZEE PURLIN PER PLAN
9. 6"x8" RECT HSS RAFTR W/ WELDED END PLATES
10. 4" SQ HSS TRELLIS PICKET W/ WELDED END PLATES
11. 2" WIDE HAT CHANNEL

2. PV WIDESPAN & GARAGE CROSS SECTION
3. PV CANOPY & GARAGE CROSS SECTION AT GRID 10
4. ENLARGED CROSS SECTION AT CANOPY'S SOUTH SIDE
5. ENLARGED CROSS SECTION AT CANOPY'S WEST SIDE

SCALE: 1/4"=1'-0"
1. SEE EQUIPMENT INSTALLATION MANUAL FOR FINIAL REQUIRED ANCHOR LAYOUT DIMENSIONS.

2. BOLLARDS CAN EITHER BE LOCATED WITHIN MAT SLAB AS LONG AS EQUIPMENT CLEARANCE ARE
   2. TORQUE EXPANSION ANCHORS TO 40 FT-LBS (1/2"
   " DIAMETER MIN HILTI KWIK BOLT TZ"

3/4" CHAMFER EDGE TYP EXPOSED REMAINING EDGE OF MAT SLAB
   EPOXY ADHESIVE, MIN 4" EMBEDMENT

1'-6" DOWELS EA SIDE W/ HILTI HIT-RE 500 V3 EPOXY ADHESIVE, MIN 4" EMBEDMENT.

PV ENERGY STORAGE AT BOLLARD LOCATIONS. WHERE OUTSIDE OF MAT SLAB, SAW CUT (E) SLAB & DOWEL INTO (E) SLAB W/ (2) #3 x 1/4" = 1'-0"

CONC FOOTING: NOTE 2, MIN 2'-0" L x 1'-6" W x 1'-8" D W/ (2) #5 BAR EA WAY

1'-0" MIN 27.6" CLR REQD

SCALE: 6"

S6.1
View from Anapamu Street, facing Northwest
View from Anapamu Street, facing North
View from intersection of Anapamu & Anacapa, facing West
View from Anacapa Street, facing South
View from top deck of garage, facing North
View from courthouse clocktower, facing West
View from Granada parking plaza looking at SW façade
View from Granada parking plaza looking at NW façade
View along Anapamu Street edge from stairway looking NE
View from above looking North / Northwest