NOTES:
1. ROOF DECK, 4 IN. PRECAST CONCRETE.
2. TRUSSES, SEE DETAIL 2 DRAWING NO. S-6 FOR MATERIALS SPECIFICATIONS.
3. PURLINS, SEE DETAIL 2 DRAWING NO. S-6 FOR MATERIALS SPECIFICATIONS.
4. BEAM, SEE DETAIL 1 DRAWING NO. S-6 FOR MATERIALS SPECIFICATIONS.
5. TRUSSES, SEE DETAIL 4 DRAWING NO. S-7 FOR MATERIALS SPECIFICATIONS.
6. PURLINS, SEE DETAIL 4 DRAWING NO. S-7 FOR MATERIALS SPECIFICATIONS.
7. BEAM, SEE DETAIL 3 DRAWING NO. S-7 FOR MATERIALS SPECIFICATIONS.
8. SLABS, SEE DETAIL 9 DRAWING NO. S-9 FOR MATERIALS SPECIFICATIONS.
NOTES:

1. COLUMN, SEE DETAIL 5 DRAWING NO. S-8 FOR MATERIALS SPECIFICATIONS.
2. COLUMN, SEE DETAIL 6 DRAWING NO. S-8 OR MATERIALS SPECIFICATIONS.
3. COLUMN, SEE DETAIL 7 DRAWING NO. S-8 OR MATERIALS SPECIFICATIONS.
4. COLUMN, SEE DETAIL 8 DRAWING NO. S-8 OR MATERIALS SPECIFICATIONS.
5. SLABS, SEE DETAIL 9 DRAWING NO. S-9 FOR MATERIALS SPECIFICATIONS.
6. MASONRY SHEAR WALL, SEE DETAIL 10 DRAWING NO. S-9 FOR MATERIALS SPECIFICATIONS.
NOTES:
1. ROOF DECK, 4 IN. PRECAST CONCRETE.
2. TRUSSES, SEE DETAIL 2 DRAWING NO. S-6 FOR MATERIALS SPECIFICATIONS.
3. PURLINS, SEE DETAIL 2 DRAWING NO. S-6 FOR MATERIALS SPECIFICATIONS.
4. BEAM, SEE DETAIL 1 DRAWING NO. S-6 FOR MATERIALS SPECIFICATIONS.
5. TRUSSES, SEE DETAIL 4 DRAWING NO. S-7 FOR MATERIALS SPECIFICATIONS.
6. PURLINS, SEE DETAIL 4 DRAWING NO. S-7 FOR MATERIALS SPECIFICATIONS.
7. BEAM, SEE DETAIL 3 DRAWING NO. S-7 FOR MATERIALS SPECIFICATIONS.
DETAIL: 1, APPARATUS BAY BEAMS
MATERIAL: W24X84

DETAIL: 2, APPARATUS BAY PURLINS AND TRUSSES
MATERIAL: W8X13
DETAIL: 3, LIVING QUARTER BEAMS
MATERIAL: W18X40

DETAIL: 4, LIVING QUARTER PURLINS AND TRUSSES
MATERIAL: W10X19
DETAIL: 5, COLUMN SECTION
MATERIAL: STEEL HSS9X9X\(\frac{3}{16}\)" 

DETAIL: 6, COLUMN SECTION
MATERIAL: STEEL HSS9X9X\(\frac{3}{8}\)"

DETAIL: 7, COLUMN SECTION
MATERIAL: STEEL HSS9X9X\(\frac{5}{8}\)"

DETAIL: 8, COLUMN SECTION
MATERIAL: CONCRETE
DETAIL: 9, SLAB

MATERIAL: REINFORCED CONCRETE

DETAIL: 10, MASONRY SHEAR WALL

MATERIAL: REINFORCED CONCRETE
Grading and Drainage Plan

This project site incorporates many innovative and environmentally sensitive construction techniques. The grading and drainage layed the basework for them, which included calculating the total site watershed of a 100 year storm and designing a temporary retention facility for infiltration.
Elevation Profile

North Edge

South Edge

Cut — Retaining Wall — Existing elevation line

*Linear Distance from proposed retaining wall
Rainwater Harvesting System

ROOF LEVEL

5" PVC PIPE

6' TALL TANK WITH 845 GALLONS CAPACITY

PLINTH LEVEL

HOSE OUTLET

UNDERGROUND SOIL

UCSD - CITY SD FIRE STATION PROJECT

RAINWATER TANK
(1) Downspout will be located at the eastern side of Living Quarters building and leads to rainwater tank for harvesting.

Pipe has a downward length of 22 ft.

(1) Downspout will be located at the eastern side of Living Quarters building and leads to a storm drain.

Pipe has a downward length of 28 ft.
Downspouts for Apparatus Bay

5" PVC Downspout

4" PVC Downspout

5" Diamater

4" Diamater

Storm Drain

Storm Drain

(1) Downspout will be located at the eastern side of Apparatus Bay building and leads to a storm drain. Pipe has a downward length of 28 ft.

(2) Downspouts will be located at the northern side of Apparatus Bay building and each (1) leads to a storm drain. Pipe has a downward length of 28 ft.