

# Pearl Place Building 1 & 2

Portland Maine

Developer  
Avesta Pearl  
Street One, L.P.

Architect  
Winton Scott Architects

Landscape Architect  
Carroll Associates

WALL SECTIONS

# A4.4

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

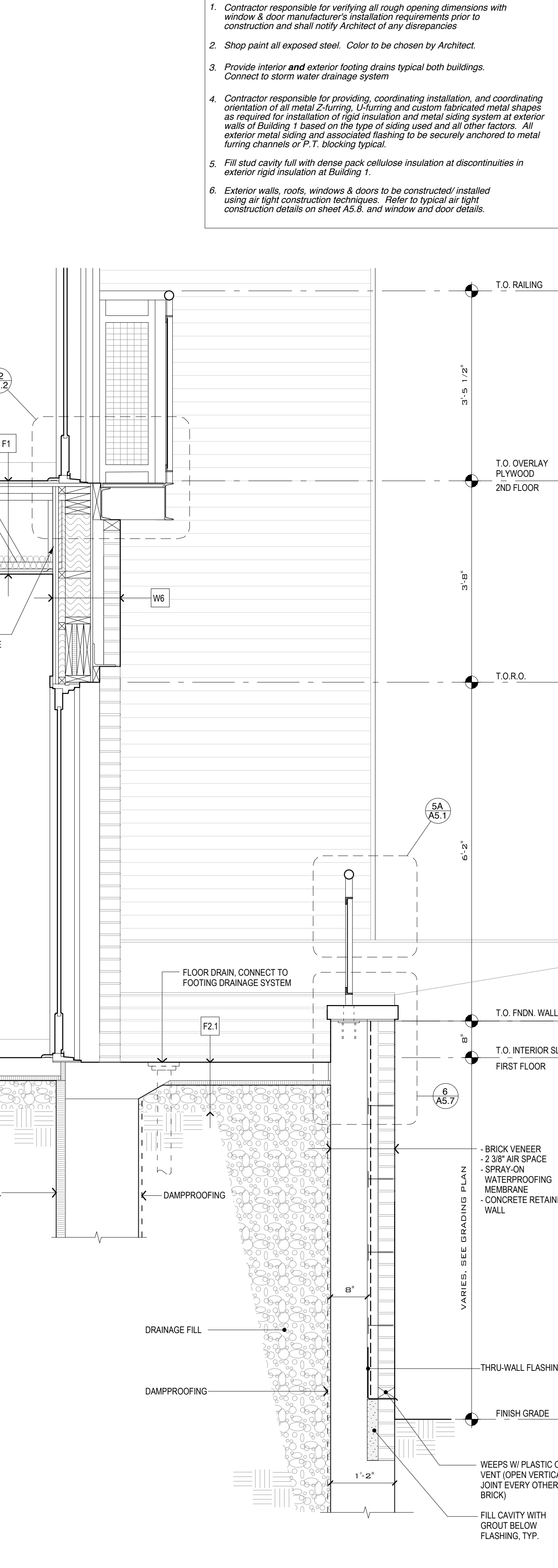
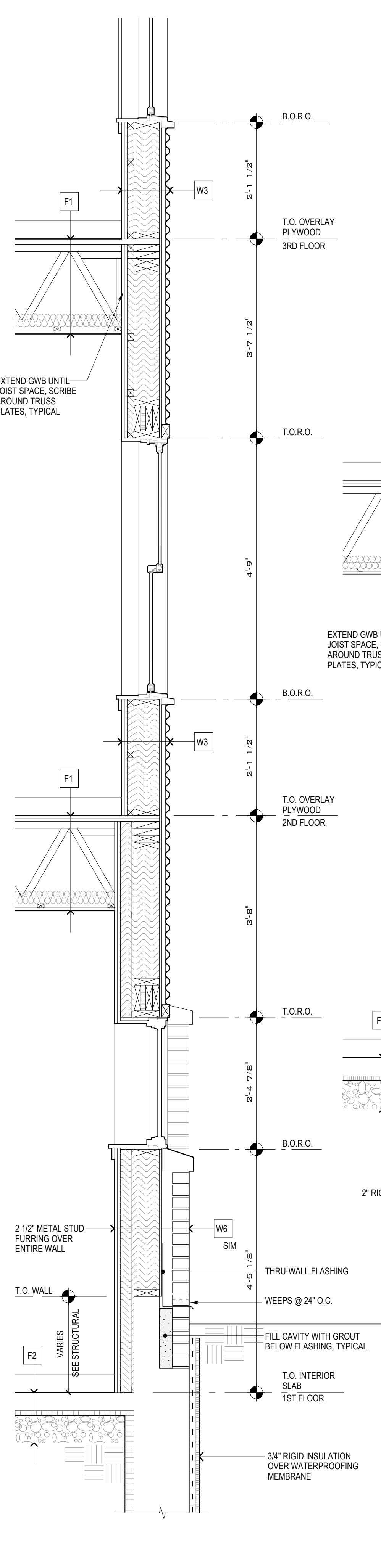
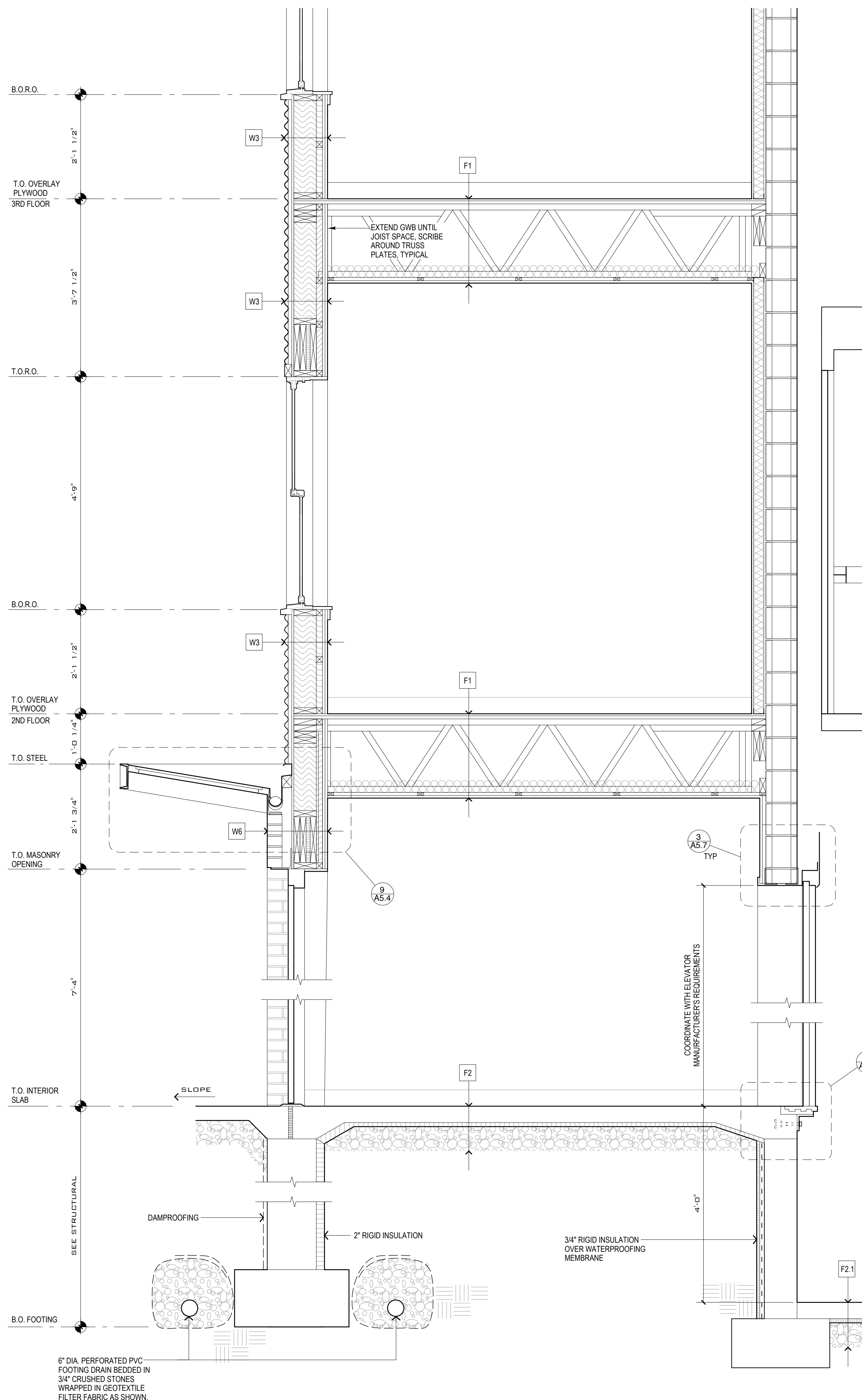
SEPTEMBER 1, 2006

### GENERAL NOTES

- Contractor responsible for verifying all rough opening dimensions with window & door manufacturer's installation requirements prior to construction and shall notify Architect of any discrepancies.
- Shop paint all exposed steel. Color to be chosen by Architect.
- Provide interior and exterior footing drains typical both buildings. Connect to storm water drainage system.
- Contractor responsible for providing, coordinating installation, and coordinating orientation of all metal Z-furring, U-furring and custom fabricated metal shapes as required for installation of rigid insulation and metal siding system at exterior walls of Building 1 based on the type of siding used and all other factors. All exterior metal siding and associated flashing to be securely anchored to metal furring channels or P.T. blocking typical.
- Fill stud cavity full with dense pack cellulose insulation at discontinuities in exterior rigid insulation at Building 1.
- Exterior walls, roofs, windows & doors to be constructed/installed using air tight construction techniques. Refer to typical air tight construction details on sheet A5.8, and window and door details.

### CONSTRUCTION ASSEMBLIES

- WALLS**
- W1 BUILDING 1 - BEARING & NON-BEARING**
- PRE-FINISHED METAL SIDING
  - 7/8" METAL HAT CHANNELS
  - 2 1/2" METAL Z-FURRING & RIGID INSULATION, TAPE SEAMS
  - WALL SHEATHING PER STRUCTURAL
  - 2X6 WOOD STUDS PER STRUCTURAL
  - 3" DENSE PACK CELLULOSE INSULATION
  - 5/8" PTD. GWB (M.R. GWB @ BATHROOMS ONLY)
- W2 BUILDING 2 - NON-BEARING**
- PRE-FINISHED METAL SIDING
  - 7/8" METAL HAT CHANNELS
  - AIR INFILTRATION BARRIER
  - WALL SHEATHING PER STRUCTURAL
  - 2X6 FIRE-TREATED WOOD STUDS
  - 2X2 STRAPPING SPACED PER GWB MANUF. REC.
  - 7" DENSE PACK CELLULOSE INSULATION
  - VAPOR BARRIER
  - 5/8" PTD. GWB
- W3 BUILDING 2 - BEARING**
- 2-HR FIRE RATED ASSEMBLY (ESR 1365)
  - PRE-FINISHED METAL SIDING
  - 7/8" METAL HAT CHANNELS
  - AIR INFILTRATION BARRIER
  - 1/2" BLAZEGUARD PLYWD. SHEATHING
  - 2X6 FIRE-TREATED WOOD STUDS
  - 2X2 STRAPPING SPACED PER GWB MANUF. REC.
  - 7" DENSE PACK CELLULOSE INSULATION
  - VAPOR BARRIER
  - (2) LAYERS FC TYPE X GWB, PAINTED
  - 1/2" M.R. GWB OVER RATED GWB @ BATHROOMS ONLY
- W4 BUILDING 1 - BRICK BEARING & NON-BEARING**
- BRICK VENEER
  - 1 7/8" AIR SPACE
  - 2 1/2" METAL Z-FURRING & RIGID INSULATION, TAPE SEAMS
  - WALL SHEATHING PER STRUCTURAL
  - 2X6 WOOD STUDS PER STRUCTURAL
  - 3" DENSE PACK CELLULOSE INSULATION
  - PTD. 5/8" GWB (M.R. GWB @ BATHROOMS ONLY)
- W5 BUILDING 2 - BRICK NON-BEARING**
- BRICK VENEER
  - 2 3/8" AIR SPACE
  - 1/2" WALL SHEATHING PER STRUCTURAL
  - 2X6 FIRE-TREATED WOOD STUDS
  - 2X2 STRAPPING SPACED PER GWB MANUF. REC.
  - 7" DENSE PACK CELLULOSE INSULATION
  - VAPOR BARRIER
  - PTD. 5/8" GWB
- W6 BUILDING 2 - BRICK BEARING**
- 2-HR FIRE RATED ASSEMBLY (ESR 1365)
  - BRICK VENEER
  - 2 3/8" AIR SPACE
  - 1/2" BLAZEGUARD PLYWD.
  - 2X6 FIRE-TREATED WOOD STUDS
  - 2X2 STRAPPING SPACED PER GWB MANUF. REC.
  - 7" DENSE PACK CELLULOSE INSULATION
  - VAPOR BARRIER
  - (2) LAYERS 5/8" FC TYPE X GWB, PAINTED
- W7 DEMISING WALL - 1 HR. RATED (UL Des US27, STC 50)**
- 5/8" PTD. FC TYPE X GWB, PAINTED
  - 1/2" PLYWOOD WHERE REQUIRED BY STRUCTURAL
  - 2X6 WOOD STUDS PER STRUCTURAL
  - 3 1/2" SAFB
  - 1/2" RESILIENT CHANNELS
  - 5/8" FC TYPE X GWB, PAINTED
- W8 CONCRETE FOUNDATION WALL**
- 1/2" AIR SPACE
  - 2 1/2" METAL STUDS
  - 2" HIGH DENSITY SPRAY-FOAM INSULATION
  - 5/8" PTD. GWB
- FLOORS**
- F1 1-HR FIRE RATED (UL DES L514, STC 51, IIC 70)**
- 44 OZ. CARPET OVER 40 OZ. PAD OR RESILIENT FLOORING WITH 3/8" UNDERLAYMENT
  - 1/2" OVERLAY PLYWOOD
  - 3/4" T&G PLYWOOD
  - OPEN-WEB WOOD OR 2X JOISTS PER STRUC.
  - 3" SAFB
  - 1/2" RESILIENT CHANNELS
  - 5/8" PTD. FC TYPE X GWB
  - 1/2" M.R. GWB OVER 5/8" FC TYPE X GWB @ BATHROOMS ONLY
- F2 FINISH FLOOR @ F2 ONLY**
- C.I.P. CONCRETE SLAB
  - 1" RIGID INSULATION UNDER ENTIRE SLAB
  - 6" CRUSHED STONE DRAINAGE PAD (NO FINES)
- F2.1 1" RIGID INSULATION UNDER ENTIRE SLAB**
- 6" CRUSHED STONE DRAINAGE PAD (NO FINES)
- F3 FINISHED FLOOR**
- 1/2" OVERLAY PLYWOOD OVER 3/4" T&G PLYWOOD
  - OPEN-WEB WOOD JOISTS PER STRUCTURAL
  - 3" SAFB BETWEEN JOISTS
  - 1/2" RESILIENT CHANNELS
  - 5/8" PTD. GWB
- F4 PARKING GARAGE (2 HR RATED, UL DESIGN NO. D502)**
- FINISHED FLOOR
  - CONCRETE SLAB & METAL DECK PER STRUCTURAL
  - STEEL BEAMS PER STRUCTURAL
  - SUSPENDED 1 1/2" METAL CHANNELS @ 48" O.C.
  - 7/8" METAL HAT CHANNELS @ 24" O.C.
  - 5/8" FC TYPE "X" GWB, FIRE TAPED
  - 1" POLYISOCYANURATE RIGID INSULATION
  - 4 1/2" INSULATED NAILBOARD
  - 1/2" DENS-GLASS EXT. GYP., SAND PAINTED TEXTURE
- F5 5/4 X 6 WOOD COMPOSITE DECKING**
- TAPERED P.T. 2X SLEEPERS @ 16" O.C. SET ON 4"X12" ASPHALTIC CORE TRAFFIC PADS
  - EPDM MEMBRANE
  - TAPERED RIGID INSULATION
  - ROOF SHEATHING PER STRUCTURAL
  - JOISTS PER STRUCTURAL
  - SPRAY FOAM URETHANE INSULATION (8" MIN.)
  - 1X STRAPPING SPACED PER GWB MANUF. REC.
  - 5/8" PTD. GWB (M.R. GWB @ BATHROOMS ONLY)
- F6 CORRIDOR FLOOR-CEILING ASSEMBLY**
- 1/2" OVERLAY PLYWOOD
  - 3/4" T&G PLYWOOD SUB-FLOOR
  - 2X WOOD JOISTS PER STRUCTURAL
  - 3" S.A.F.B. BETWEEN JOISTS
  - 1X STRAPPING SPACED PER GWB MANUF. REC.
  - 5/8" GWB
  - ACOUSTIC CEILING TILE
- F7 2-HR FIRE RATED (UL DESIGN L511, GA. #FC5710)**
- FINISH FLOOR PER SCHEDULE
  - 1/2" OVERLAY PLYWOOD OVER 3/4" T&G PLYWOOD
  - OPEN-WEB WOOD OR 2X WOOD JOISTS PER STRUC.
  - 5/8" FC TYPE X GWB
  - 1/2" RESILIENT CHANNELS
  - 5/8" FC TYPE X GWB, PAINTED
- ROOF**
- R1 EPDM MEMBRANE ROOFING**
- TAPERED RIGID INSULATION CRICKETING
  - ROOF SHEATHING PER STRUCTURAL
  - OPEN-WEB WOOD OR 2X WOOD JOISTS PER STRUC.
  - SPRAY FOAM URETHANE INSULATION (8" MIN.)
  - 1X STRAPPING SPACED PER GWB MANUF. REC.
  - 5/8" PTD. GWB (M.R. GWB @ BATHROOMS ONLY)
- R2 EPDM MEMBRANE ROOFING**
- TAPERED RIGID INSULATION CRICKETING
  - ROOF SHEATHING PER STRUCTURAL
  - 2X WOOD JOISTS PER STRUCTURAL
  - SPRAY FOAM URETHANE INSUL. (8" MIN.)
  - SUSPENDED ACOUSTIC CEILING TILE



11 WALL SECTION  
3/4" = 1'-0"

12 WALL SECTION  
3/4" = 1'-0"

13 WALL SECTION  
3/4" = 1'-0"

6" DIA. PERFORATED PVC  
FOOTING DRAIN BEDDED IN  
3/4" CRUSHED STONES  
WRAPPED IN GEOTEXTILE  
FILTER FABRIC AS SHOWN.