



**INVITATION FOR BIDS (IFB) #26-003**  
**EXTERIOR PAINTING AND TILT WALL AT PALM LAKE VILLAGE APARTMENTS**

**ADDENDUM NUMBER ONE (1)**

**July 10, 2026**

**A. INSTRUCTIONS:**

1. This addendum shall be included as part of the original Invitation for Bids documents and the scope of work required therein.
2. Receipt of this addendum must be acknowledged by return of the fully executed "Acknowledgement of Receipt of Documents," attached hereto, and must be submitted with the bid.

**Any bids not including the "Acknowledgement of Receipt of Documents" form may be considered non-responsive.**

**B. ADDITION OF ATTACHED DOCUMENT:**

- **Palm Lake Village Community Center Plans (36 pages)**

**END OF ADDENDUM #1**

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EXTERIOR PAINTING AND TILT WALL AT PALM LAKE VILLAGE APARTMENT**

**ADDENDUM NUMBER ONE (1)**

**July 10, 2026**

**ACKNOWLEDGEMENT OF RECEIPT OF DOCUMENTS**

All prospective firms for the above-referenced solicitation must sign this acknowledgement form as verification of receipt of the following documents:

- Addendum #1

**NOTE:** Each prospective bidder must submit this form with the submission package. Any bids not including this form may be considered non-responsive.

**Acknowledged by:**

\_\_\_\_\_  
**Company Name**

\_\_\_\_\_  
**Printed Name of Authorized Company Official**

\_\_\_\_\_  
**Signature of Authorized Company Official**

**Date:** \_\_\_\_\_











DEMOLITION NOTES:

1. THE LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT LOCATIONS PRIOR TO CONSTRUCTION. ANY MAJOR DISCREPANCY WHICH WOULD IMPACT DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. ALL DEMOLITION SHALL MEET CITY OF DUNEDIN STANDARDS AND SPECIFICATIONS AT A MINIMUM.
3. SILT SCREEN SHALL BE INSTALLED PRIOR TO DEMOLITION AND MAINTAINED THROUGHOUT CONSTRUCTION. HAY BALES OR FILTER FABRIC TO BE OVER OR AROUND EXISTING INLETS TO REMAIN, AS SHOWN.
4. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR THE LOCATION OF THAT UTILITY AND ITS REMOVAL OR RELOCATION.
5. CONTRACTOR WILL RESTORE ALL ROAD SIGNAGE DISTURBED BY DEMOLITION.
6. ALL EXISTING UTILITIES TO EXISTING BUILDINGS, INCLUDING BUT NOT LIMITED TO WATER, SEWER, FIRE LINE, POWER AND COMMUNICATIONS SHALL BE DISCONNECTED AND REMOVED, PER REQUIREMENTS OF AGENCY HAVING JURISDICTION.
7. THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION IN THE VICINITY OF TREES TO REMAIN AND IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS WORK.

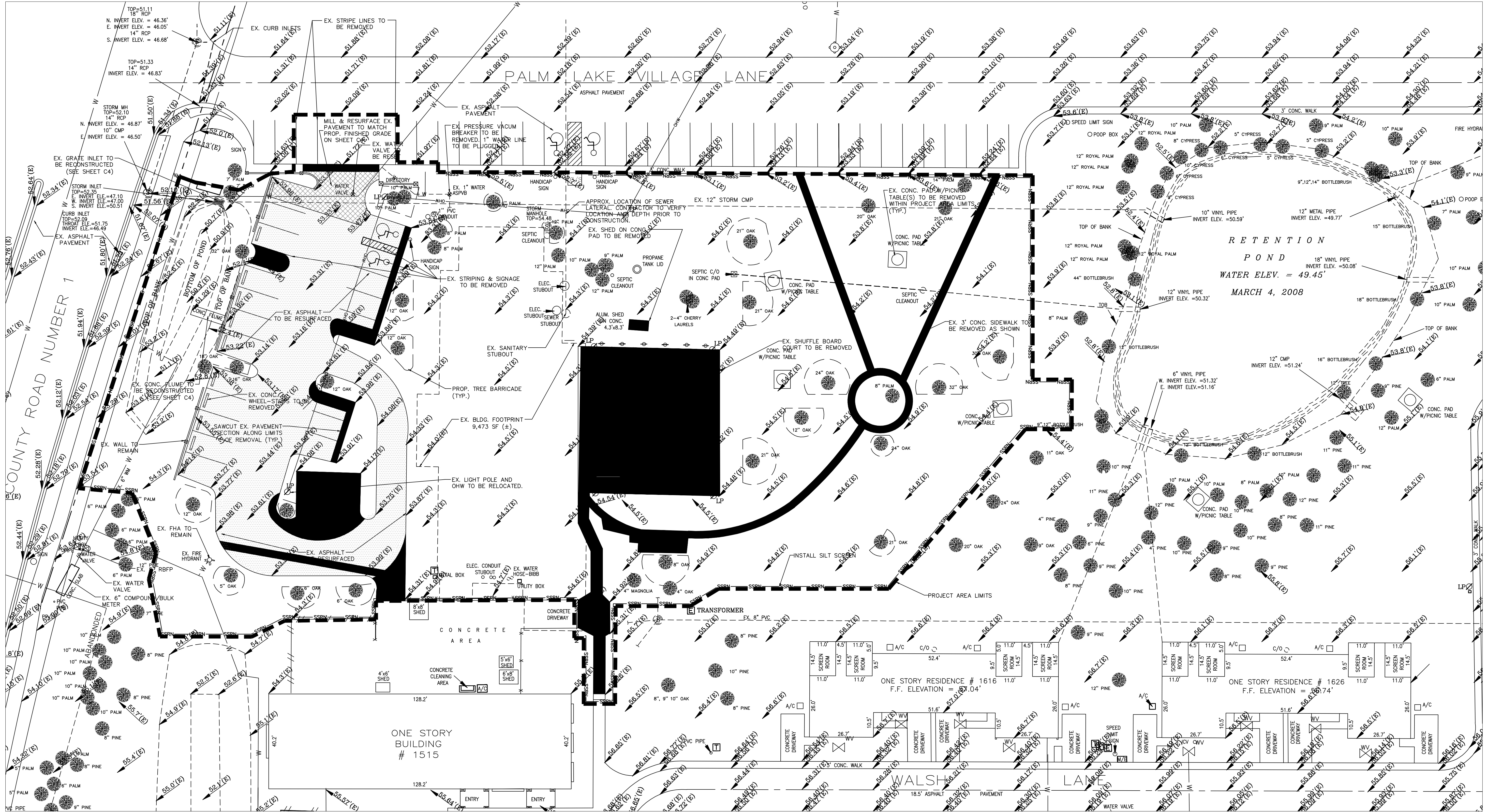
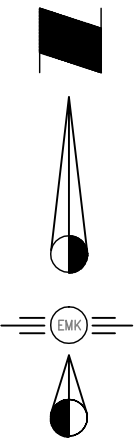
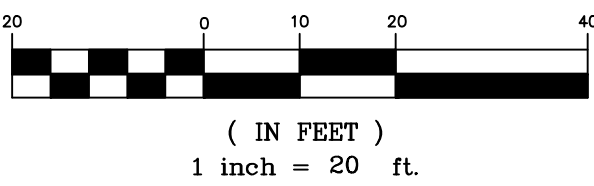
EXISTING LEGEND

FOM FOUND CONCRETE MONUMENT  
FIP FOUND IRON PIPE  
FIR FOUND IRON ROD  
FOR FOUND CAPPED IRON ROD  
SCIR SET CAPPED IRON ROD  
(M) MEASURED  
(L) LEGAL  
(P) PLAT  
(CALC) CALCULATED  
R/W RIGHT-OF-WAY  
EOP EDGE OF PAVEMENT  
CONC. CONCRETE  
PP POWER POLE  
BDC BACK OF CURB  
BOW BACK OF WALK

PROPOSED LEGEND

■ DENOTES REMOVAL  
--- SSOR --- SILT FENCE  
○ TREE BARRICADE/TREE TO REMAIN  
--- PROJECT AREA LIMITS

GRAPHIC SCALE



EXISTING CONDITIONS/  
DEMOLITION PLAN

| date     | description                               | date | description |
|----------|-------------------------------------------|------|-------------|
| 07.08.08 | Revised site layout per Arch.             |      |             |
| 07.11.08 | Revised parking lot per Arch.             |      |             |
| 08.01.08 | Added pond dm call-outs                   |      |             |
| 09.03.08 | Revised south parking lot area call       |      |             |
| 09.16.08 | Revised south parking lot area call       |      |             |
| 10.06.08 | Removed references to trees to be removed |      |             |

sheet no.

C-2  
30369.35



**Robert Reid Wedding**  
Architects & Planners, AIA, Inc.  
Architectural/Interior Design: AIA-0001222 Engineering: 0002655  
State of Florida License #s: Architectural/Interior Design: AIA-0001222 Engineering: 0002655  
221 Commercial Blvd. • Suite 202 • Lauderdale-by-the Sea, FL 33308 • (954) 482-9980

PINELLAS COUNTY HOUSING AUTHORITY  
PALM LAKE VILLAGE  
1515 CR1  
City of Dunedin  
Pinellas County, Florida

commission number 27-52

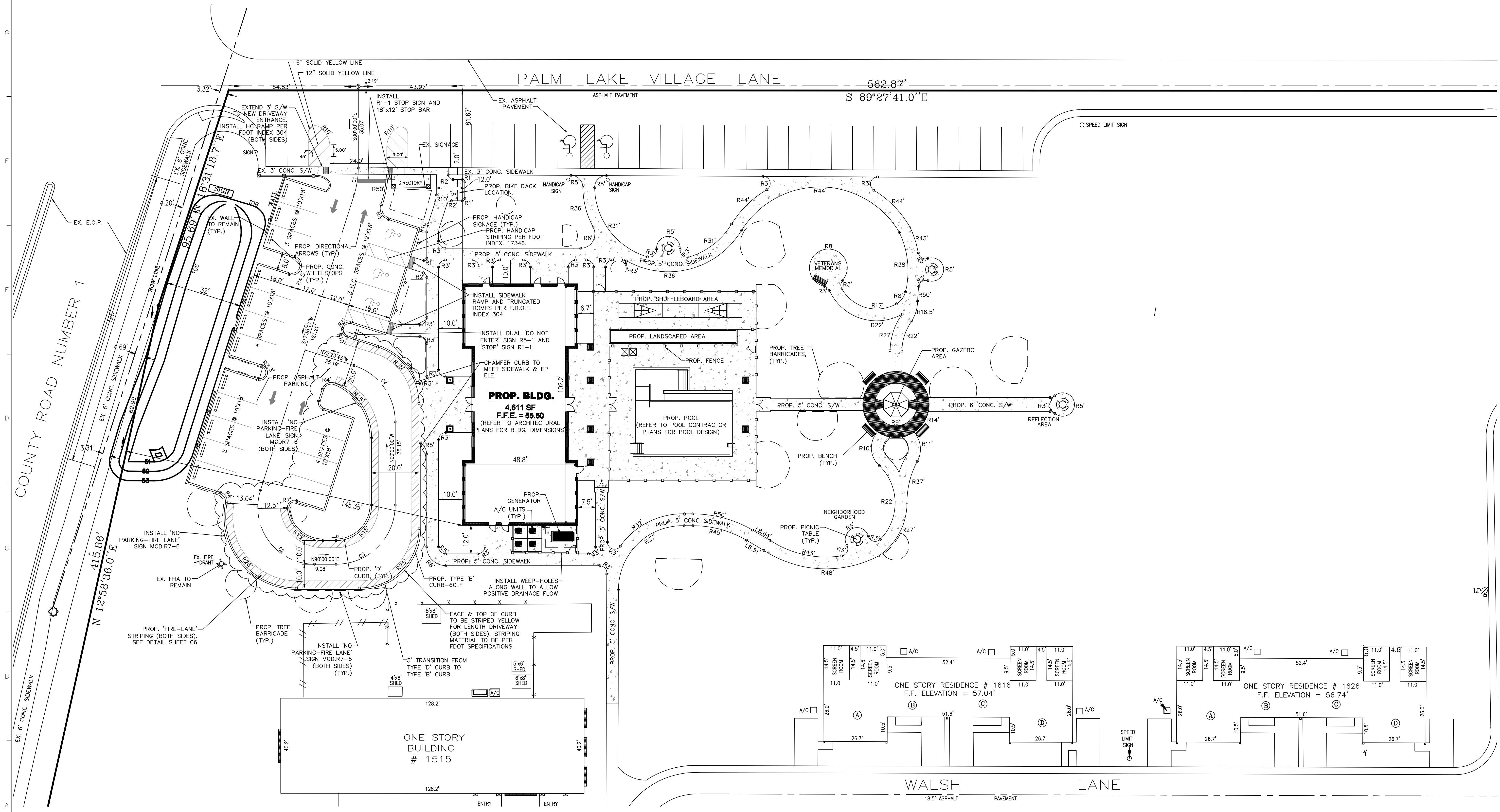
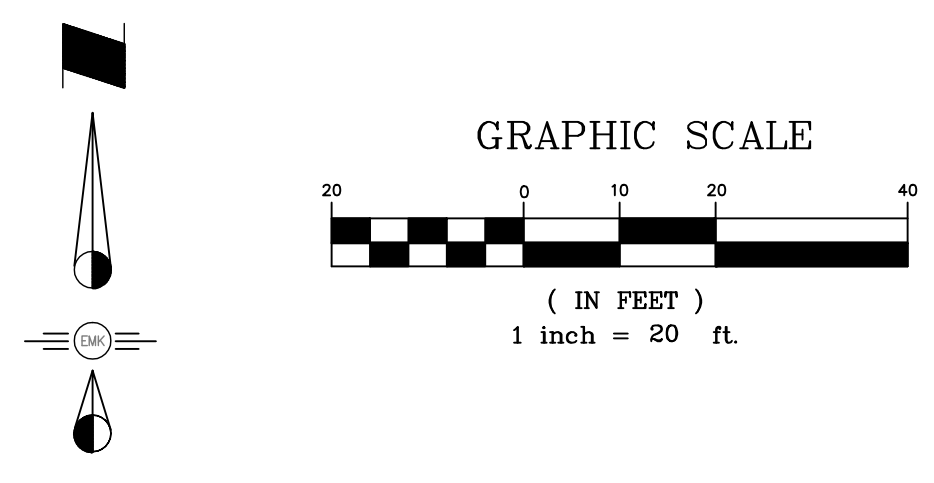
consultant

EMK CONSULTANTS OF FLORIDA, INC.  
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- NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS SHOWN OTHERWISE.
  2. REFER TO LANDSCAPE PLAN FOR DESIGN OF LANDSCAPE AND IRRIGATION DESIGN.
  3. OVERHEAD CLEARANCE FOR THE HANDICAP SPACES SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND SLOPES SHALL NOT EXCEED 2% IN ALL DIRECTIONS.
  4. CONTRACTOR TO INSTALL TRUNCATED DOMES AT SIDEWALK RAMPS.
  5. REFER TO LANDSCAPE PLANS, BY OTHERS, FOR LANDSCAPE AND IRRIGATION STALLATION.

| CURVE TABLE |        |        |         |            |               |        |
|-------------|--------|--------|---------|------------|---------------|--------|
| CURVE       | RADIUS | LENGTH | TANGENT | DELTA      | CHORD BEARING | CHORD  |
| C1          | 38.00' | 11.68' | 5.88'   | 17°36'17"  | S 08°48'08" W | 11.63' |
| C2          | 24.00' | 45.07' | 32.79'  | 107°36'17" | S 36°11'52" E | 38.74' |
| C3          | 25.00' | 39.27' | 25.00'  | 90°00'00"  | N 45°00'00" E | 35.36' |
| C4          | 25.00' | 31.59' | 18.30'  | 72°23'43"  | N 36°11'52" W | 29.53' |



HORIZONTAL CONTROL PLAN

consultant

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PINELLAS COUNTY HOUSING AUTHORITY  
PALM LAKE VILLAGE  
1515 County Road 1  
DUNEDIN, FL 34698

commission number 27-52

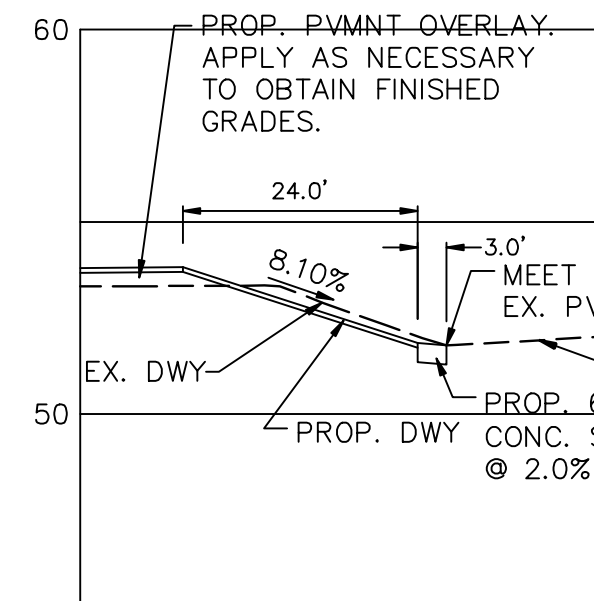
| date     | description                                | date | description |
|----------|--------------------------------------------|------|-------------|
| 07/05/09 | Revised site layout per Arch.              |      |             |
| 07/11/09 | Included radii for sidewalk                |      |             |
| 07/17/09 | Added conc. bike rack pad                  |      |             |
| 08/01/09 | Included new pond dimensions               |      |             |
| 08/28/09 | Included ex. FHA location & striping       |      |             |
| 09/03/09 | Included south parking lot area curb radii |      |             |
| 09/16/09 | Revised south parking lot area curb radii  |      |             |

sheet no.

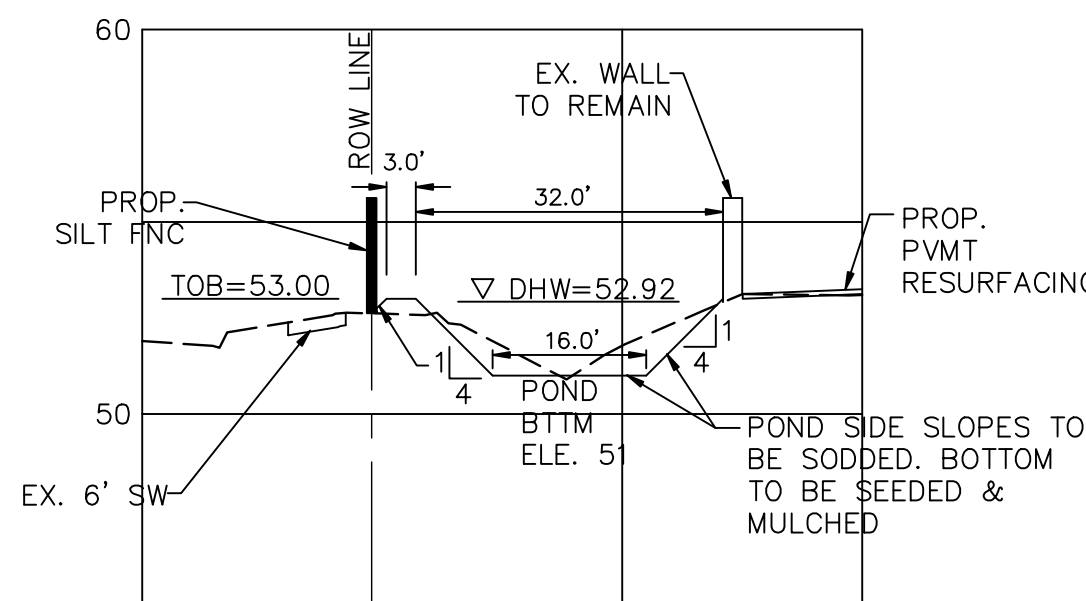
C-3  
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- NOTES:
1. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STUB-OUTS AS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT LOCATIONS, DEPTHS AND INVERTS PRIOR TO CONSTRUCTION. ANY DISCREPANCY BETWEEN THE PLAN AND FIELD CONDITIONS WHICH WOULD IMPACT DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
  2. REFER TO LANDSCAPE PLANS FOR LIMITS OF TREE BARRICADES, TREE REMOVAL AND LIMITS OF TREE ROOT PRUNING.
  3. ALL DISTURBED AREAS WITHIN PALM LAKE VILLAGE LN. AND AREAS WHERE SIDEWALK IS REMOVED SHALL BE COMPACTED AND SODDED.
  4. ACCORDING TO THE FLOOD INSURANCE RATE MAPS AS PROVIDED BY F.E.M.A. THE ABOVE PROPERTY LIES WITHIN FLOOD ZONE "X", COMMUNITY PANEL NO. 12103 C 0069 G, MAP REVISED SEPT. 3, 2003.
  5. ELEVATIONS ARE BASED ON SWFMD BENCHMARK TBM#252815-1, ELEVATIONS=56.87' NGVD 1929.
  6. POOL CONTRACTOR TO VERIFY POOL GRADES AND TO PROVIDE LOCATION AND ELEVATIONS OF POOL DECK TRENCH DRAINS.
  7. REFER TO PLUMBING PLANS FOR BUILDING UTILITY CONNECTIONS.
  8. THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION IN THE VICINITY OF TREES TO REMAIN AND IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS WORK.

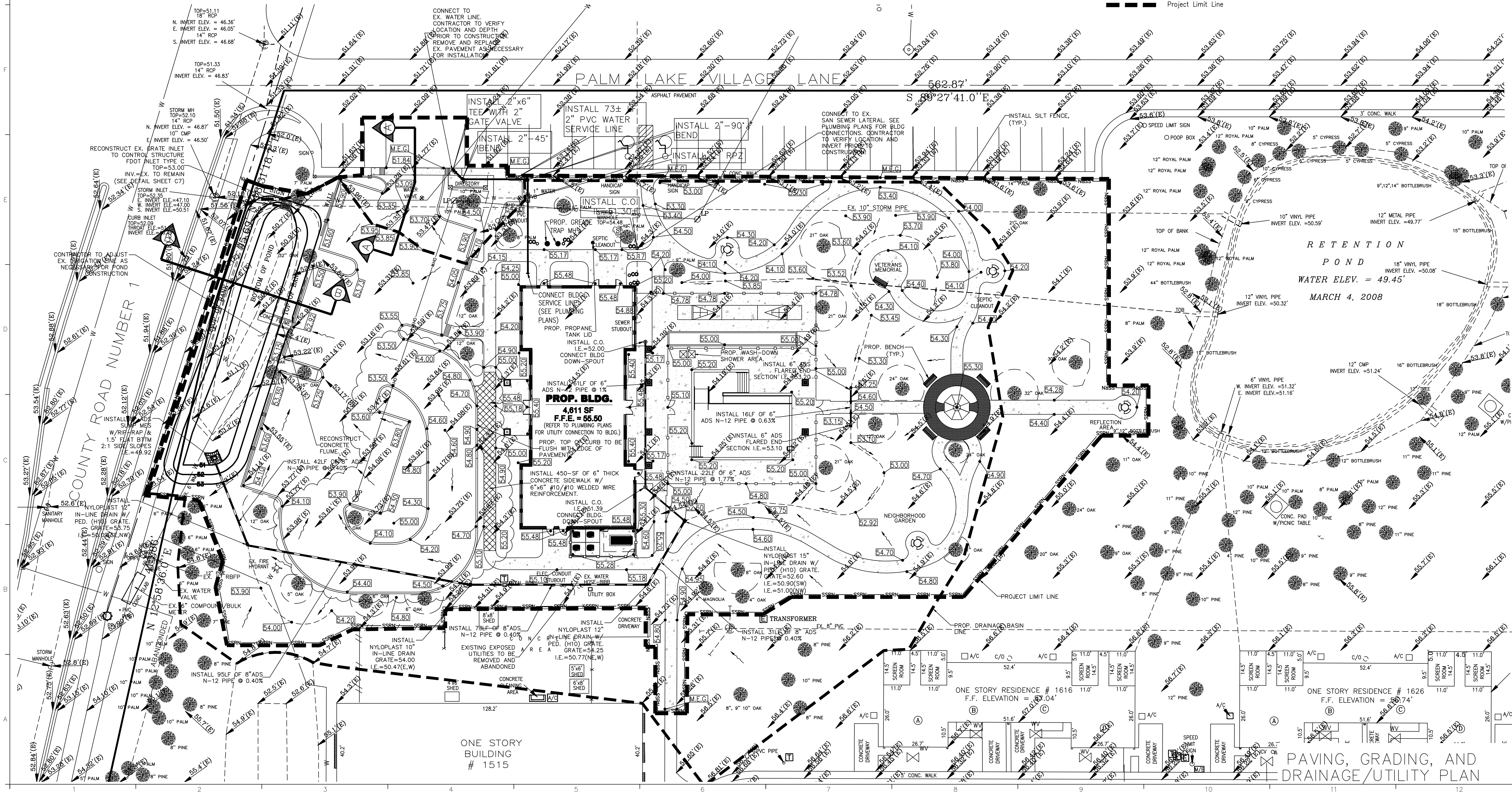
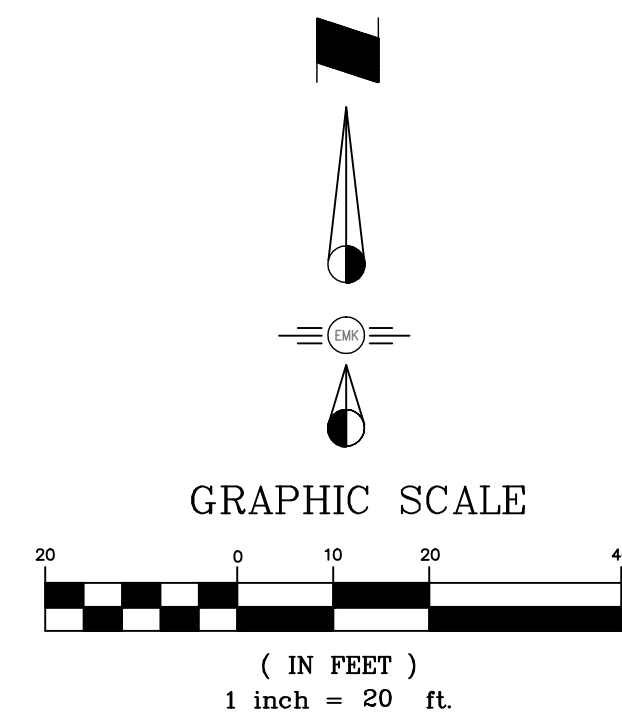


SECTION A-A  
SCALE: H: 1"=20'  
V: 1"=5'



SECTION B-B  
SCALE: H: 1"=20'  
V: 1"=5'

- LEGEND
- Ex. Sanitary Manhole and Main
  - WM Ex. Water Main
  - FM Ex. Force Main
  - Prop. Water Service
  - Prop. Sanitary Sewer Service
  - Ex. Elevation
  - Prop. Elevation
  - SSRN Prop. Silt Fence
  - Prop. Storm Pipe
  - Prop. Storm Inlet
  - Prop. Drainage Flow Direction
  - Tree Barricade
  - Prop. Drainage Basin Line
  - Project Limit Line



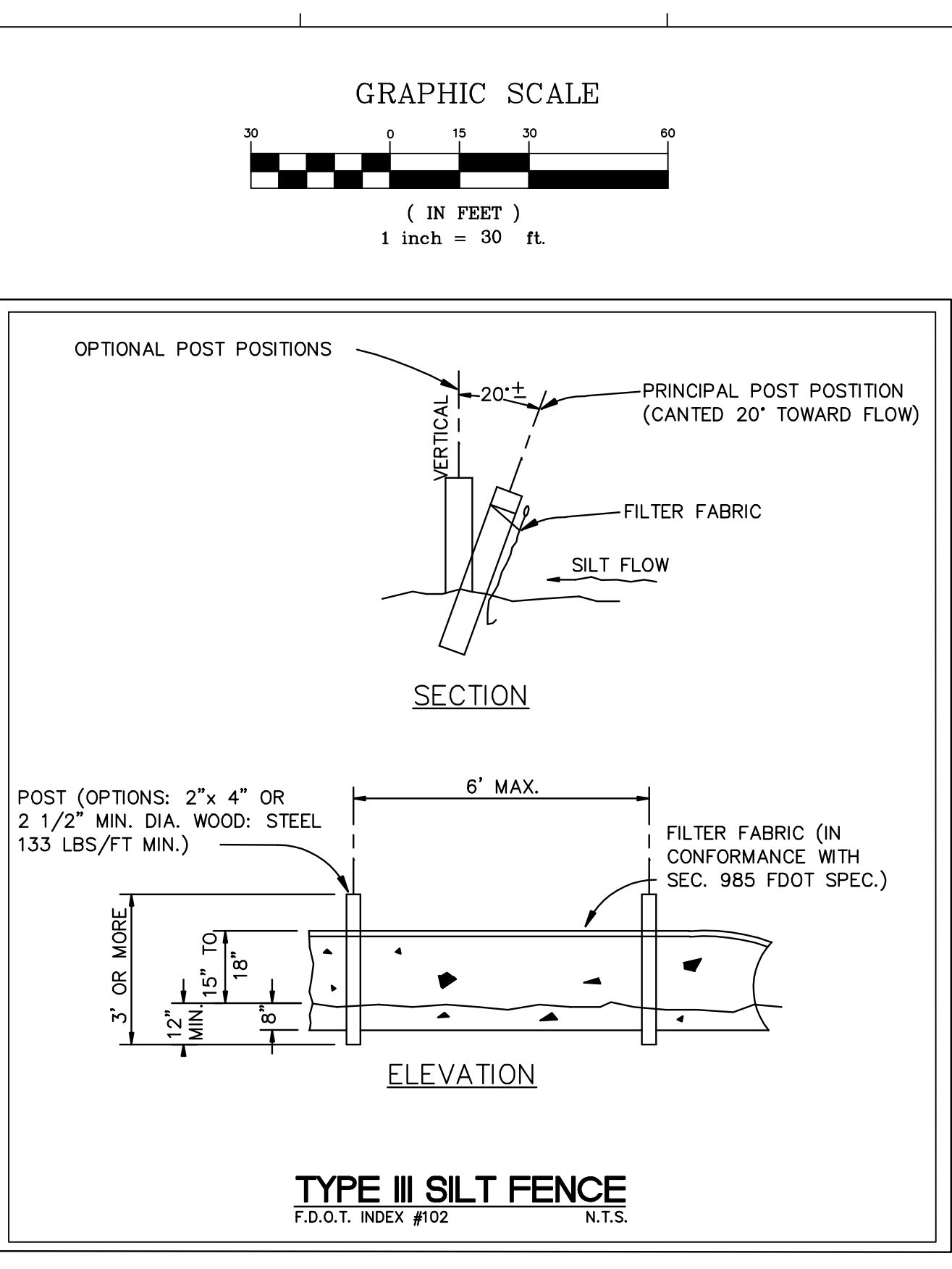
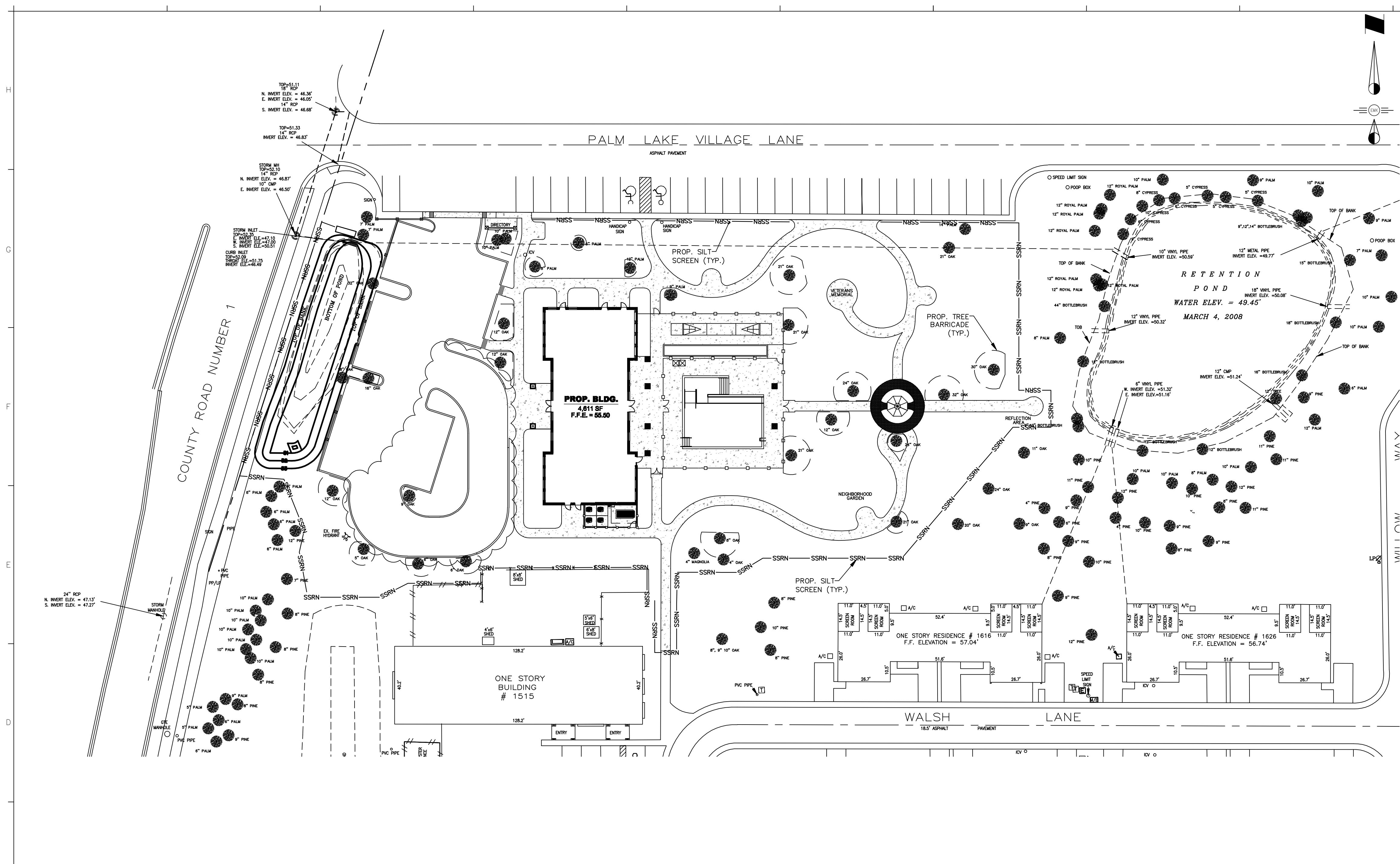
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PINELLAS COUNTY HOUSING AUTHORITY  
PALM LAKE VILLAGE  
1515 County Road 1  
DUNEDIN, FL 34698

commission number 27-52

| date     | description                       | date     | description                        |
|----------|-----------------------------------|----------|------------------------------------|
| 07/08/08 | Revised site layout per Arch.     | 07/08/08 | Revised bldg utility connections   |
| 07/10/08 | Added conc. bike rack pad         | 08/28/08 | Revised utility connections per ME |
| 09/03/08 | Revised south area of parking lot | 09/03/08 | Revised south area of parking lot  |





- GENERAL EROSION AND TURBIDITY CONTROL NOTES**
- The contractor shall be responsible for installation and maintenance of all erosion and turbidity control and the quality and quantity of offsite or wetland discharges.
  - The appropriate turbidity and erosion control methodologies selected by the contractor for this project should be made following assessment of the plans and project engineer and appropriate agencies. The contractor will be responsible for obtaining any necessary permits for such activity. Several factors to consider are listed below:
    - A. Clay content in excavated materials and/or permeability rates
    - B. Depth of cut in ponds or utility lines
    - C. Ambient ground water levels
    - D. Actual rainfall amounts and time of year, relative to normal rainy season
    - E. Proximity to wetlands, water bodies or offsite properties
    - F. "Class" designation of receiving water bodies (i.e., outstanding Florida waters, shellfish harvesting areas, etc.)
    - G. Density, type and proximity of upland vegetation to be retained during construction (for use as possible filtration areas)
    - H. Fill height relative to natural grade and length and steepness of proposed slopes
    - I. Existing topography and directions of surface flow
    - J. Type of equipment used
    - K. Project type
    - L. Duration of construction activities
    - M. Separation distance of on-site ponds
    - N. Ambient quality of surface and groundwater
    - O. Temporary stockpile locations and heights
  - At the onset of construction, the contractor, as the party responsible for implementation of the erosion and sediment control, shall assess the above described conditions and factors with respect to relative cost effectiveness and select the appropriate methods of protection. We provide a fairly extensive list of techniques below but stress that any or all of the following may be necessary to maintain water quality and quantity standards. The construction sequencing should be thought out in advance of initiation to provide adequate protection of water quality.
  - Discharges which exceed 29 N.T.U.'s over the background levels are in violation of state water quality standards. Discharges of water quantities which affect offsite properties or may damage wetlands are also prohibited by state permits.
  - The erosion and turbidity control measures shown herein are the minimum required for agency approval. Additional control and measures may be required due to the contractors construction sequence and unforeseen weather conditions. Any additional measures deemed necessary by the contractor shall be included in the lump sum bid.
  - Hay bales or silt screens shall be installed prior to land clearing to protect water quality and to identify area to be protected from clearing activities.
  - Floating turbidity barriers shall be in place in flowing systems or in open water lake edges prior to initiation of earthwork.
  - The installation of temporary erosion control barriers shall be coordinated with the construction of the permanent erosion control features to the extent necessary to assure economical, effective and continuous control of erosion and water pollution throughout the life of the construction phase.
  - The type of erosion control barriers used shall be governed by the nature of the construction operation and soil type that will be exposed. Silty and clayey material may require solid sediment barriers to prevent turbid water discharge, while sandy material may need only silt screens or hay bales to prevent erosion. Floating turbidity curtains should generally be used in open water situations. Diversion ditches or swales may be required to prevent turbid stormwater runoff from being discharged to wetlands or other water bodies. It may be warrant.
  - Where pumps are to be used to remove turbid water from construction areas, the water shall be treated prior to discharge to the wetlands. Turbid water being pumped into grassed swales or appropriate upland vegetated areas, sediment basins, or confined by an appropriate enclosure such as turbidity barriers or low berms, and kept confined until its turbidity level meets State Water Quality standards.
  - The Permittee shall schedule his operations such that the area of unprotected erodible earth exposed at any one time is not larger than the minimum area necessary for efficient construction operation, and the duration of exposed, uncompleted construction to the elements shall be as short as practicable. Clearing and grubbing shall be so scheduled and performed such that grading operations can follow immediately thereafter. Grading operations shall be so scheduled and performed that permanent erosion control features can follow immediately thereafter if conditions on the project permit.
  - Water derived from various dewatering methods should be passed through sufficiently wide areas of existing upland vegetation to filter out excess turbidity. If this is not sufficient, the water should be retained in previously constructed permanent stormwater ponds or else retained in temporary sedimentation basins until the clarity is suitable to allow for its discharge. Plugging the outfalls from completed stormwater ponds may be needed to avoid discharge. However, such situations should be monitored closely to preclude berm failure if water levels rise too high.
  - Water can be transported around the site by the use of internal swales or by pumps and pipes.
  - Sheet flow of newly filled or scraped areas may be controlled or contained by the use of brush barriers, diversion swales, interceptor ditches or low berms. Flow should be directed toward areas where sediments can be captured.
  - Exposed soils should be stabilized as soon as possible, especially slopes leading to wetlands. Stabilization methods include solid sod, seeding and mulching or hydramulching to provide a temporary or permanent grass cover, mulch blankets, sod water, etc. can be employed to provide vegetative cover.
  - Energy dissipaters (such as rip rap, a gravel bed, hay bales, etc.) shall be installed at the discharge point of pipes or swales if scouring is observed.
  - Attempt to install roadway curb and gutters as soon as possible to reduce the surface area for erosion to occur.
  - Implement storm drain inlet protection (hay bales or gravel) to limit sedimentation within the stormwater system. Perform inspections and periodic cleaning of sediments which wash out into the streets until all ground leading to them is stabilized.
  - Water discharge velocities from impounded areas and temporary sedimentation basins shall be restricted to avoid scouring in receiving areas.
  - If water clarity does not reduce to state standards rapidly enough in holding ponds, it may be possible to use chemical agents such as alum to flocculate or coagulate the sediment particles.
  - Hay bales, silt screens, or gravel beds can be added around the pipe or swale discharge points to help clarify discharges. Spreader swales may help dissipate cloudy water prior to contact with wetlands.
  - Fugitive dust controls (primarily by using water spray trucks) shall be employed as needed to control wind born emissions.
  - If the above controls remain ineffective in precluding release of turbid water, especially during pond or utility line dewatering, then the contractor must be compelled to use vertical silt curtains or other methods or sock drains to with draw groundwater which may already be clear enough to allow for direct discharge to wetlands. Due to the comparatively high cost of this method, it is expected that it will be reserved for use as a last resort.
  - Ongoing inspections and periodic maintenance by the contractor shall occur throughout construction as necessary to insure the above methods are working suitable. This may be needed as often as daily if conditions so warrant.

**EARTHWORK NOTES**

- The contractor shall install silt fence and tree barricades as shown on construction plans. City of Dunedin shall be contacted to inspect silt fence and tree barricades prior to commencement of work.
- Upon issuance of Clearing Permit, contractor shall remove and dispose of trees called for such on plans. All ground vegetation and topsoil within the limits of construction shall be removed. Any unsuitable material encountered shall be removed to the satisfaction of the geotechnical engineer. All topsoil removed from the building and pavement areas shall be stockpiled and used later in landscaped areas. All organic soils/debris should be removed, see organic soils removal notes.
- After clearing operations, the exposed subgrade should be evaluated and proofrolled as directed by the geotechnical engineer. Observation should be made to identify any areas of yielding soils that may require over excavation and replacement, as determined by the geotechnical engineer.
- The contractor is hereby directed to Geotechnical Investigation. Recommendations of these investigations shall be made a part of the contract requirements unless otherwise directed by Owner.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Pinellas County Housing Authority

**EROSION CONTROL PLAN**

**STORMWATER POLLUTION PREVENTION PLAN**

Contained on these plans and within the following notes is a Stormwater Pollution Prevention Plan (SWPPP) which has been developed by EMK Consultants of Florida, Inc. in accordance with the Florida Department of Environmental Protection's (FDEP) "Generic Permit For Stormwater Discharge from Construction Activities That Disturb Five or More Acres of Land". The aforementioned Generic Permit constitutes authorization to discharge stormwater associated with industrial activity to surface waters under the EPA's "National Pollutant Discharge Elimination System" (NPDES).

The following entities are identified as team members of SWPPP: EMK Consultants of Florida, Inc., the Developer as identified on the cover sheet of these plans, and the site contractor and his sub-contractors. Each team member has specific responsibilities and obligations. In general, all team members, with regard to their involvement and responsibilities on the project, are to implement all necessary stormwater management controls to assure compliance with the FDEP Generic Permit For Stormwater Discharge from Construction Activities That Disturb Five or More Acres of Land, the Southwest Florida Water Management District Permit and the guidelines listed in the SWPPP. The duties and responsibilities of the team members as they pertain to the SWPPP are as follows:

- Develop Stormwater Pollution Prevention Plan (SWPPP) including, but not limited to, retention/detention ponds, control structures, erosion control methods and locations and stabilization criteria). This design is included within these construction plans and the following notes and instructions.
- Submit and obtain the necessary design related stormwater permits from the Florida Department of Environmental Protection, the Southwest Florida Water Management District and other applicable governmental bodies.
- Upon notification by the developer of his intent to commence construction, submit a Notice of Intent to the Department of Environmental Protection on behalf of the developer, along with the Certification of the Stormwater Pollution Prevention Plan. Also, submit the SWFMD permit number or completeness letter if the permit number is not yet available. This submittal will be made no later than 48 hours prior to beginning of construction.
- Submit to SWFMD and the operator of the municipal separate stormwater system, if applicable, a copy of the Notice of Intent.
- Complete and submit a Notice of Termination. The NOT shall be submitted no more than 14 days after completion of the project and final stabilization as defined by FDEP is when all soil disturbing activities at the site have been completed and uniform (e.g. evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 % of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures. As an alternative, equivalent permanent stabilization measures (such as rip rap, gabions, or geotextiles) may be employed. The contractor shall notify EMK Consultants of Florida, Inc. when this criteria is met.

**Contractor**

- During construction, assure compliance with the designed Stormwater Pollution Prevention Plans prepared by EMK Consultants of Florida, Inc. and the FDEP Generic Permit For Stormwater Discharge from Construction Activities That Disturb Five or More Acres of Land.
- Maintain a copy of the construction plans, which include the Stormwater Pollution Prevention Plan, the NOI and all inspection reports and certifications on site.
- Undertake all reasonable Best Management Practices (BMP's) to assure that silted or otherwise polluted stormwater is not allowed to discharge from the site during all phases of construction. Stabilization BMP's that may be used include: temporary or permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees and preservation of mature vegetation. Structural erosion and sediment control BMP's that may be used include: straw bale dikes, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drain, pipe slope drain, level spreaders, storm drain inlet protection, outlet protection, sediment traps, and temporary sediment basins. Detention ponds shall be used as temporary sediment basins. Additional BMP's that may need to be implemented include: Provide protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials; Providing waste receptacles at convenient locations and provide regular collection of wastes, including building material wastes; Minimizing off-site tracking of sediments; Making adequate preparations, including training and equipment to contain spills of oil and hazardous materials; Complying with applicable state or local waste disposal, sanitary sewer or septic system regulations and the use of appropriate pollution prevention measures for allowable non-storm water components of discharge.
- Notify EMK Consultants of Florida, Inc. and the developer in writing of any non-storm water pollution sources which are being stored, or otherwise used during the construction of the project, i.e., fertilizers, fuels, pesticides, other chemicals. This notification should be accompanied with the contractor's design and methods to prevent pollution run-off from these sources.
- Develop a maintenance and inspection plan which includes, but is not limited to the following:
  - The specific areas to be inspected and maintained that includes all the disturbed areas and material storage areas of the site.
  - The erosion and sediment controls identified in the SWPPP to be maintained and inspected and those additional controls which the contractor deems necessary.
  - Maintenance procedures.
  - The procedure to follow if additional work is required or whom to call.
  - Inspections and maintenance tasks.
- The personnel assigned to each task.

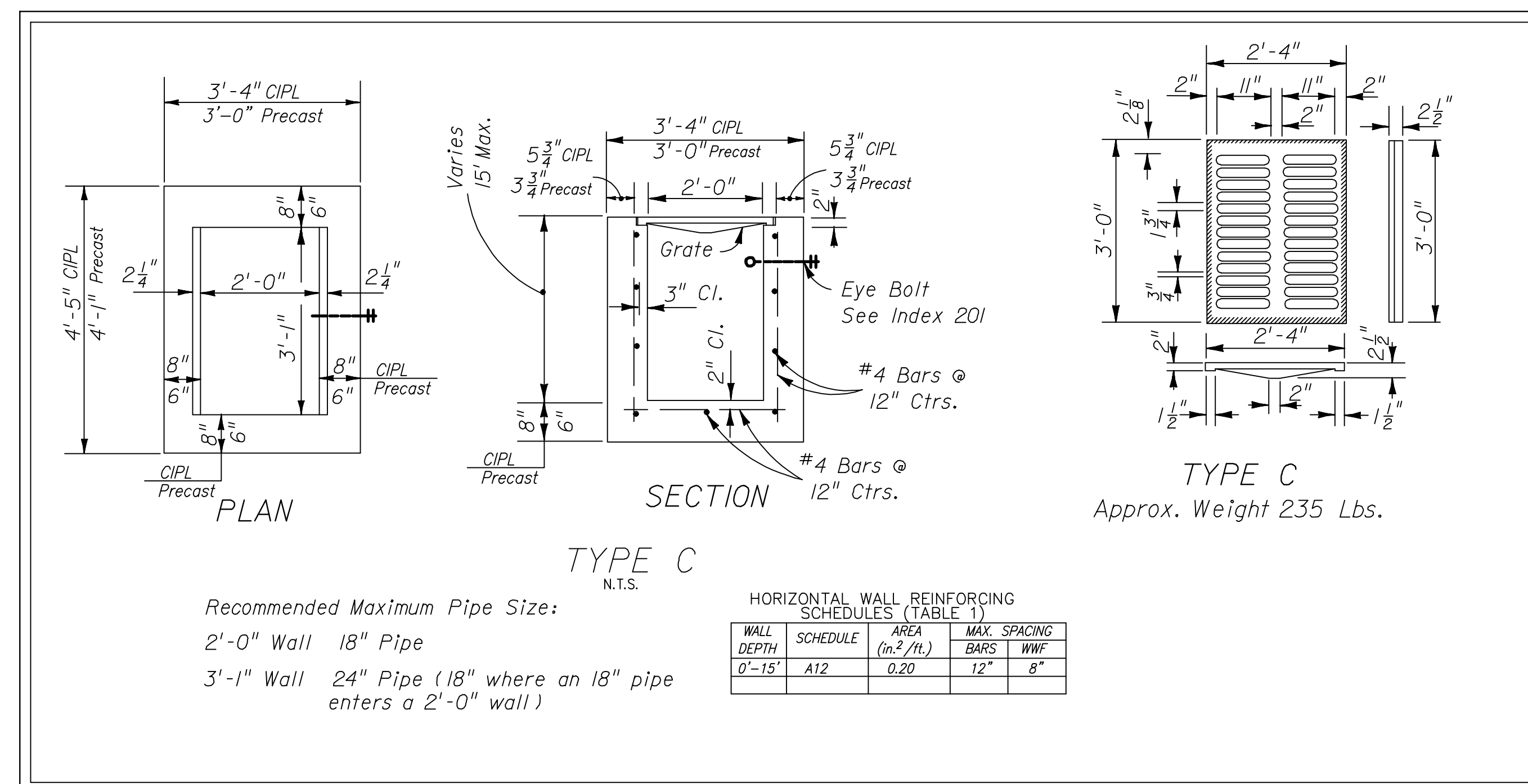
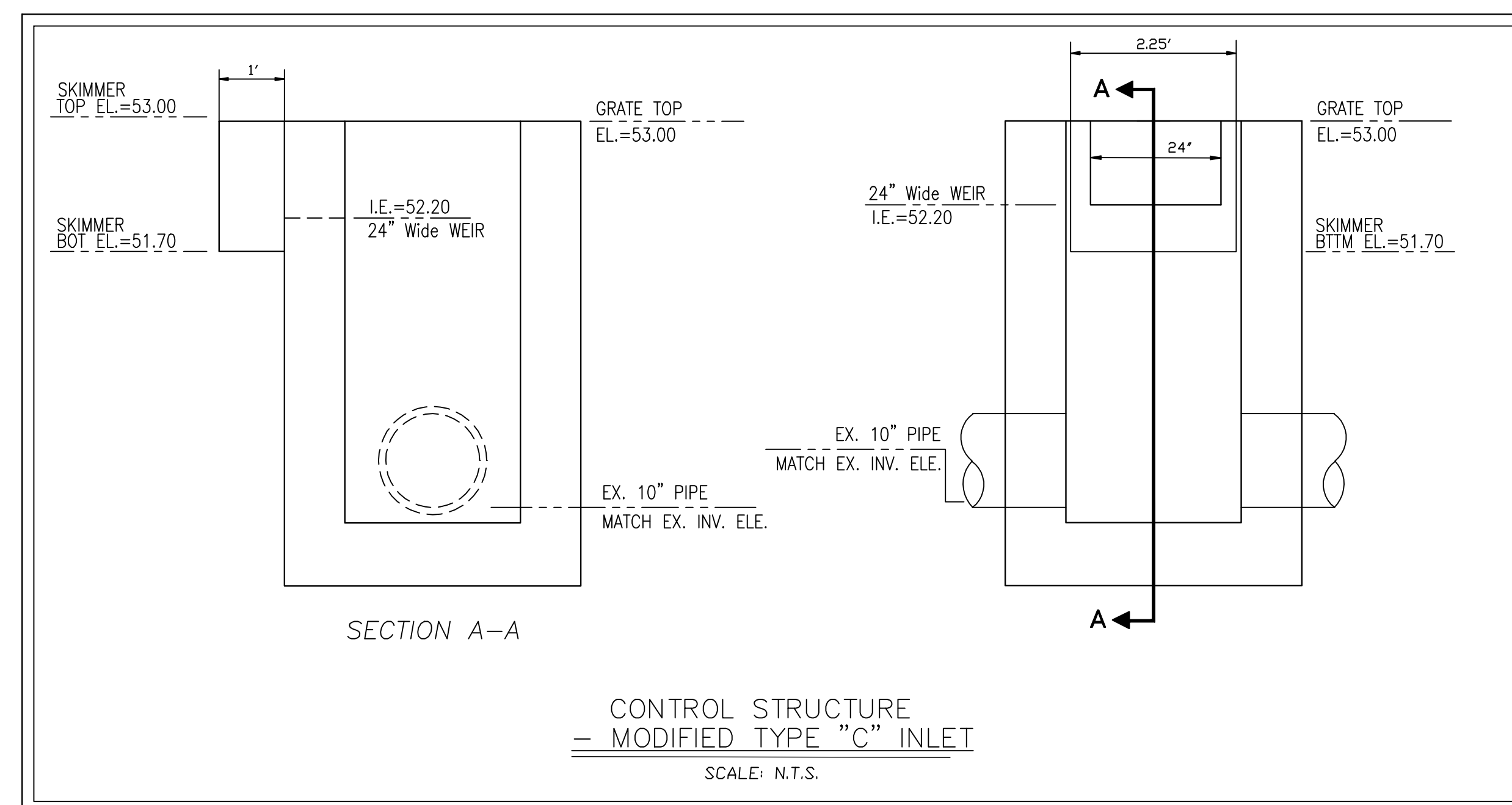
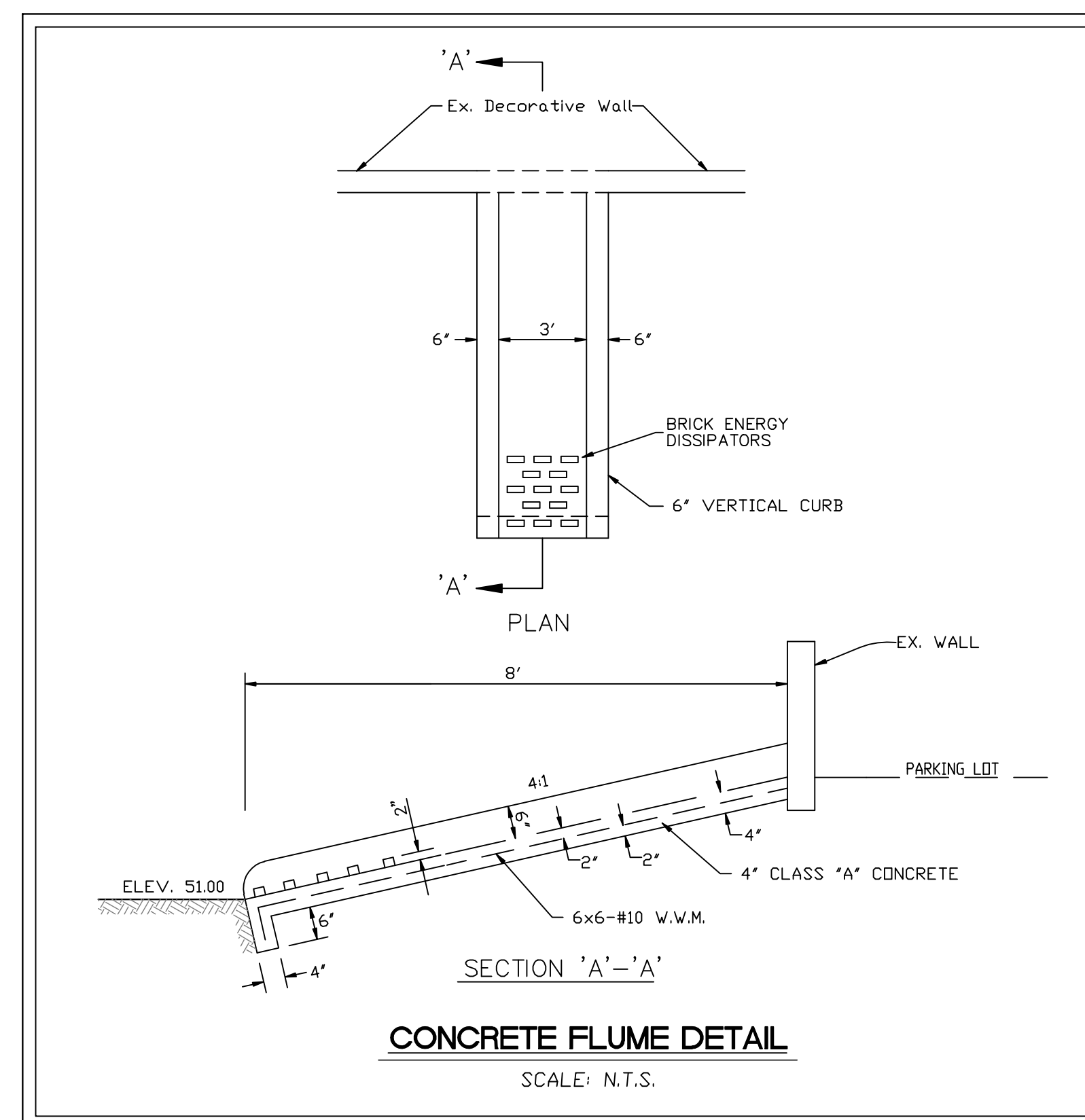
The following shall be inspected a minimum of once a week or within 24 hours after 0.25 inches of rainfall: Stabilization measures (once a month if fully stabilized). Structural controls. Discharge points. Construction entrances and exits. Areas used for storage of exposed materials.

An inspection form shall be completed for each inspection. Any permit violations should be noted and corrective measures to be taken shall be noted. If revisions to the SWPPP are needed, a report form for changes in the SWPPP shall be completed and a copy sent to EMK Consultants of Florida, Inc. The original shall be kept on-site as documentation of the change. If the inspection passes, a certification that the facility is in compliance with the SWPPP and the Generic Permit must be signed by one of the following:

The principal executive officer or ranking elected official of the operator of the SWPPP.

A duly authorized representative of the principal executive official of the operator of the SWPPP.Retain inspection reports and certifications for at least three years.
- Initiate site stabilization measures no more than 14 days after construction activities have temporarily or permanently ceased on any major portion of the site except when construction will resume within 21 days.
- Sign and submit to EMK Consultants of Florida, Inc. certification that construction and final stabilization as defined under Part E of the EMK Consultants of Florida, Inc. section of the SWPPP has been completed so that EMK may submit the NOT.
- The contractor is responsible for implementation of all measures identified in the SWPPP and shall sign the following certification statement before conducting any professional service identified in the SWPPP: I certify under penalty of law that I understand the terms and conditions of the generic stormwater permit issued pursuant to Section 403.0885, F.S., that authorizes the stormwater discharges associated with industrial activity from the construction site identified as part of this certification.



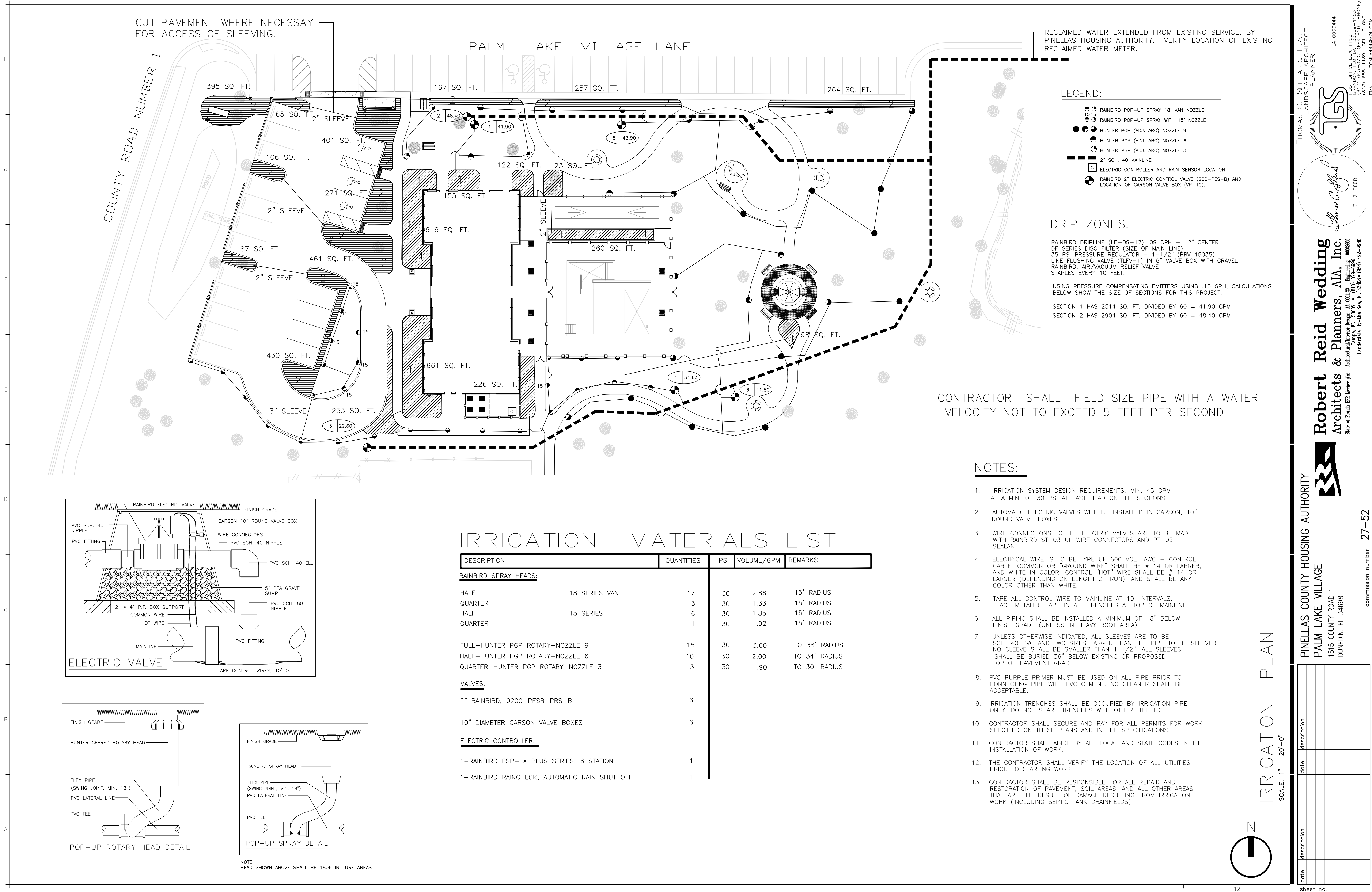


| HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1) |          |                              |              |     |
|-------------------------------------------------|----------|------------------------------|--------------|-----|
| WALL DEPTH                                      | SCHEDULE | AREA (in. <sup>2</sup> /ft.) | MAX. SPACING |     |
|                                                 |          |                              | BARS         | WWF |
| 0'-15'                                          | A12      | 0.20                         | 12"          | 8"  |
|                                                 |          |                              |              |     |









- LEGEND:**
- RAINBIRD POP-UP SPRAY 18" VAN NOZZLE
  - RAINBIRD POP-UP SPRAY WITH 15' NOZZLE
  - HUNTER PGP (ADJ. ARC) NOZZLE 9
  - HUNTER PGP (ADJ. ARC) NOZZLE 6
  - HUNTER PGP (ADJ. ARC) NOZZLE 3
  - 2" SCH. 40 MAINLINE
  - ELECTRIC CONTROLLER AND RAIN SENSOR LOCATION
  - RAINBIRD 2" ELECTRIC CONTROL VALVE (200-PES-B) AND LOCATION OF CARSON VALVE BOX (VP-10).

**DRIP ZONES:**

RAINBIRD DRIPLINE (LD-09-12) .09 GPH - 12" CENTER  
DF SERIES DISC FILTER (SIZE OF MAIN LINE)  
35 PSI PRESSURE REGULATOR - 1-1/2" (PRV 15035)  
LINE FLUSHING VALVE (TLFV-1) IN 6" VALVE BOX WITH GRAVEL  
RAINBIRD, AIR/VACUUM RELIEF VALVE  
STAPLES EVERY 10 FEET.

USING PRESSURE COMPENSATING EMITTERS USING .10 GPH, CALCULATIONS BELOW SHOW THE SIZE OF SECTIONS FOR THIS PROJECT.

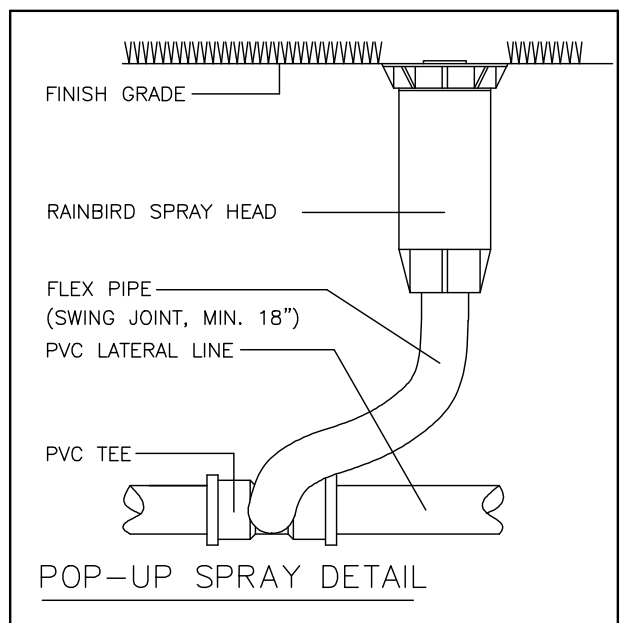
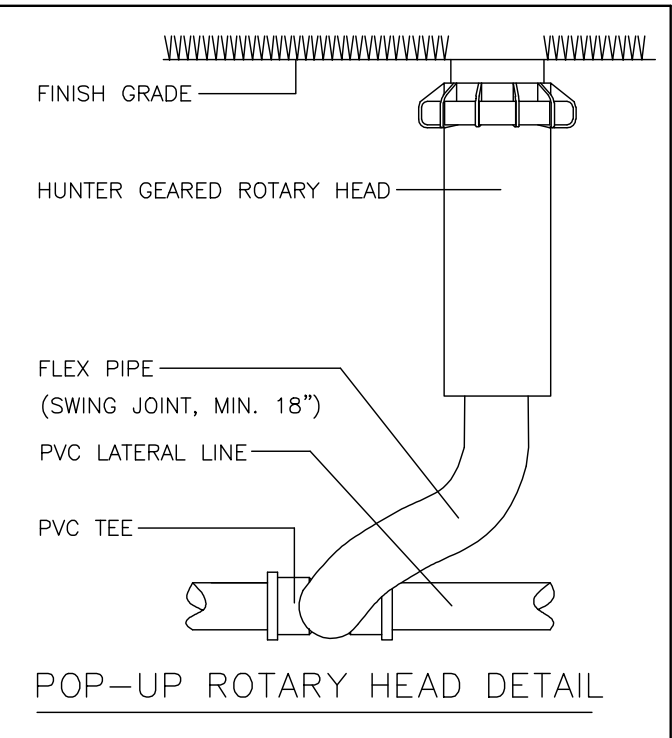
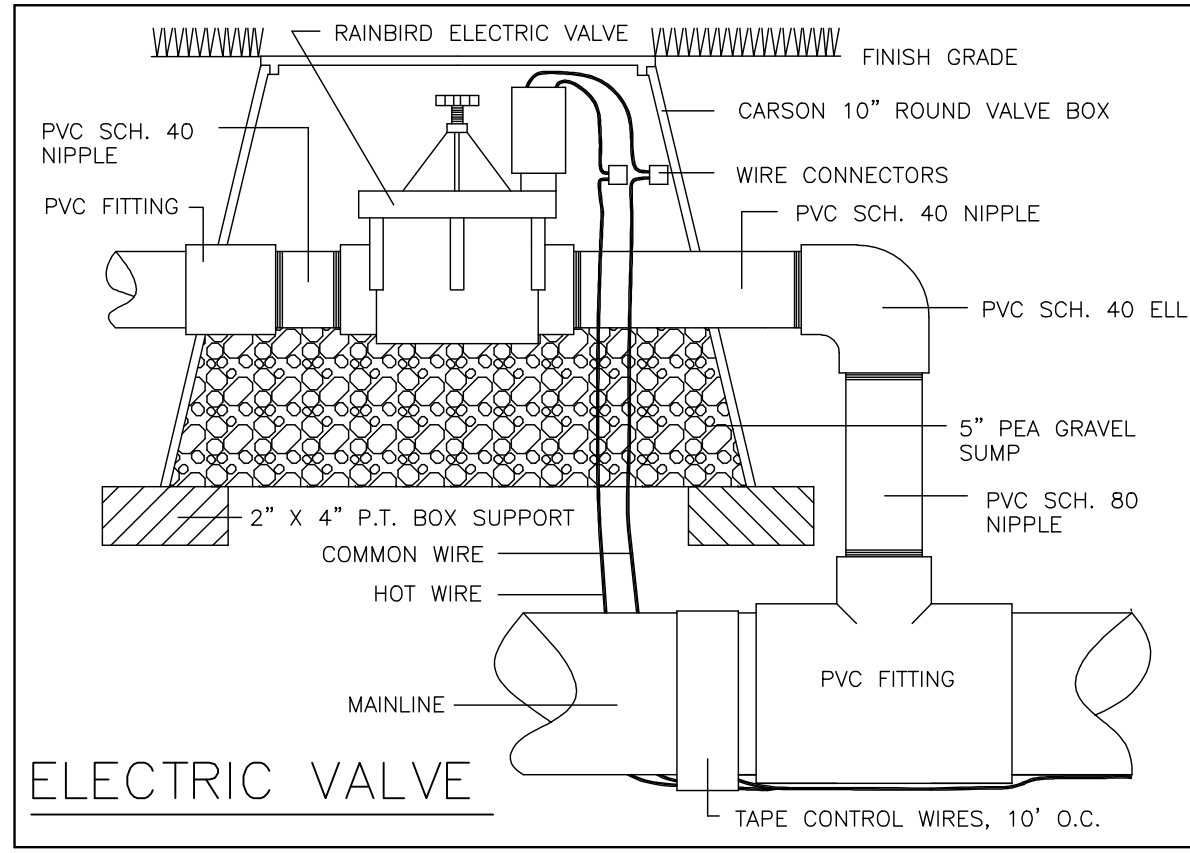
SECTION 1 HAS 2514 SQ. FT. DIVIDED BY 60 = 41.90 GPM  
SECTION 2 HAS 2904 SQ. FT. DIVIDED BY 60 = 48.40 GPM

CONTRACTOR SHALL FIELD SIZE PIPE WITH A WATER VELOCITY NOT TO EXCEED 5 FEET PER SECOND

- NOTES:**
- IRRIGATION SYSTEM DESIGN REQUIREMENTS: MIN. 45 GPM AT A MIN. OF 30 PSI AT LAST HEAD ON THE SECTIONS.
  - AUTOMATIC ELECTRIC VALVES WILL BE INSTALLED IN CARSON, 10" ROUND VALVE BOXES.
  - WIRE CONNECTIONS TO THE ELECTRIC VALVES ARE TO BE MADE WITH RAINBIRD ST-03 UL WIRE CONNECTORS AND PT-05 SEALANT.
  - ELECTRICAL WIRE IS TO BE TYPE UF 600 VOLT AWG - CONTROL CABLE, COMMON OR "GROUND WIRE" SHALL BE # 14 OR LARGER, AND WHITE IN COLOR. CONTROL "HOT" WIRE SHALL BE # 14 OR LARGER (DEPENDING ON LENGTH OF RUN), AND SHALL BE ANY COLOR OTHER THAN WHITE.
  - TAPE ALL CONTROL WIRE TO MAINLINE AT 10' INTERVALS. PLACE METALLIC TAPE IN ALL TRENCHES AT TOP OF MAINLINE.
  - ALL PIPING SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISH GRADE (UNLESS IN HEAVY ROOT AREA).
  - UNLESS OTHERWISE INDICATED, ALL SLEEVES ARE TO BE SCH. 40 PVC AND TWO SIZES LARGER THAN THE PIPE TO BE SLEEVED. NO SLEEVE SHALL BE SMALLER THAN 1 1/2". ALL SLEEVES SHALL BE BURIED 36" BELOW EXISTING OR PROPOSED TOP OF PAVEMENT GRADE.
  - PVC PURPLE PRIMER MUST BE USED ON ALL PIPE PRIOR TO CONNECTING PIPE WITH PVC CEMENT. NO CLEANER SHALL BE ACCEPTABLE.
  - IRRIGATION TRENCHES SHALL BE OCCUPIED BY IRRIGATION PIPE ONLY. DO NOT SHARE TRENCHES WITH OTHER UTILITIES.
  - CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS FOR WORK SPECIFIED ON THESE PLANS AND IN THE SPECIFICATIONS.
  - CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE CODES IN THE INSTALLATION OF WORK.
  - THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO STARTING WORK.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIR AND RESTORATION OF PAVEMENT, SOIL AREAS, AND ALL OTHER AREAS THAT ARE THE RESULT OF DAMAGE RESULTING FROM IRRIGATION WORK (INCLUDING SEPTIC TANK DRAINFIELDS).

### IRRIGATION MATERIALS LIST

| DESCRIPTION                                   | QUANTITIES | PSI | VOLUME/GPM | REMARKS       |
|-----------------------------------------------|------------|-----|------------|---------------|
| <b>RAINBIRD SPRAY HEADS:</b>                  |            |     |            |               |
| HALF 18 SERIES VAN                            | 17         | 30  | 2.66       | 15' RADIUS    |
| QUARTER                                       | 3          | 30  | 1.33       | 15' RADIUS    |
| HALF 15 SERIES                                | 6          | 30  | 1.85       | 15' RADIUS    |
| QUARTER                                       | 1          | 30  | .92        | 15' RADIUS    |
| FULL-HUNTER PGP ROTARY-NOZZLE 9               | 15         | 30  | 3.60       | TO 38' RADIUS |
| HALF-HUNTER PGP ROTARY-NOZZLE 6               | 10         | 30  | 2.00       | TO 34' RADIUS |
| QUARTER-HUNTER PGP ROTARY-NOZZLE 3            | 3          | 30  | .90        | TO 30' RADIUS |
| <b>VALVES:</b>                                |            |     |            |               |
| 2" RAINBIRD, 0200-PESB-PRS-B                  | 6          |     |            |               |
| <b>10" DIAMETER CARSON VALVE BOXES</b>        |            |     |            |               |
|                                               | 6          |     |            |               |
| <b>ELECTRIC CONTROLLER:</b>                   |            |     |            |               |
| 1-RAINBIRD ESP-LX PLUS SERIES, 6 STATION      | 1          |     |            |               |
| 1-RAINBIRD RAINCHECK, AUTOMATIC RAIN SHUT OFF | 1          |     |            |               |



NOTE:  
HEAD SHOWN ABOVE SHALL BE 1806 IN TURF AREAS

THOMAS G. SHEPARD, L.A.  
LANDSCAPE ARCHITECT  
PLANNER

LA 000444

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State of Florida BPR License #2

PINELLAS COUNTY HOUSING AUTHORITY

PALM LAKE VILLAGE

1515 COUNTY ROAD 1  
DUNEDIN, FL 34698

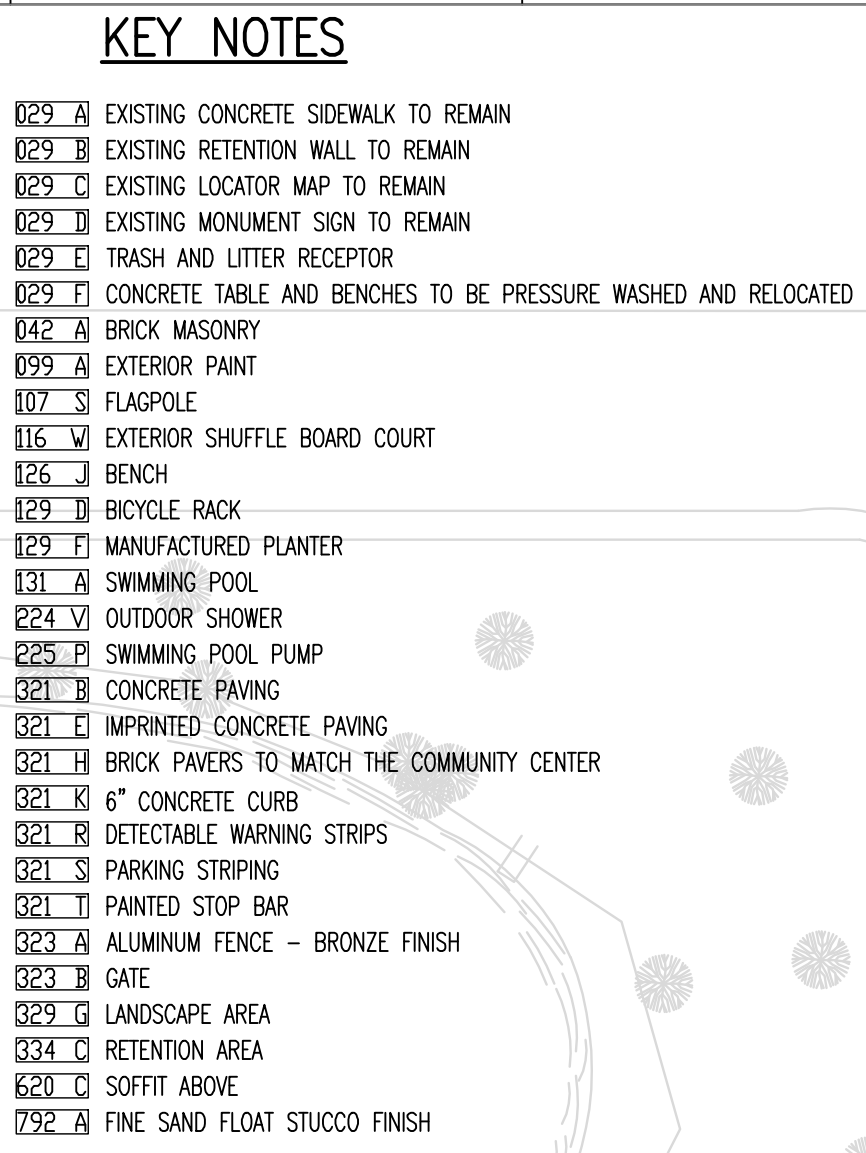
commission number

27-52

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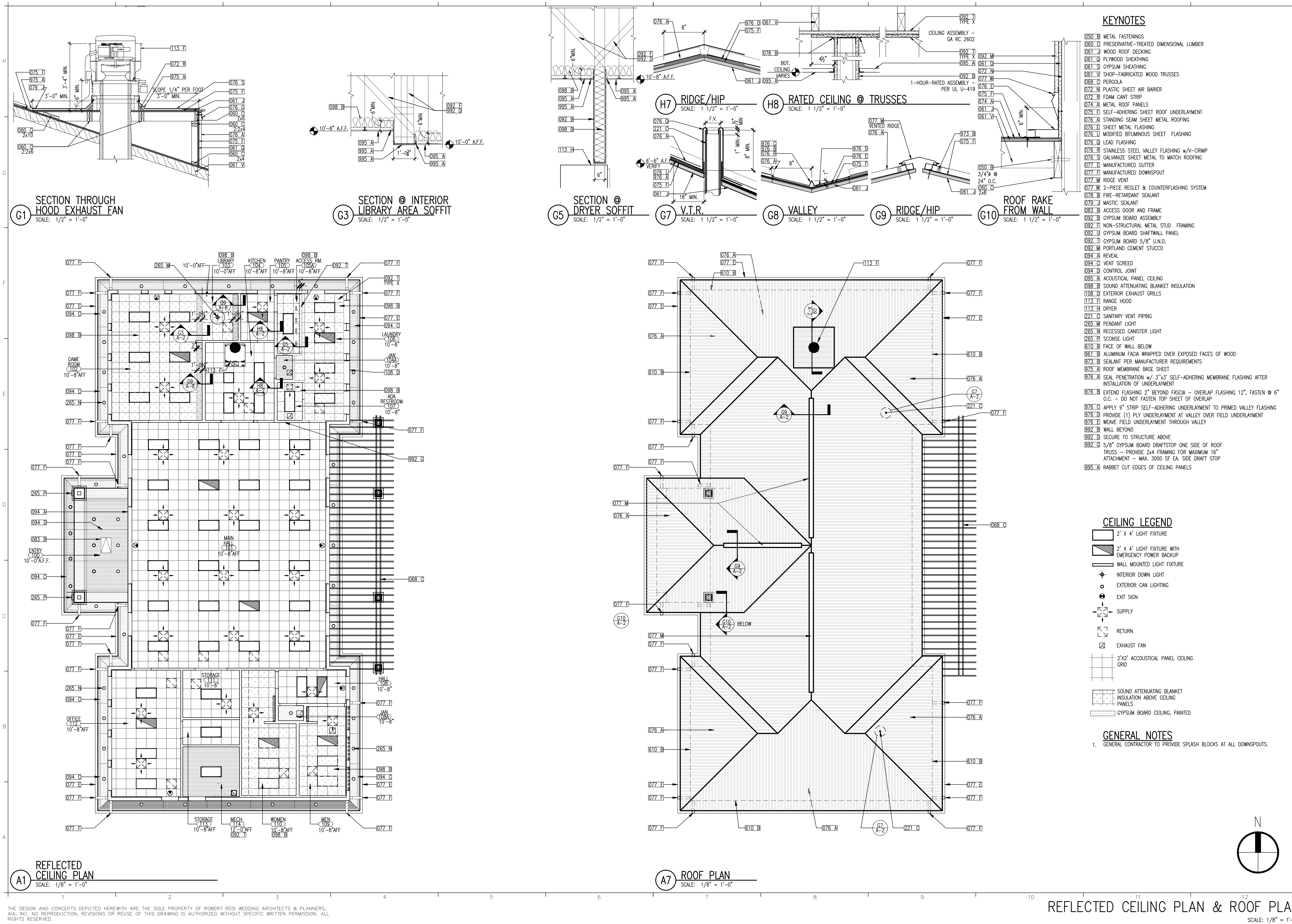
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|           | 03 JUL Y08 | FINAL DRAWINGS |      |             |
|           |            |                |      |             |
|           |            |                |      |             |
|           |            |                |      |             |
|           |            |                |      |             |

AS-1









consultant

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PINELLAS COUNTY HOUSING AUTHORITY

PALM LAKE VILLAGE

1515 COUNTY ROAD 1  
DUNEDIN, FL 34698

commission number

27-52

date

description

03JULY08

FINAL DRAWINGS

04SEP08

REV. 1 BLDG COMM. CORRECTIONS

sheet no.

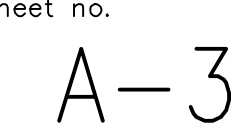
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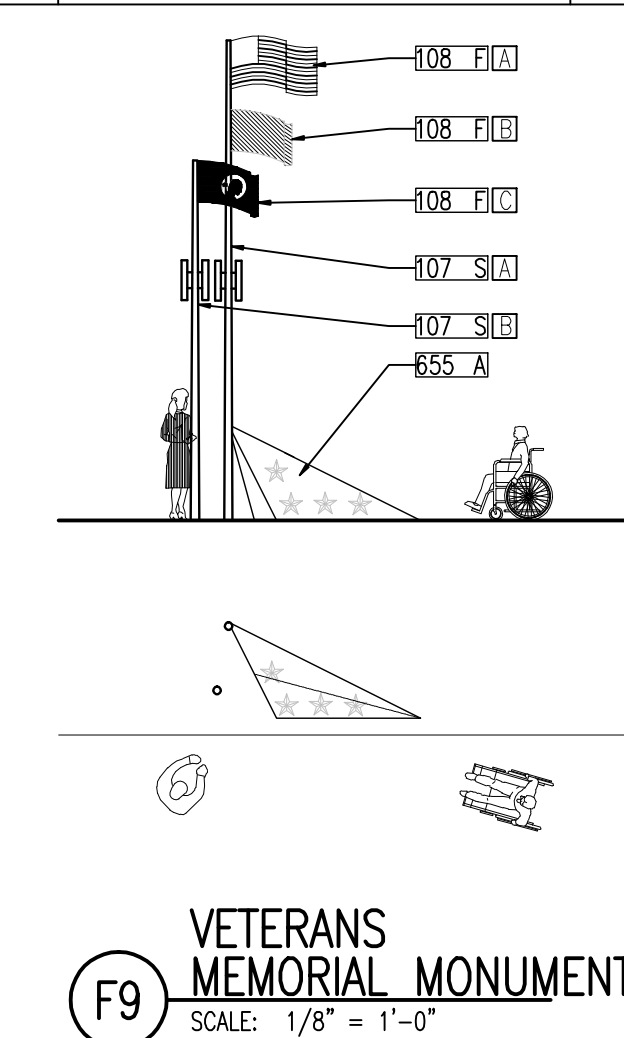
REFLECTED CEILING PLAN & ROOF PLAN

SCALE: 1/8" = 1'-0"

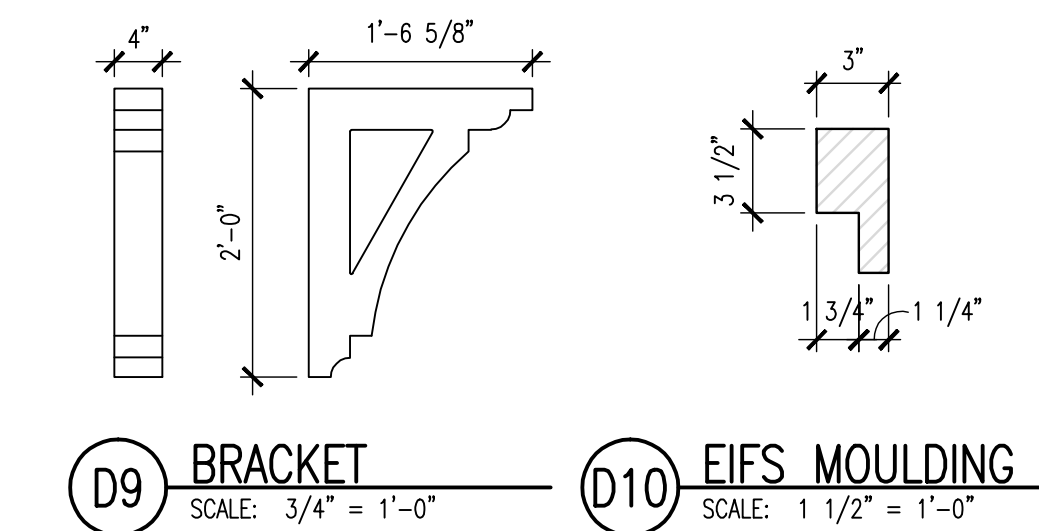




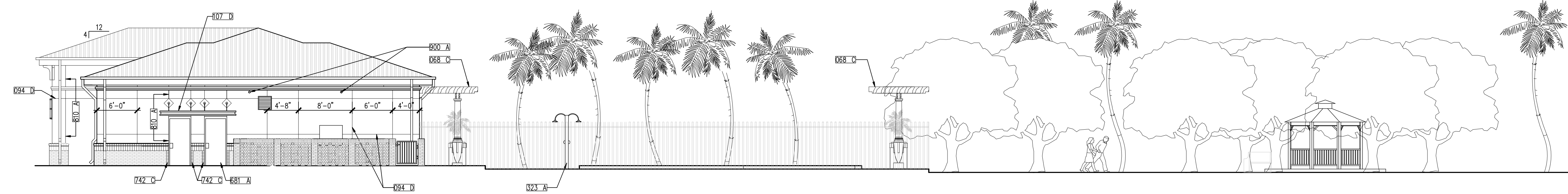




- consultant
- drawn by:



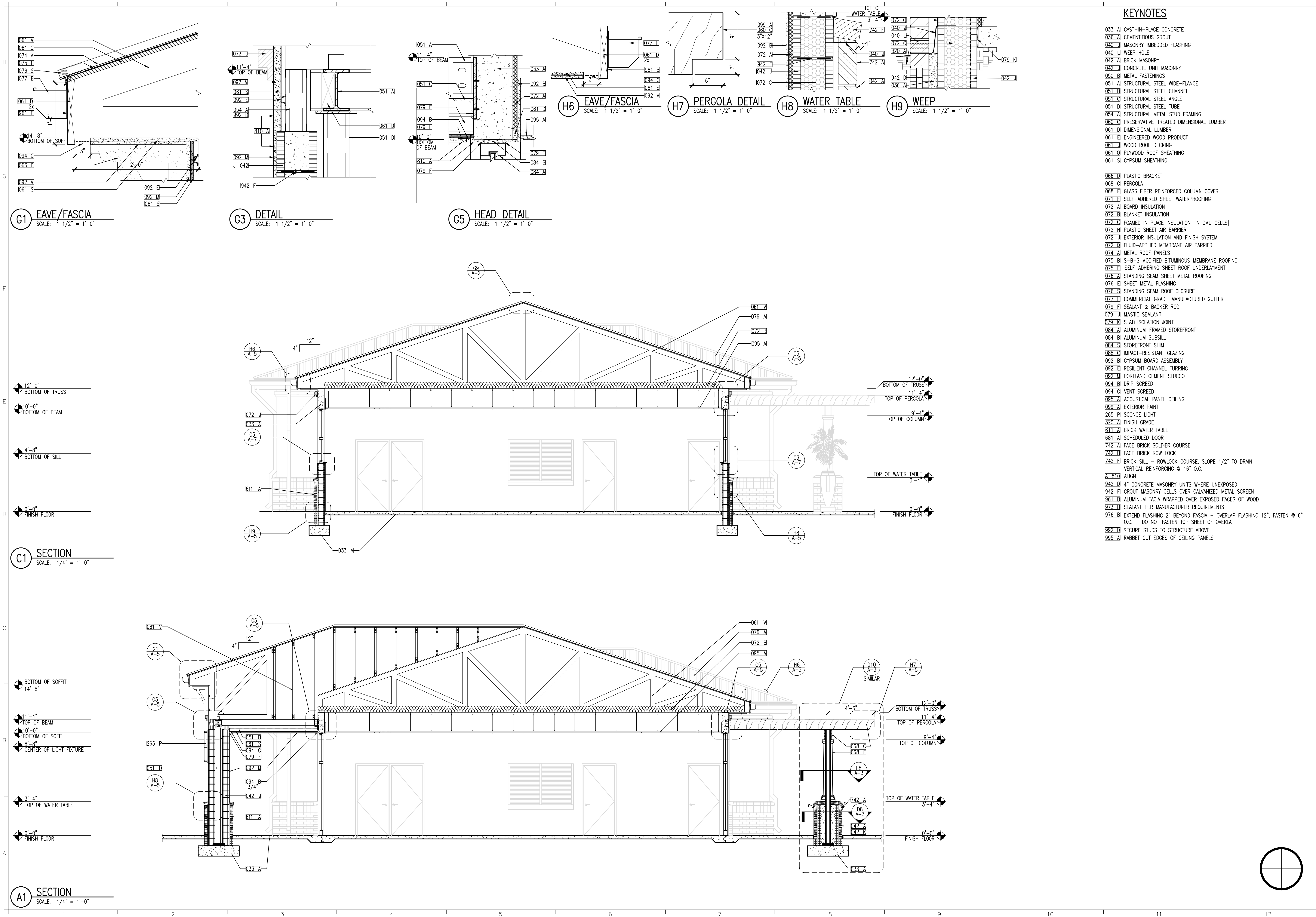
- C10 MEMORIAL PLAQUE  
SCALE: NTS



- A1** SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"

[illegible]





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BUILDING SECTIONS  
SCALE: AS NOTED

A-5

PINELLAS COUNTY HOUSING AUTHORITY

PALM LAKE VILLAGE

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DUNEDIN, FL 34698

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221 Commercial Blvd. • Suite 202 • Lauderdale By-the Sea, FL 33308 • (954) 492-9890

consultant

commission number 27-52

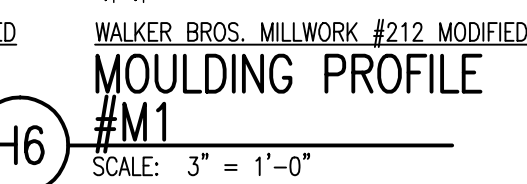
drawn by:



0088 C IMPACT RESISTANT GLAZING  
0092 B GYPSUM BOARD ASSEMBLY  
0092 F RESILIENT CHANNEL Furring  
0092 M PORTLAND CEMENT STUCCO  
0095 A ACOUSTICAL PANEL CEILING  
681 A SCHEDULED DOOR  
742 A FACE BRICK SOLDIER COURSE  
972 A ALUMINUM PAN FLASHING TO MATCH STORE FRONT  
984 B ALUMINUM DOOR STOP  
985 A RABBIT CUT EDGES OF CEILING PANELS

Figure 1: A line graph showing the number of cases of COVID-19 in the United States from March 2020 to March 2021. The x-axis represents time in months, with labels for March 2020, May 2020, July 2020, September 2020, November 2020, January 2021, March 2021, and May 2021. The y-axis represents the number of cases, with labels from 0 to 10,000,000 in increments of 100,000. The graph shows a sharp increase in cases starting in March 2020, peaking in May 2020 at approximately 1,000,000 cases, followed by a decline and then a second, larger peak in March 2021 at approximately 2,000,000 cases. The data points are connected by a solid line, and the area under the line is shaded in light blue.



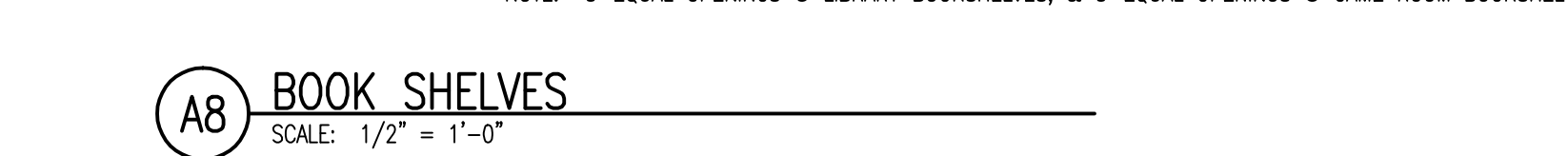
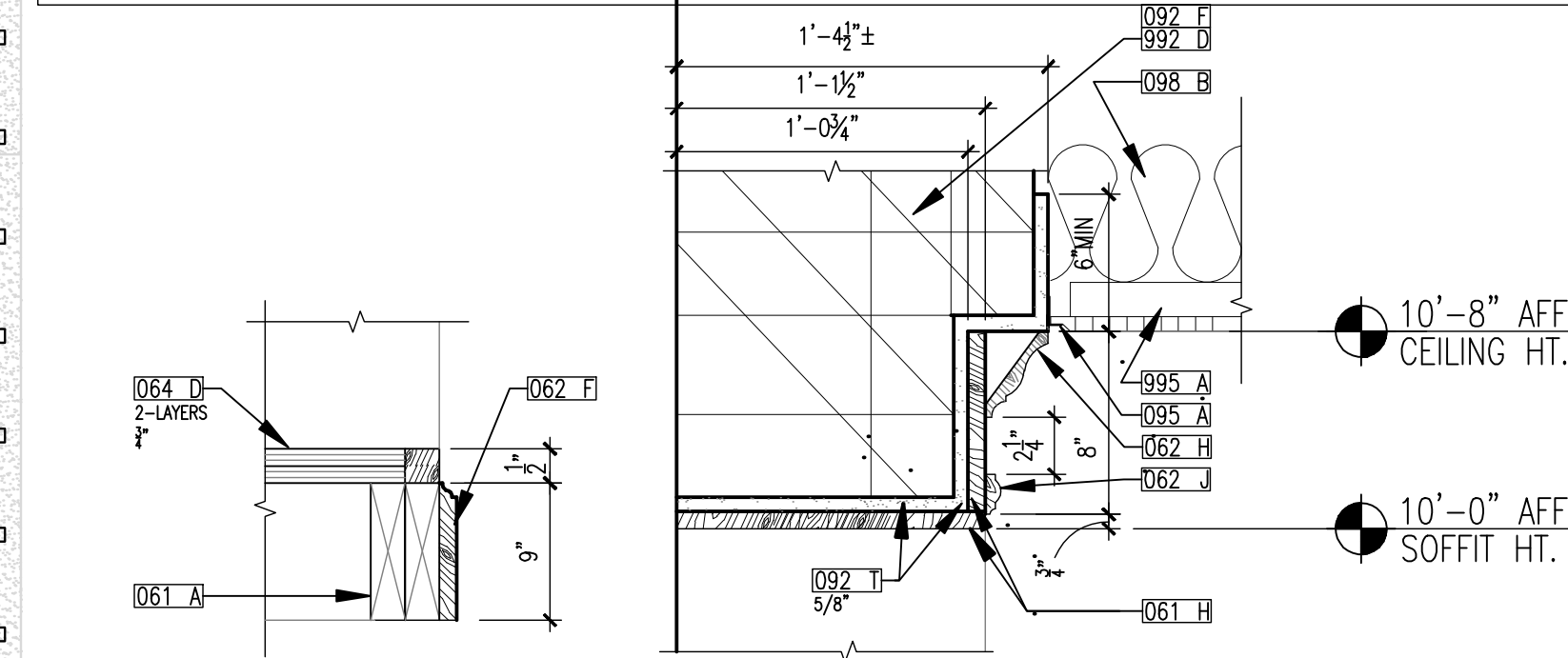


## FINISH SCHEDULE NOTES:

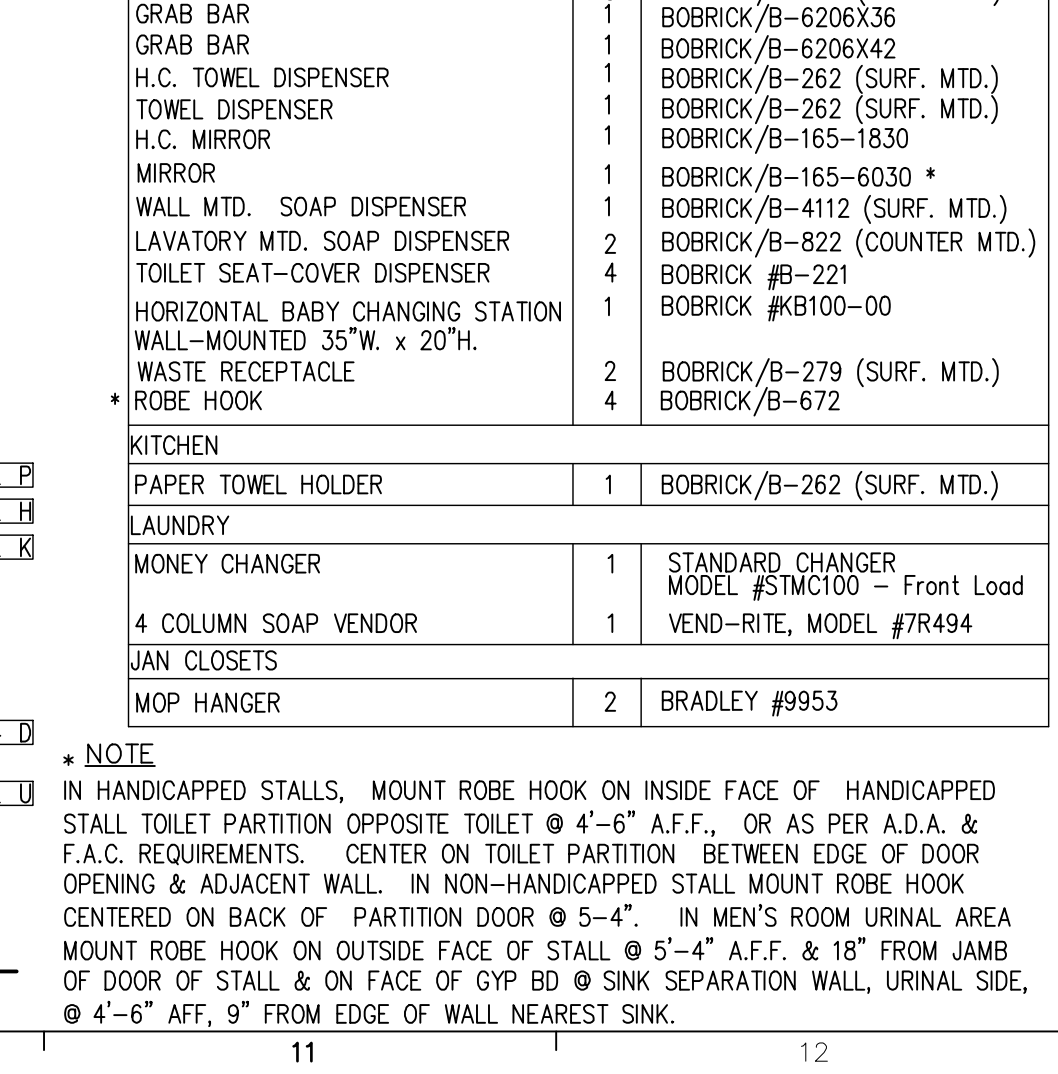
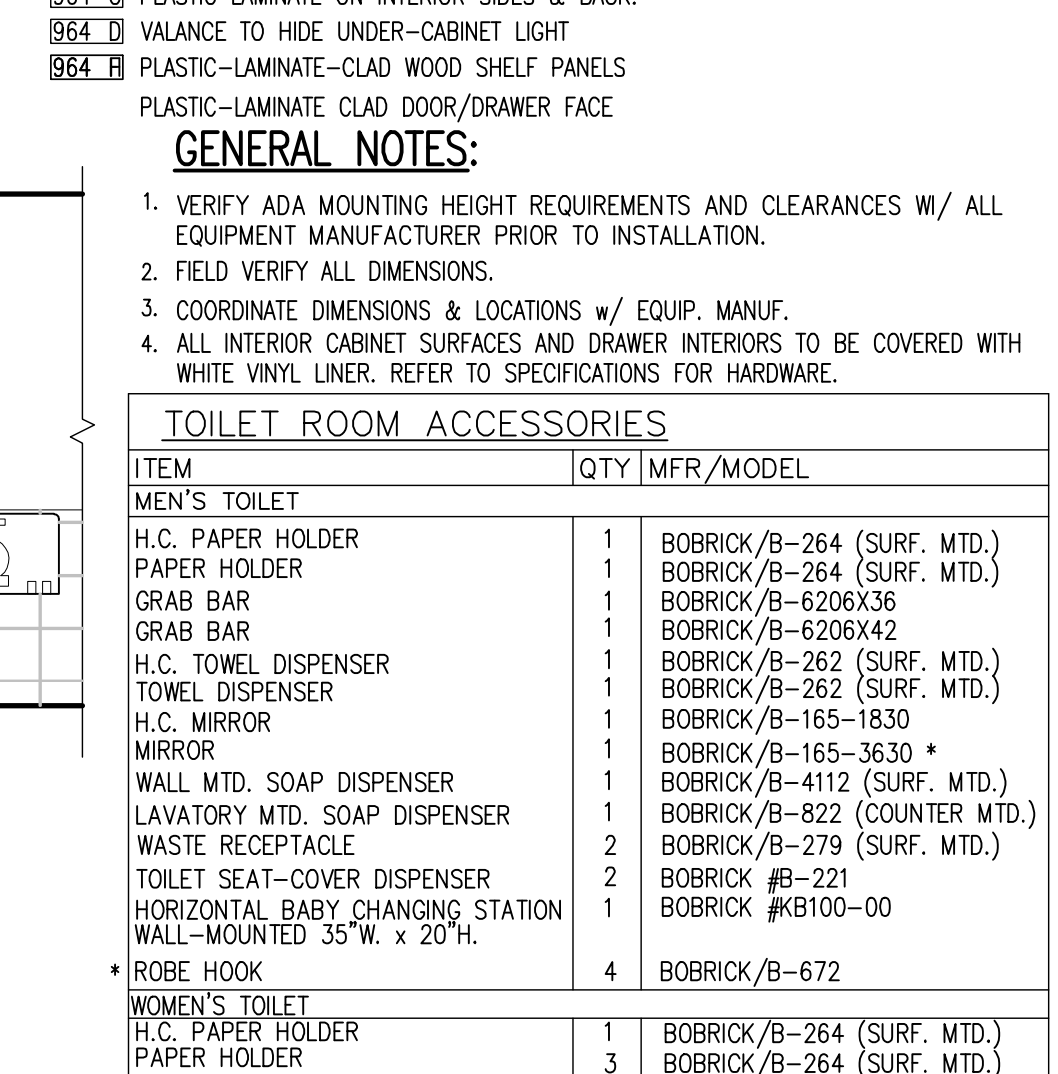
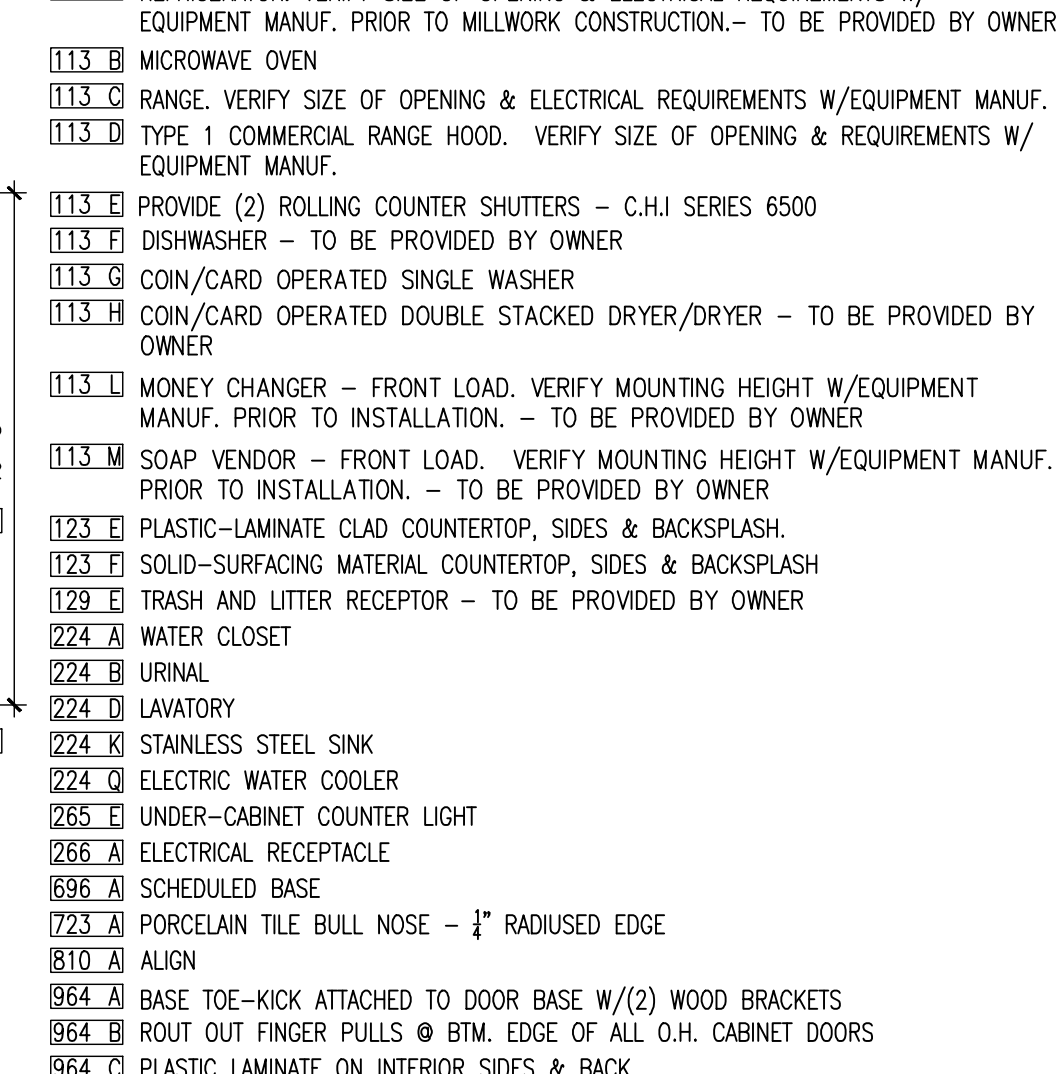
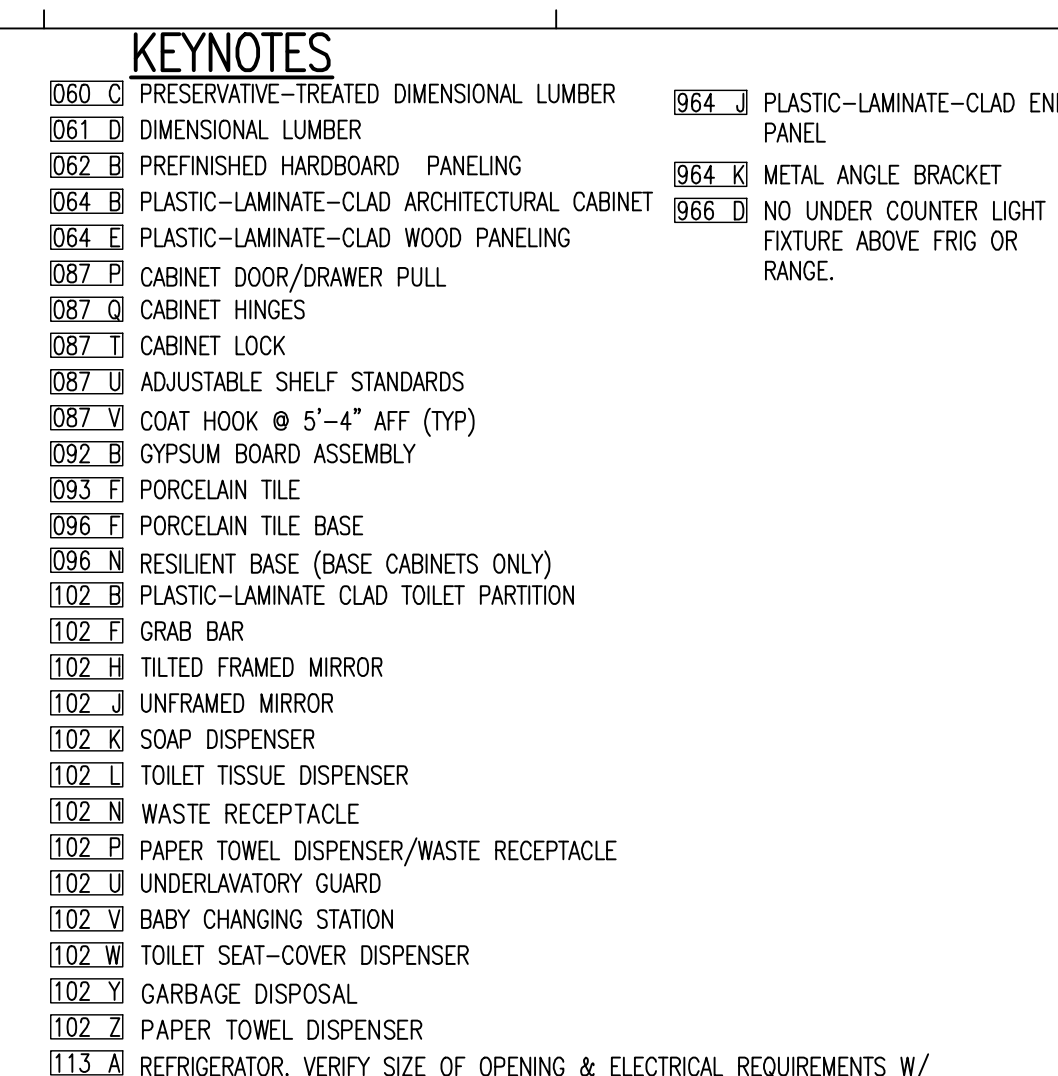
- (1) ALL CASEWORK: COUNTERTOPS: SS-1; CABINETS: PL-1, U.N.O
- (2) ALL SOFFITS/ FURRED DOWN FASCIA AND GYP. BD. CEILINGS: IP-1
- (3) ALL EXISTING DECORATIVE WALL DETAILS & TRIM TO BE PAINTED IP-1 EGGSHELL FINISH U.O.N.
- (4) ALL S.C. WOOD DOORS: PL-1 - ALL H.M. DOORS: IP-1 - ALL DOOR FRAMES: IP-1
- (5) LEVEL 5 EXTRA SMOOTH GYP. BD. FINISH, "LEVEL COAT," BY MAGNUM PRODUCTS, ON ALL WALLS RECEIVING EPOXY PAINT
- (6) ALL WALLS TO BE IP-1 UNLESS NOTED OTHERWISE
- (7) ALL DOOR SIDE-LITES OVER 12"W. SHALL RECEIVE HORIZONTAL WINDOW BLINDS WT-1.
- (8) USE FLOORING JOINDER/TRANSITION STRIP J-1 WHERE SHEET FLOORING MEETS CERAMIC TILE. G.C. TO VERIFY THICKNESSES OF SHEET FLOORING & CERAMIC TILE BEFORE ORDER TRANSITION STRIP.

CONTRACTOR SHALL PREPARE ALL SURFACES TO RECEIVE ABOVE FINISHES & INSTALL ALL ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

Architectural drawing showing a section of a building. A circular feature, possibly a window or door, is shown with a vertical line passing through its center. The drawing is labeled with 'IN' at the top and 'FINISH PLAN & SCHEDULE' at the bottom. A scale bar is present, indicating a scale of 1/8" = 1'.

















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Florida P.E. 32629  
McCarthy Project No. 07365

drawn by: AML

E. Michael McCarthy  
FI PF 492629

Robert Reid Wedding  
Architects & Planners, AIA, Inc.



PINELLAS COUNTY HOUSING AUTHORITY

PALM LAKE VILLAGE  
1515 COUNTY ROAD 1  
DUNEDIN FL 34698

commission number

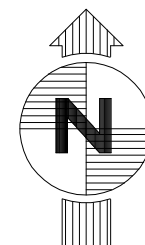
27-52

1. SLAB-ON-GRADE TO BE 3000 PSI, 4" THICK, N.W. CONC. REINF. W/ FIBEROUS REINFORCING ON 10 MIL VAPOR RETARDER LAPPED AND TAPED OVER COMPACTED SOIL.
2. TOP OF SLAB = 0'-0" U.O.  
TOP OF FOOTING = (-) 1'-4" EXCEPT WHERE NOTED.
3. CENTER ALL FOOTINGS BELOW WALL/COLUMN.
4. ALL FOOTING REINFORCING TO BE BOTTOM BARS.
5. ALL MASONRY WALL FOOTINGS TO BE TYPE F20W EXCEPT WHERE NOTED.
6. REINFORCE 8" NOMINAL MASONRY WALLS W/ #5 VERT. @24"O.C. MAX. IN FULLY GROUTED CELLS & AT ALL WALL INTERSECTIONS & EACH SIDE OF OPENINGS.
7. REFER TO SHEET S01 & S02 FOR SPECIFICATIONS.
8. VERIFY ALL DIMENSIONS W/ ARCH. PRIOR TO FABRICATION & CONSTRUCTION.
9. VERIFY FOOTING ELEVATIONS W/ CIVIL. MAINTAIN MIN. 12" SOIL COVER ON TOP OF FOOTINGS, TYP.
10. CJ = CONTRACTION JOINT  
M.C.J.= MASONRY CONTROL JOINT-COORDINATE W/ STUCCO JOINTS.
11. SEE ARCH. DWG. A-3 FOR PRE-ENGINEERED GAZEBO. FRAMING & FOUNDATION SHALL BE DESIGNED BY MFG'S. DELEGATED ENGINEER.

| CONCRETE COLUMN SCHEDULE |               |             |         |      |
|--------------------------|---------------|-------------|---------|------|
| MARK                     | WIDTH x DEPTH | REINFORCING | TIES    | TYPE |
| (C1)                     | 8" x 16"      | (4) #6      | #3 @ 8" | A    |



SCALE :  $\frac{1}{8}'' = 1'-0''$



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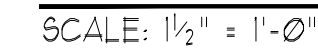
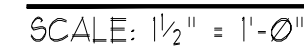
FOUNDATION PLAN  
SCALE: 1/8" = 1'-0"

## S1.1

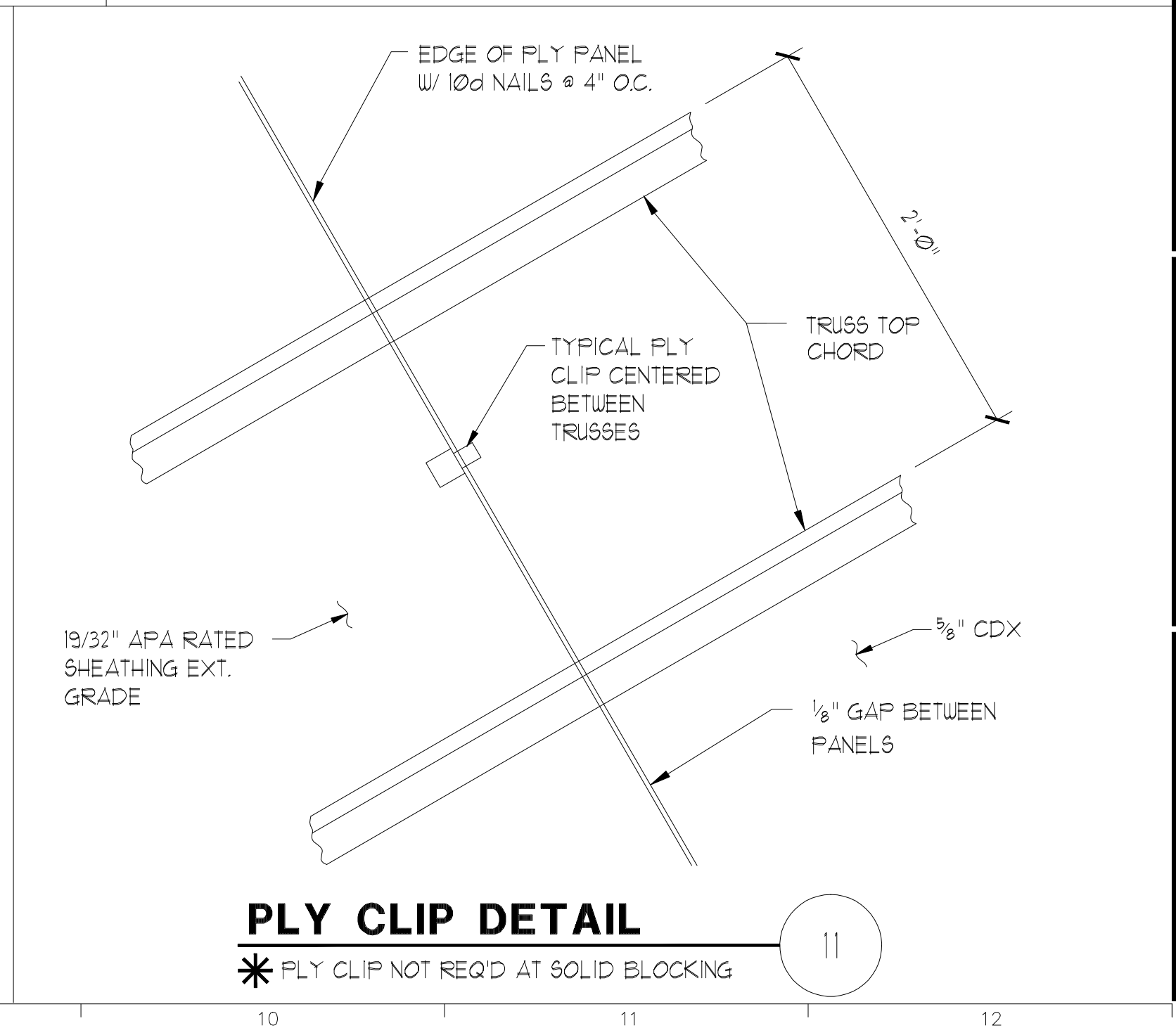
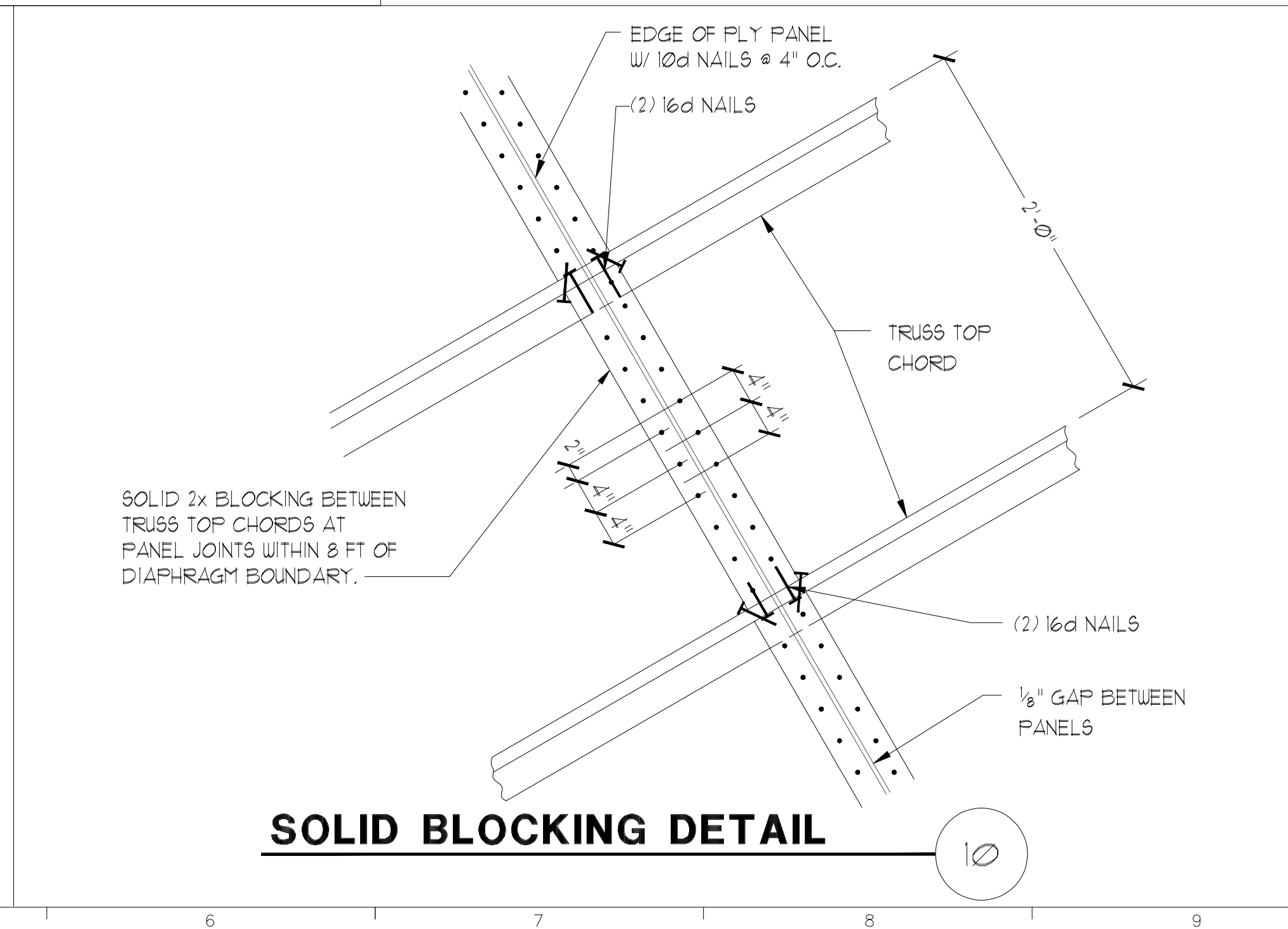
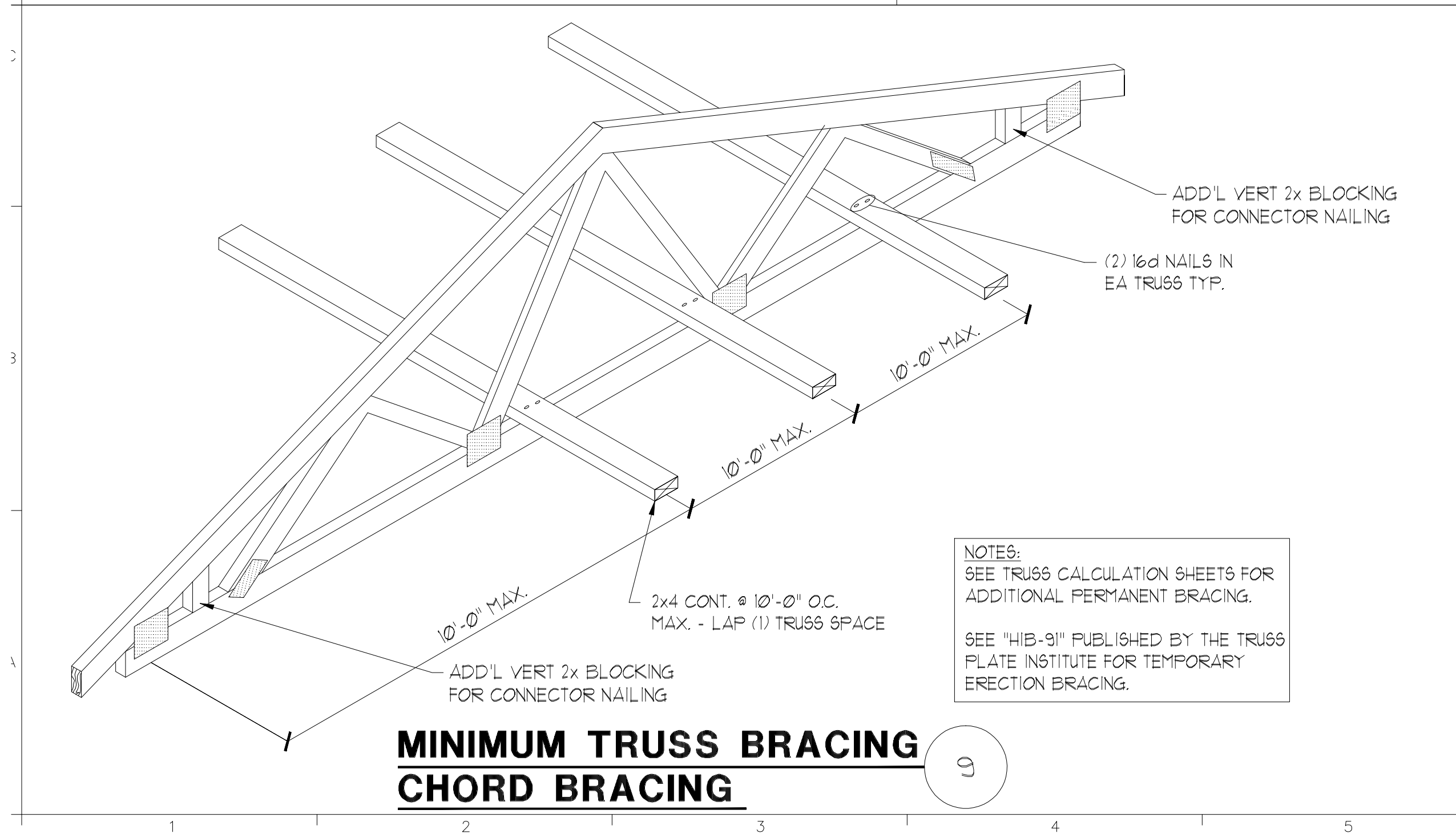
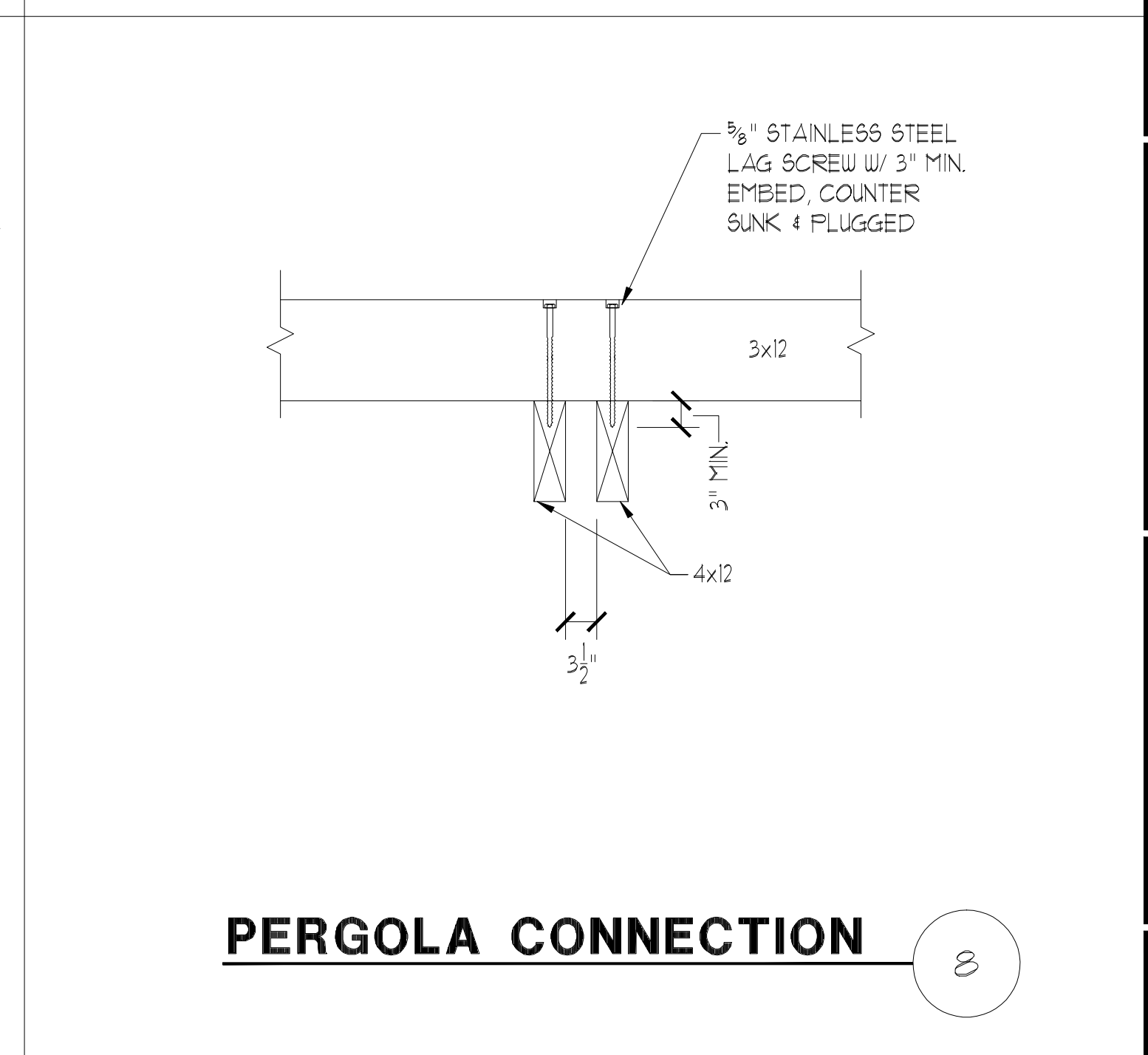
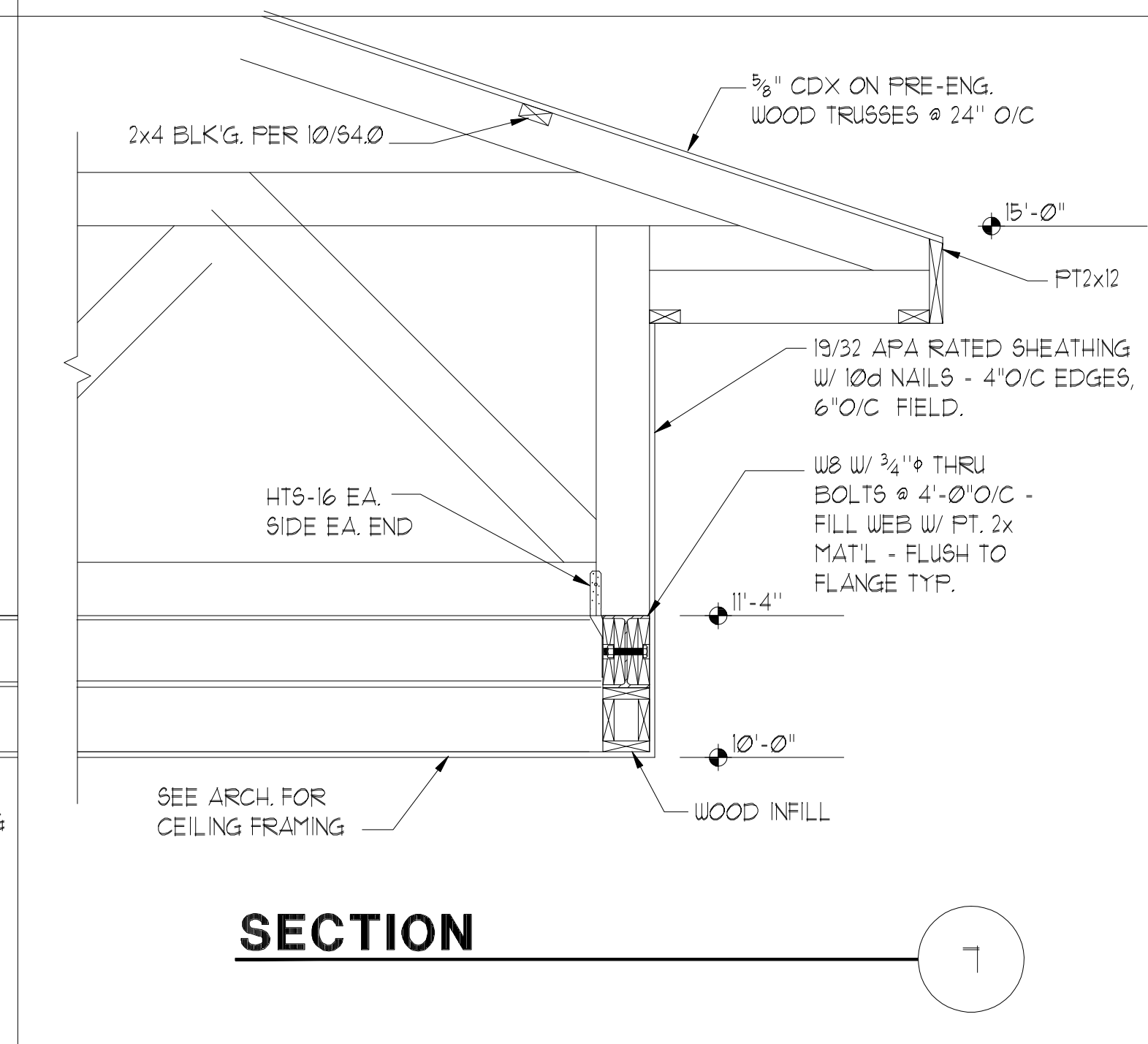
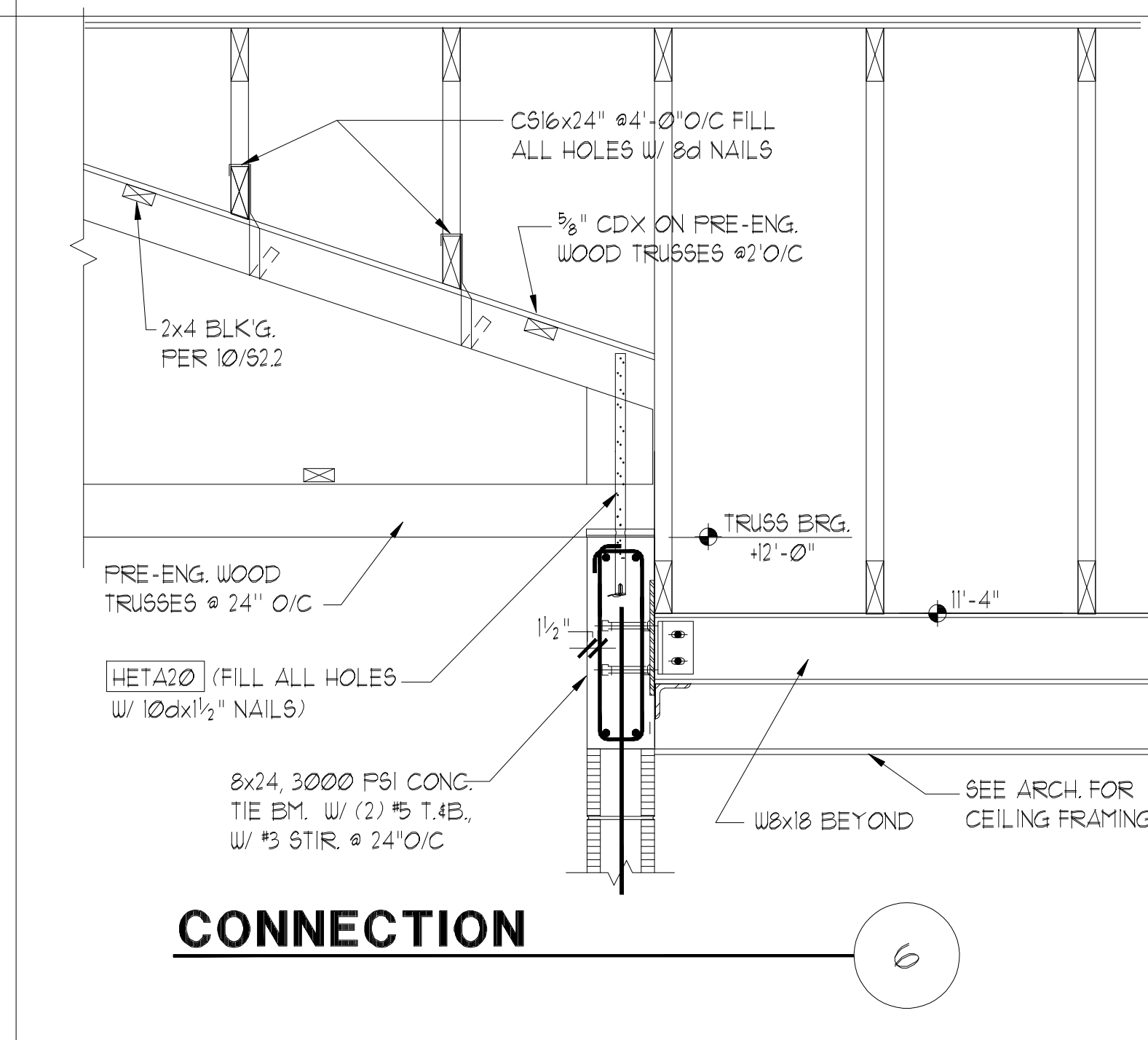
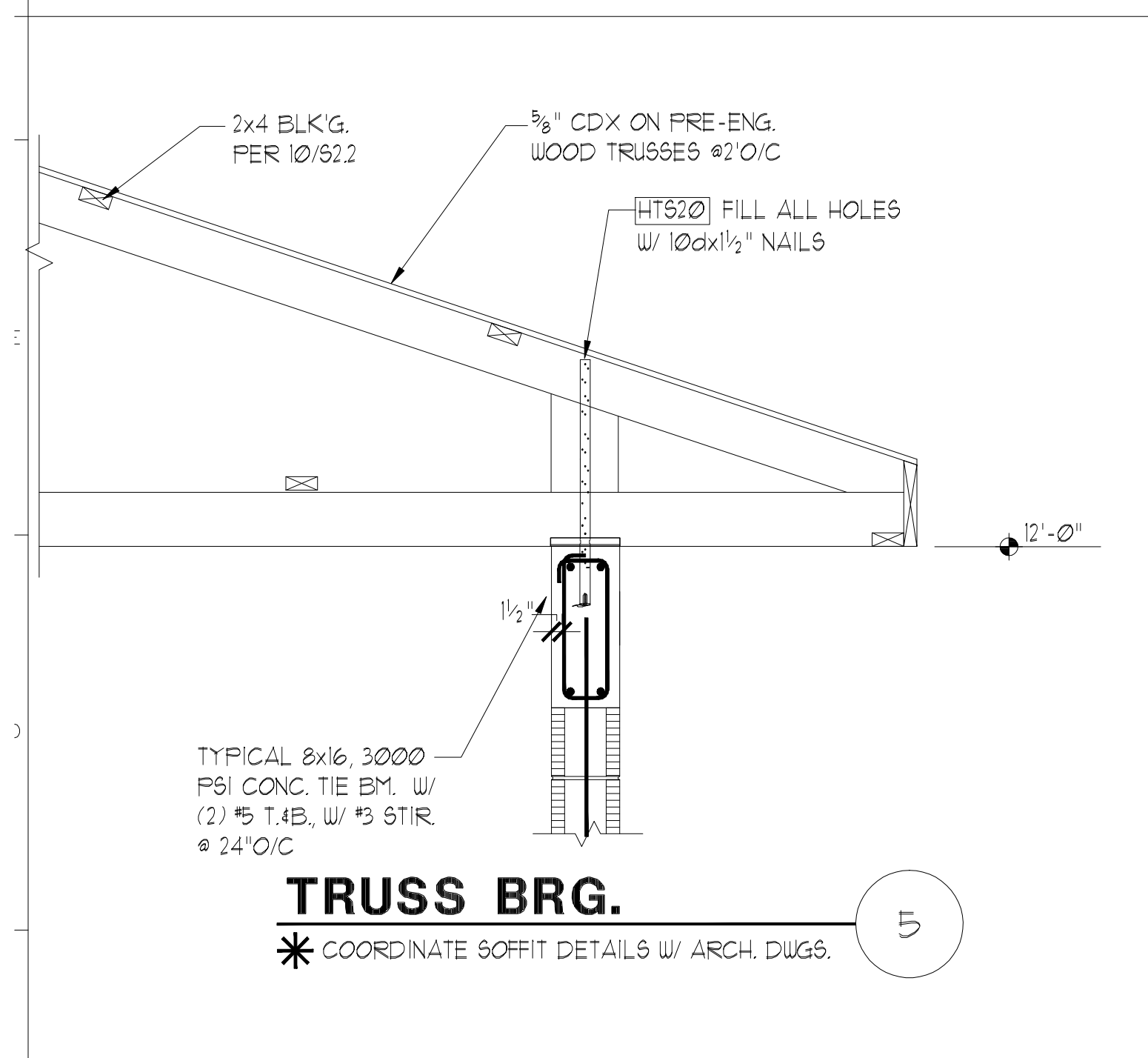
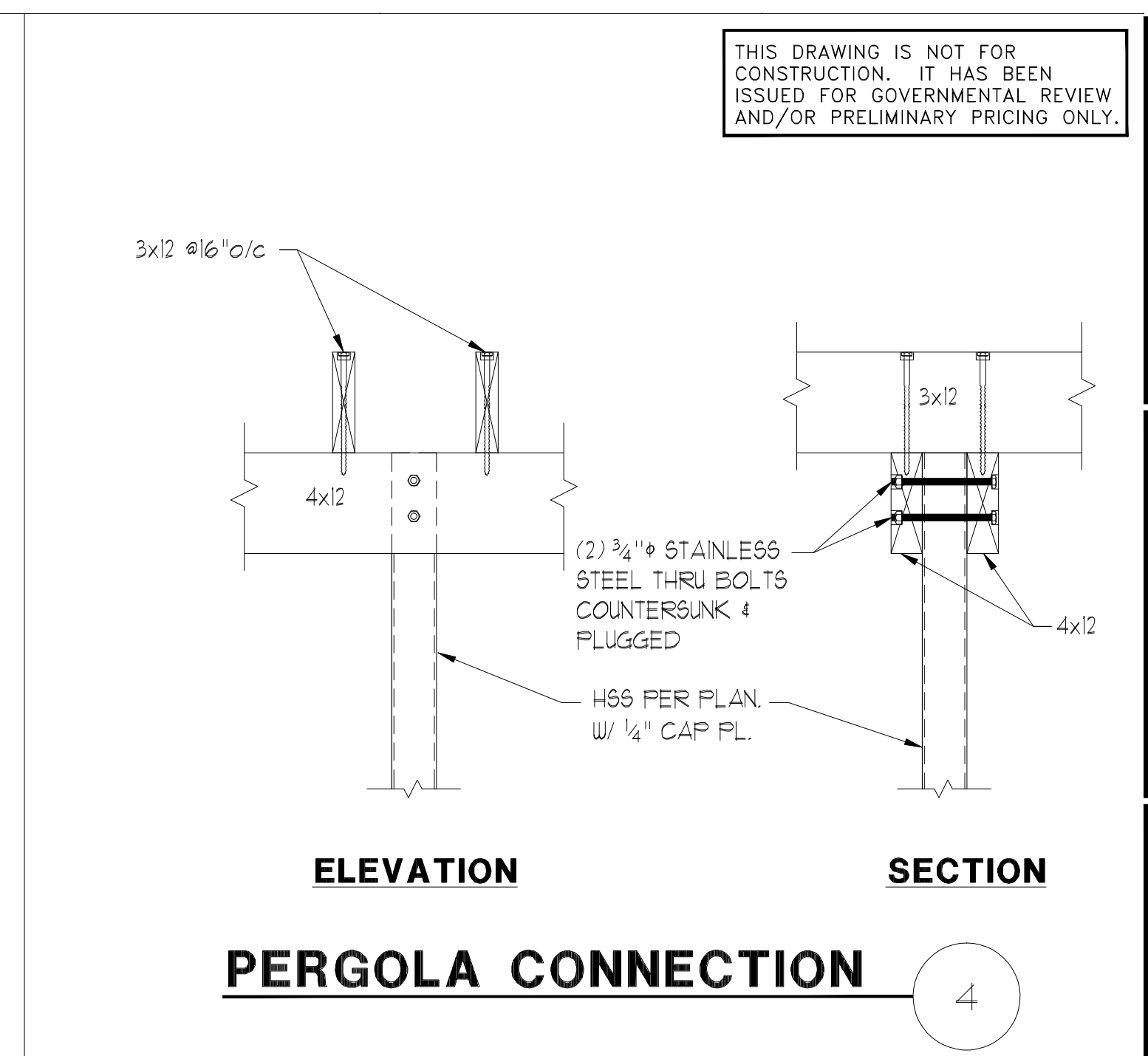
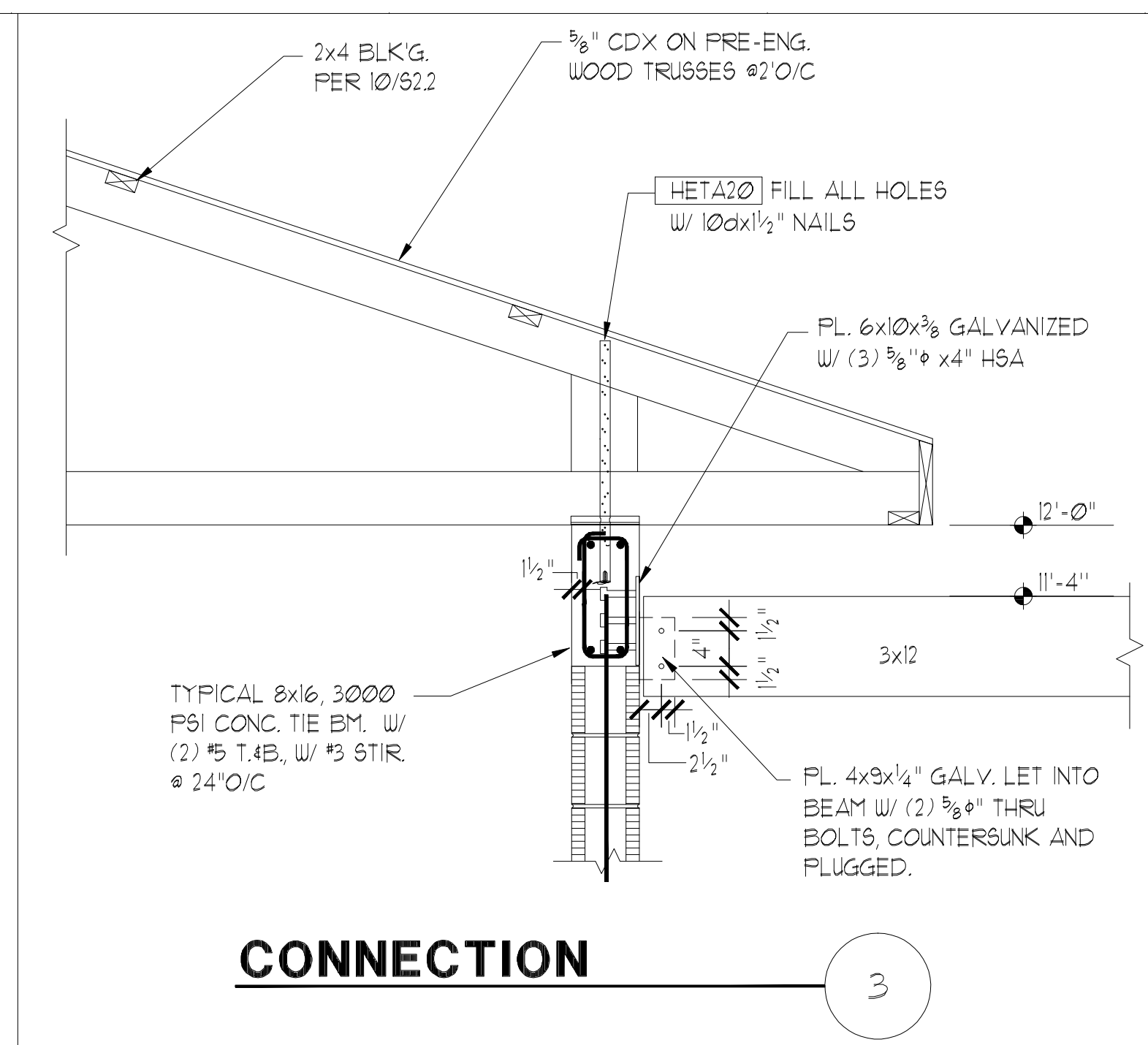
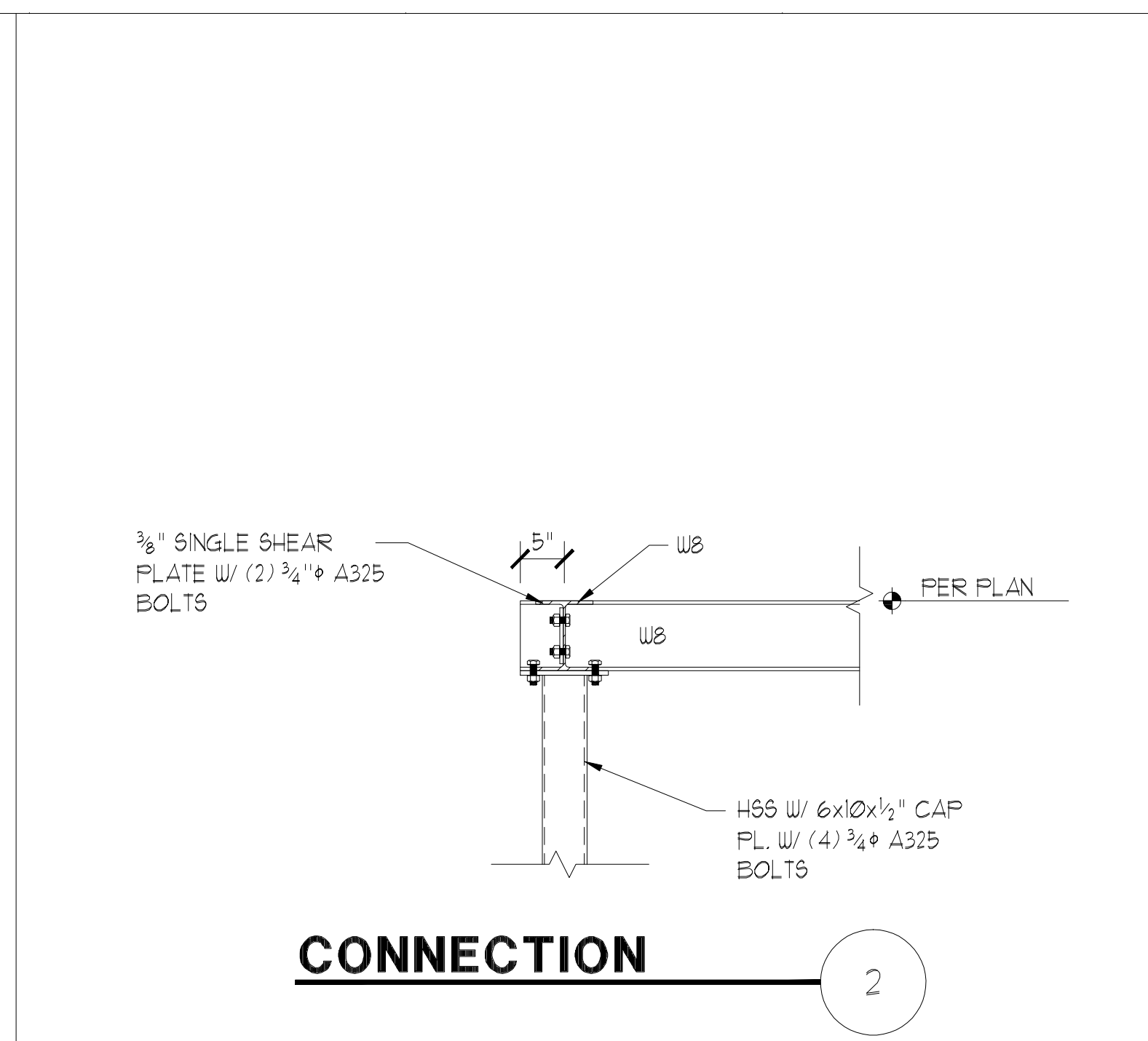
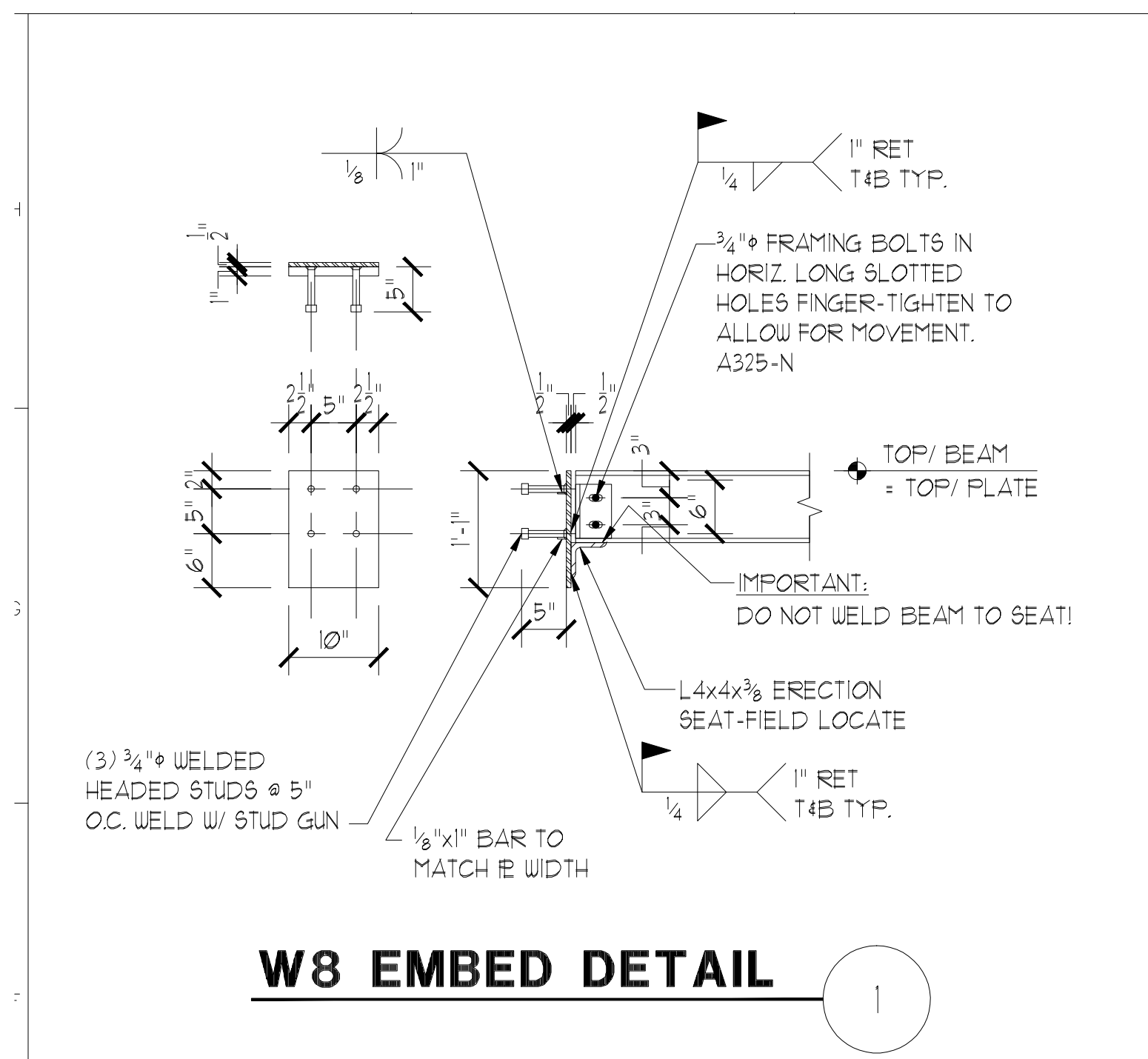




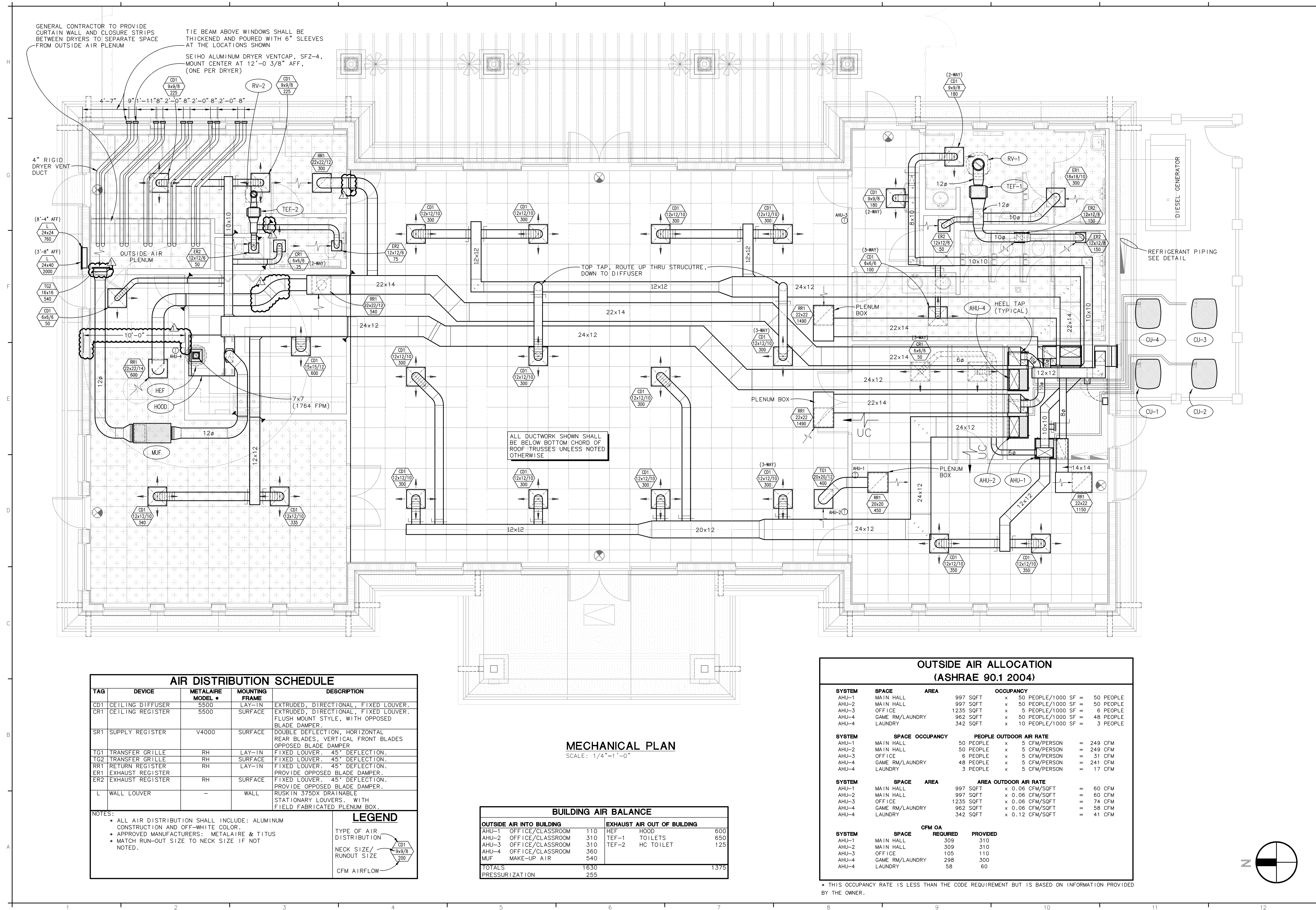








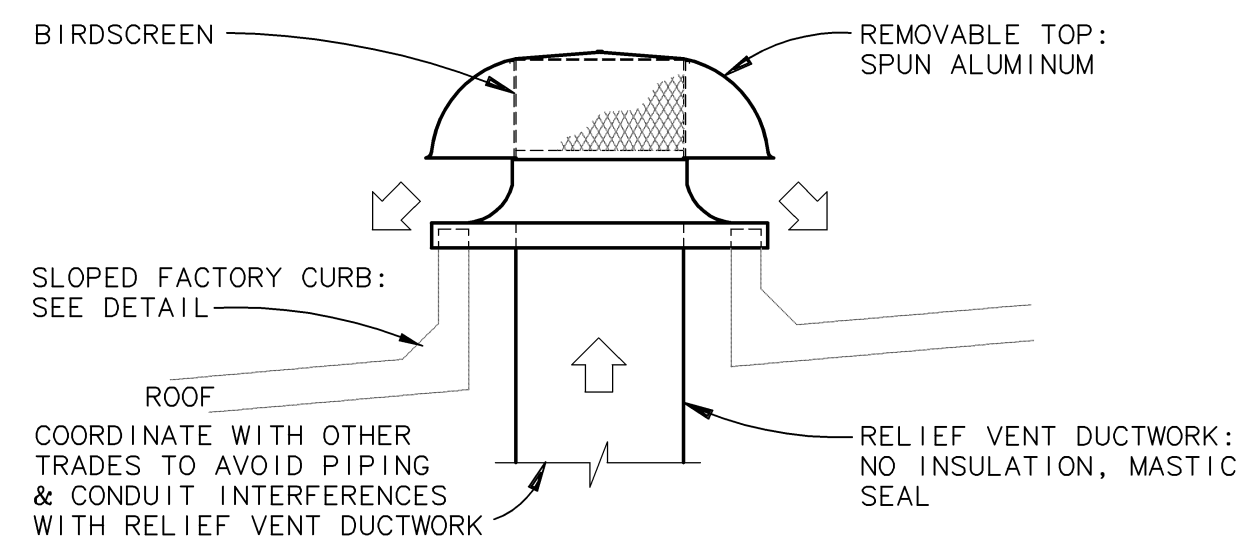






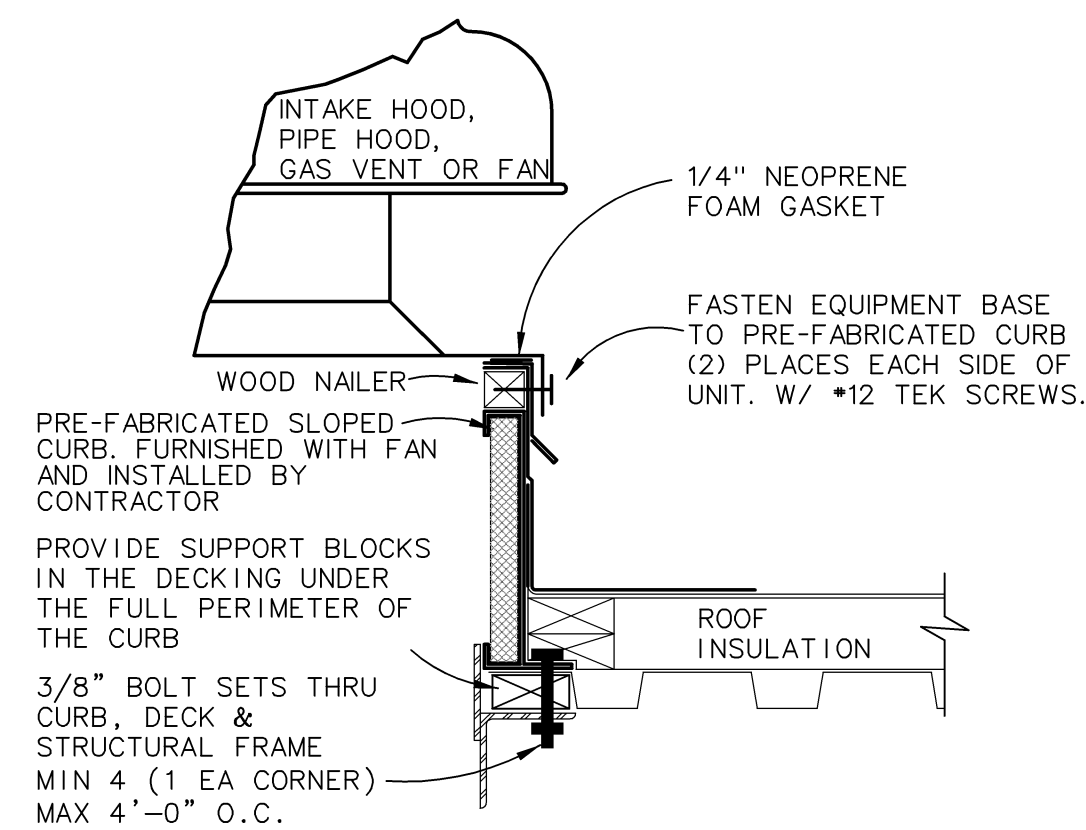




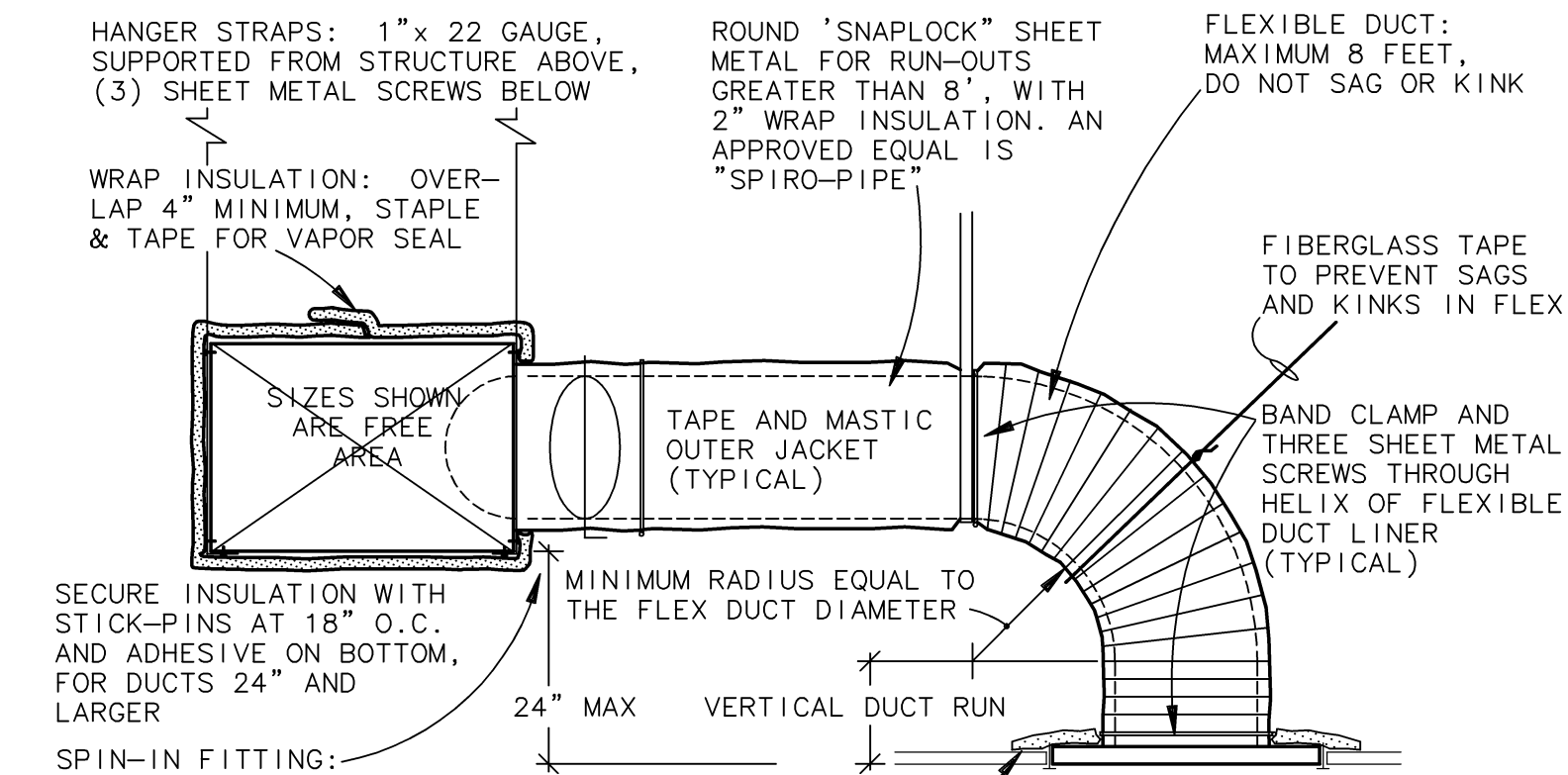


### ROOF EXHAUST CAP DETAIL

|                            |                 |                    |
|----------------------------|-----------------|--------------------|
| DESIGNATION<br>AREA SERVED | RV-1<br>TOILETS | RV-5<br>ADA TOILET |
| GREENHECK MODEL NUMBER     | GRSR-15         | GRSR-8             |
| CAPACITY — CFM             | 650             | 125                |
| PRESSURE DROP "WG          | 0.039           | 0.012              |
| THROAT DIAMETER — IN.      | 14-1/4          | 8-1/4              |
| THROAT AREA — SQ.FT        | 1.12            | 0.37               |
| THROAT VELOCITY — FPM      | 581             | 338                |
| REMARKS                    | —               | —                  |



## EQUIPMENT CURB DETAIL



1. SHEET METAL DUCTS SHALL BE FABRICATED & INSTALLED PER THE LATEST EDITION OF SMACNA, AND THE FLORIDA ENERGY CODE (SECTIONS 503.8 AND 503.9) WITH THE FOLLOWING CRITERIA BASED ON 4 FOOT DUCT SECTIONS.
- | DUCT SIZE | DUCT MATERIAL     | HANGERS | REINFORCEMENT                                      |
|-----------|-------------------|---------|----------------------------------------------------|
| 0 - 12"   | 26 GA FLAT        | 8" O.C. | NONE                                               |
| 13 - 30"  | 24 GA BEADED      | 8" O.C. | 13-18" NONE, 19-30" STANDING                       |
| 31 - 54"  | 22 GA BEADED      | 6" O.C. | 31-48" STANDING 1" S, 49-54" STANDING 2" S, 20 GA. |
| 55 - 84"  | 20 GA CROSS-BREAK | 5" O.C. | 55-80" STANDING 2" S, 84"+ STANDING SEAM, 20 GA.   |
2. ALTERNATE INTERPRETATIONS OF SMACNA DUCT MATERIAL, HANGERS AND REINFORCEMENTS ARE SUBJECT TO ENGINEER APPROVAL, AND REQUIRE SEPARATE SUBMITTAL OF THE ALTERNATES.
3. FLEXIBLE DUCT CONNECTIONS SHALL BE PROVIDED AT CONNECTIONS TO ALL EQUIPMENT.
4. SUPPLY AIR DROPS FROM ROOFTOP UNITS SHALL TRANSITION FROM THE UNIT OPENING SIZE TO SQUARE NECK ELBOWS, WITH SIZES AS SHOWN ON THE PLAN. IF TWO SUPPLY AIR DUCT RUNS ARE AT THE UNIT, THEN TWO SEPARATE DROPS AND ELBOWS SHALL BE PROVIDED.
5. RETURN AIR DROPS FROM THE ROOFTOP UNITS SHALL BE FULL SIZE OF THE UNIT OPENING.
6. ELBOWS SHALL BE SQUARE NECK (SAME IN OUT DIMENSION) WITH 2" DOUBLE THICKNESS TURNING VANES.
7. OFFSETS SHALL NOT REDUCE THE FREE AREA, AND SHALL NOT EXCEED 30". A RADIUS HEEL SHALL BE PROVIDED ON 30' OFFSETS. SMALLER OFFSETS MAY BE MITERED AT BOTH THE HEEL AND THROAT.
8. TRANSITIONS SHALL NOT EXCEED 1:3 RATIO (4" TRANSITION PER FOOT SINGLE SIDED TRANSITION, AND 8" PER FOOT DOUBLE SIDED TRANSITION).
9. INSULATION SHALL BE NFPA 90 APPROVED, WITH MINIMUM 5/2 R VALUE. WRAP INSULATION SHALL BE 2" THICK WITH ALUMINUM FOIL FACING. LINER SHALL BE 1-1/2" THICK, 6.0 R VALUE.
10. RECTANGULAR BRANCH CONNECTIONS SHALL BE 45' ENTRY TYPE PER SMACNA FIGURE 2-10.
11. ROUND DUCT CONNECTIONS SHALL BE WITH "METAL MANUFACTURING COMPANY" MS1-6 SPIN-IN FLEXIBLES, WITH 90° SCOOP, DAMPER AND HANDLE. SPRAY PAINT LOCATIONS OF HANDLES.
12. FLEETABLE DUCT SHALL INCLUDE AN INNER POLYETHYLENE LINER, A SPRING HELIX, 1-1/4" BAKING INSULATION, 4" FOAM VAPOR BARRIER AND BE UF18 APPROVED.
13. ALL TAPE SHALL BE FASSON 0810 (NO SUBSTITUTIONS), SMACNA APPROVED.
14. COMPLETELY SEAL ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS WITH MASTIC.

## HVAC GENERAL NOTES

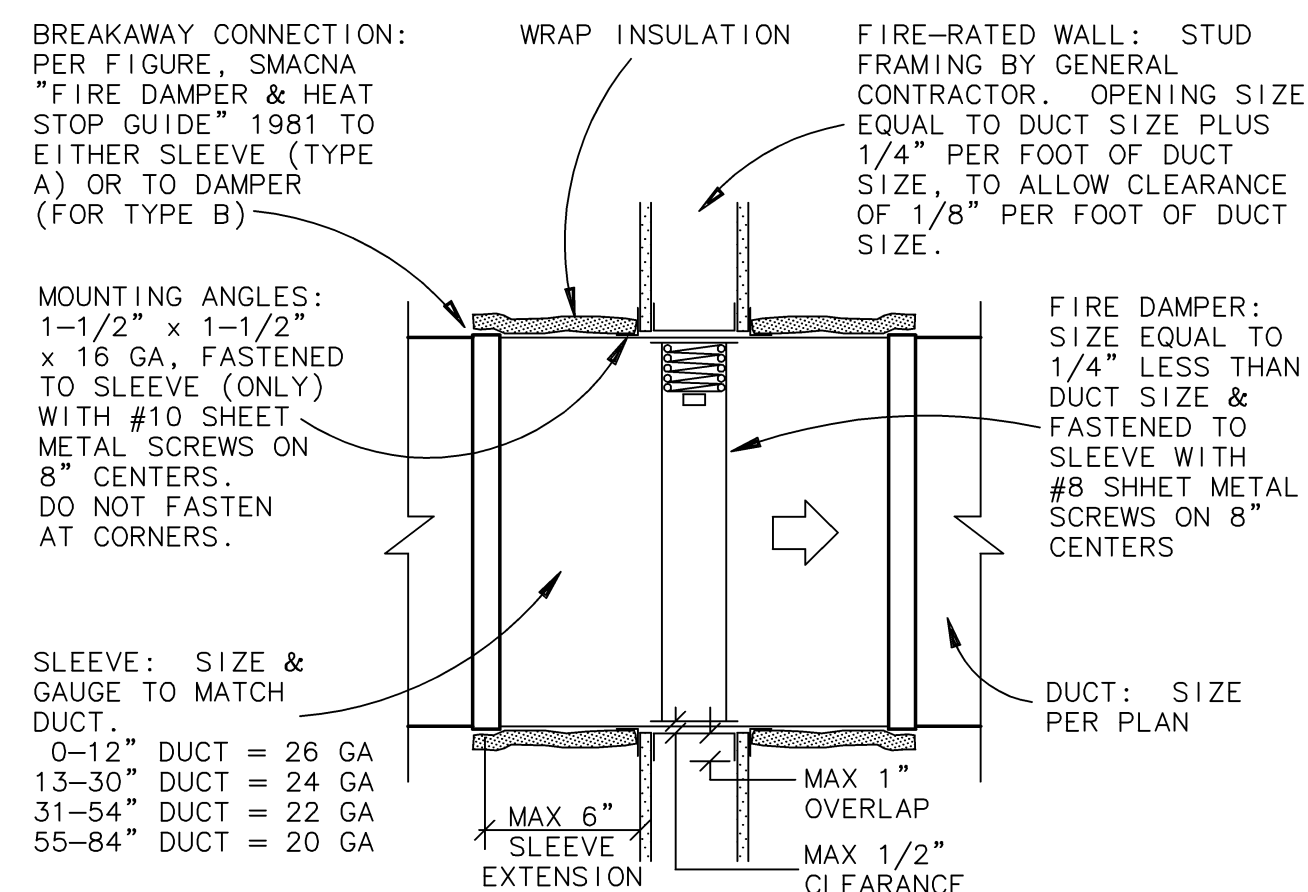
1. WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - \* 2004 FLORIDA BUILDING CODE WITH 2006 CODE AMENDMENTS
  - \* 2004 FLORIDA MECHANICAL CODE WITH 2006 CODE AMENDMENTS
  - \* 2004 FLORIDA ENERGY CONSERVATION CODE WITH 2006 CODE AMENDMENTS
  - \* ALL APPLICABLE NFPA CODES
2. DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
3. TEST AND BALANCE SHALL BE PERFORMED BY A TEST AND BALANCE AGENCY WHICH IS A MEMBER OF ABC OR NEBB, AND APPROVED BY THE ENGINEER. THE MECHANICAL CONTRACTOR SHALL HAVE ALL SYSTEMS FULLY INSTALLED AND OPERATIONAL, WITH CLEAN FILTERS PRIOR TO TEST AND BALANCE.

## HVAC EQUIPMENT

1. CARRIER IS THE APPROVED MANUFACTURER FOR THE AIR CONDITIONING EQUIPMENT. TRANE IS AN APPROVED ALTERNATE MANUFACTURER. IF TRANE IS USED, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL ELECTRICAL AND SERVICE CLEARANCE DIFFERENCES FROM THE BASIS OF DESIGN.
2. ALL AIR CONDITIONING UNITS SHALL INCLUDE A ONE YEAR UNIT WARRANTY AND AN EXTENDED 4-YEAR COMPRESSOR WARRANTY.
3. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. THE AIR CONDITIONING EQUIPMENT SHALL BE OPERATED DURING CONSTRUCTION WITH THROWAWAY FILTERS. FILTERS SHALL BE CHANGED DURING CONSTRUCTION IF THEY BECOME RESTRICTIVE OF AIRFLOW FOR NORMAL OPERATION. PROVIDE 30% PLEATED MEDIA FILTERS, JUST PRIOR TO TEST AND BALANCE.
6. THE MECHANICAL SUBCONTRACTOR SHALL PREPARE PLANS SHOWING THE LOCATIONS AND SIZES OF ALL WALL PENETRATIONS AND ROOF OPENINGS, FOR USE BY THE GENERAL CONTRACTOR.
7. SUBMITTALS SHALL BE REVIEWED BY THE ELECTRICAL SUBCONTRACTOR, FOR CONFLICT ON THE ELECTRICAL, PRIOR TO ORDERING EQUIPMENT. SUBSTITUTED EQUIPMENT SHALL BE PROTECTED BY EITHER FUSES OR AN HACR BREAKER.
8. UNITS SHALL BE CLEANED, ALL SCRATCHES SHALL BE PAINTED OVER WITH FACTORY PAINT TO MATCH UNIT, ALL CONDENSER COILS SHALL BE COMBED OUT, AND ALL PANELS AND SCREWS SHALL BE RE-INSTALLED AT COMPLETION OF THE PROJECT.

## HVAC CONTROLS

1. THERMOSTATS SHALL BE DIGITAL, 7-DAY PROGRAMMABLE WITH 4 MODES PER DAY.
2. THERMOSTATS SERVING EQUIPMENT WITH MORE THAN ONE COMPRESSOR OR EQUIPMENT WITH UNLOADING CAPABILITY SHALL HAVE TWO STAGES OF COOLING CAPACITY.
3. THERMOSTATS SERVING ELECTRIC HEATERS SHALL HAVE THE STAGES OF CAPACITY NOTED ON THE SCHEDULE.
4. ALL THERMOSTATS, THERMISTATS AND SENSORS SHALL BE MOUNTED 48" AFF.
5. LOW VOLTAGE (24V) CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL SUBCONTRACTOR, WHO SHALL SUBCONTRACT WITH THE ELECTRICAL SUBCONTRACTOR TO PROVIDE CONDUIT FOR ALL CONTROL WIRING, AS COORDINATED WITH THE MECHANICAL SUBCONTRACTOR. ALL CONDUIT SHALL BE RUN SQUARE WITH BUILDING LINES.
6. LINE VOLTAGE (120V) WIRING, HIGH VOLTAGE AND POWER WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
7. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL DISCONNECT SWITCHES.
8. THE MECHANICAL SUBCONTRACTOR SHALL PROVIDE ALL STARTERS.



1. ALL FIRE DAMPERS SHALL BE UL 555 APPROVED.
2. FIRE DAMPERS WITH INTEGRAL SLEEVE AND FACTORY MOUNTING ANGLES ARE ACCEPTABLE (RUSKIN OR EQUAL).
3. INSTALLATION SHALL COMPLY WITH UL APPROVED INSTALLATION INSTRUCTIONS. VERTICAL DAMPER INSTALLATION SHOWN: HORIZONTAL DAMPERS SHALL HAVE A STAINLESS STEEL CLOSURE SPRING FOR OPERATION OF THE DAMPER.
4. PROVIDE "AN ANTIMONY 10" ADJACENT TO THE FUSIBLE LINK OF EACH DAMPER. DOOR SHALL BE FACTORY FABRICATED, WITH 24 GA FRAME & DOOR, FIBERGLASS INSULATION, NEOPRENE GASKETING, & CAM-LOCK FASTENERS.
6. LOCATION OF FIRE DAMPERS SHALL BE AS SHOWN ON THE PLAN, WITH THE STANDARD SYMBOL (A) POINTING TO THE LOCATION OF A TYPE "A" FIRE DAMPER AND THE STANDARD SYMBOL (B) POINTING TO THE LOCATION OF A TYPE "B" FIRE DAMPER.





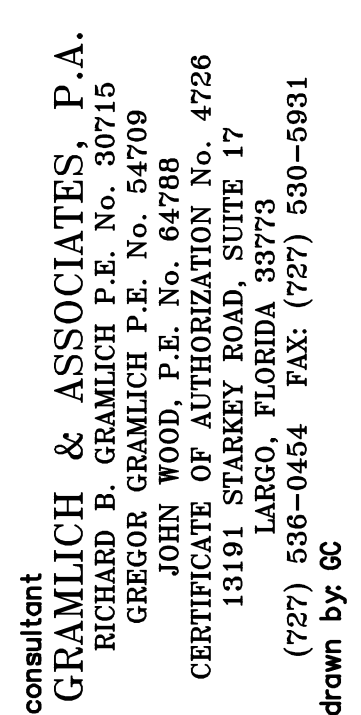
SCALE:  $\frac{1}{4}" = 1'-0"$

1. WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - \* 2004 FLORIDA BUILDING CODE WITH 2006 AMENDMENTS
  - \* 2004 FLORIDA PLUMBING CODE WITH 2006 AMENDMENTS
  - \* 2004 FLORIDA BUILDING CODE WITH 2006 AMENDMENTS
  - \* STATE ENERGY CODE
2. DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
3. VERIFY ALL POINTS OF CONNECTION WITH OTHER DISCIPLINES (LOCATION AND INVERT) PRIOR TO INSTALLATION. THIS SHALL INCLUDE EXISTING UTILITIES AS WELL AS NEW UTILITIES INSTALLED UNDER THE SCOPE OF WORK FOR THIS PROJECT.
4. COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, ELECTRICAL LIGHTING, AND STRUCTURE, IN THE CEILING PLENUMS. PRIORITY SHALL BE GIVEN TO HVAC DUCTWORK.
5. ALL WORK, BOTH MATERIAL AND INSTALLATION, SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF OWNER ACCEPTANCE (CERTIFICATE OF OCCUPANCY).

1. SANITARY, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PER ASTM D 2665 (NO SUBSTITUTIONS) WITH SOLVENT WELDED CEMENT IN ACCORDANCE WITH ASTM 2564.
2. COORDINATE SANITARY AND WASTE PIPING BELOW THE SLAB WITH THE BUILDING FOUNDATIONS PRIOR TO INSTALLATION.
3. SET FLOOR DRAINS BELOW FINISHED FLOOR LEVEL TO ALLOW FULL DRAINAGE OF AREA.
4. EXPOSED DRAINING TO EXTERIOR SHALL BE CHROME-PLATED BRASS WITH ESCUTCHEONS.
5. PROVIDE CLEANOUTS AS REQUIRED BY CODE.
6. FURNISH FOUR POUND LEAD OR EIGHT OUNCE COPPER FOR VENT THRU ROOF FLASHING TO THE GENERAL CONTRACTOR FOR INSTALLATION BY THE ROOFING SUBCONTRACTOR.
7. ALL INDIRECT PIPING SHALL TERMINATE AT THE RECEPTOR WITH A MINIMUM AIR GAP OF TWO PIPE DIAMETERS AND SHALL BE BEVELED AT 45 DEGREES.
8. ALL INDIRECT PIPING SERVING HAND SINKS, REFR. SINKS, AND ALL SCULLERONS EQUIPPED WITH JET DRYER MACHINES, SODA DISPENSERS, ETC) SHALL BE COPPER.
9. ALL INDIRECT PIPING FROM PREP SINKS WITH MULTIPLE BASINS SHALL HAVE EACH BASIN DRAINED INDIVIDUALLY TO THE RECEPTOR.
10. TEST PIPING WITH A 10" WATER COLUMN FOR TWO HOURS.







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PINELLAS COUNTY HOUSING AUTHORITY  
PALM LAKE VILLAGE

commission number 27-52

1. WATER PIPING ABOVEGROUND SHALL BE TYPE "L" COPPER (ASTM B88-89), WITH WROUGHT COPPER FITTINGS (ASTM B16-22-89) AND 95-5 SILVER SOLDERED JOINTS. SCHEDULE 40 GALVANIZED STEEL (ASTM A-53) MAY BE USED FOR PIPING 3" AND LARGER. FITTINGS SHALL BE CLASS 125.
2. WATER PIPING BELOWGROUND SHALL BE TYPE "K" COPPER, WROUGHT COPPER FITTINGS (ASTM B16-22-89), WITH VINYL SLEEVE FOR CORROSION PROTECTION AND SILVER SOLDERED JOINTS. ALTERNATIVELY, UPONER (WIRSDO) AQUAPLEX TYPE A "PEX" CROSS-LINKED POLYETHYLENE PLASTIC TUBING (ASTM F876) MAY BE USED BELOWGROUND. SCHEDULE 40 GALVANIZED STEEL (ASTM A-53) MAY BE USED FOR PIPING 3" AND LARGER. FITTINGS SHALL BE CLASS 125.
3. SUPPORT ALL PIPING WITH PIPE HANGERS BY GRINELL OR APPROVED EQUAL. HANGERS SHALL BE SPECIFICALLY SELECTED FOR USE WITH THE PIPE MATERIAL AND INSULATION THICKNESS (IF INSULATED) SPECIFIED.
4. PROVIDE EACH FIXTURE WITH SHUTOFF SUPPLY STOPS. EXPOSED STOPS AND SUPPLY PIPING SHALL BE CHROME PLATED WITH A CHROME PLATED ETCOUTCHEN AND SET SCREW.
5. PROVIDE SERVICE VALVES AT ALL BRANCH SUPPLY LINES. ALL VALVES SHALL BE 125 LB SERVICE RATED. SHUTOFF VALVES SHALL BE BALL OR GATE TYPE AND SHALL BE INSTALLED CLOSE TO CEILINGS FOR ACCESS.
6. PROVIDE UNIONS FOR ALL CONNECTIONS TO SERVICEABLE EQUIPMENT. UNIONS SHALL BE DIELECTRIC TYPE WHERE DISSIMILAR METALS ARE CONNECTED.
7. HOT WATER PIPING INSULATION SHALL BE EITHER FIBERGLASS "MANVILLE MICRO-LOK AP-T" OR CLOSED CELL "ARMAFLEX".
8. INSULATE HOT WATER PIPING AS FOLLOWS: RECIRCULATING PORTIONS (IF PRESENT) SHALL PROVIDE 1" INSULATION FOR PIPING UP TO AND INCLUDING 2", 1-1/2" INSULATION FOR PIPING LARGER THAN 2" AND 1/2" INSULATION ON ALL RUNOUTS TO FIXTURES. FIXTURES, NON-RECIRCULATING PORTIONS SHALL PROVIDE 1" INSULATION ON THE INLET PIPING FROM THE HEAT TRAP TO THE TANK, AND ON THE DISCHARGE PIPING FOR A DISTANCE OF 8 FEET. FIBERGLASS FITTING SHALL BE WRAPPED WITH MANVILLE "ZESTON 2000" PVC FITTING COVERS.
9. ALL WATER PIPING INSTALLED INSIDE CMU WALLS SHALL BE PROTECTED FROM CORROSION WITH EITHER INSULATION OR A CONTINUOUS VINYL SLEEVE.
10. PROVIDE WATER HAMMER ARRESTORS, EQUAL TO J.R.SMITH 5000 SERIES, IN ACCORDANCE WITH PDI STANDARD WH-201 AT ALL QUICK CLOSING VALVES AND AT ALL FLUSH VALVES. FIXTURES IN A BATTERY MAY BE SERVED BY A SINGLE ARRESTOR PLACED AT THE END OF A FULL FEED MAIN. FIELD BACKFLOW ARRESTORS ARE NOT ACCEPTABLE.
11. PROVIDE VACUUM BREAKERS OR BACKFLOW PREVENTERS, AS REQUIRED BY CODE.
12. PROVIDE TRAP PRIMERS AS REQUIRED BY CODE.
13. TEST ALL WATER PIPING AT 100 PSIG FOR SIX HOURS OR AS REQUIRED BY THE BUILDING DEPARTMENT.
14. STERILIZE WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS.

SCALE:  $\frac{1}{4}" = 1' - 0"$

## GAS PIPING

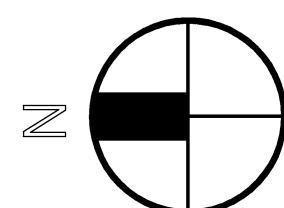
1. GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL GAS CODE, OR NFPA-54 WHERE REQUIREMENTS ARE MORE STRINGENT.
2. ALL GAS EQUIPMENT SHALL BE AGA APPROVED.
3. THE INSTALLATION SHALL BE FOR PROPANE GAS.
4. THE INSTALLING SUBCONTRACTOR SHALL BE LICENSED FOR THE INSTALLATION OF PROPANE GAS.
5. THE GAS METER PRESSURE REGULATOR SHALL DELIVER PRESSURE OF 0.25 PSI, OR 7"WC.
6. GAS PIPING SHALL BE SCHEDULE 40, WELDED AND SEAMLESS, WROUGHT STEEL PIPE (ASME B36.10).
7. GAS PIPING OUTSIDE OF BUILDING SHALL BE PAINTED WITH BLACK "RUSTLEUM" PAINT. THE GENERAL CONTRACTOR SHALL PAINT EXPOSED PIPING IN THE CUSTOMER AREA.
8. GAS PIPING SHALL BE HUNG TIGHT TO THE ROOF STRUCTURE, AS SHOWN ON THE PLAN, AND SUPPORTED WITH HANGERS BY GRINNELL OR EQUAL.
9. BRANCH TAPS SHALL BE MADE OFF OF THE TOP OF THE PIPING.
10. CONDUIT AT EACH GAS APPLIANCE SHALL INCLUDE: AN INVERTED TRAP, A GAS COCK, A UNION, AND A DIRT LEG.
11. INTERFACE GAS SOLENOID VALVE WITH HOOD FIRE SUPPRESSION SYSTEM. (IF APPLICABLE)

| BUILDING GAS DEMAND |                  |       |       |
|---------------------|------------------|-------|-------|
| TAG                 | DESCRIPTION      | EACH  | TOTAL |
| GWH                 | GAS WATER HEATER | 150.0 | 150.0 |
| DRYERS              | GAS DRYERS (10)  | 22.5  | 225.0 |
| TOTAL MBH           |                  |       | 375.0 |

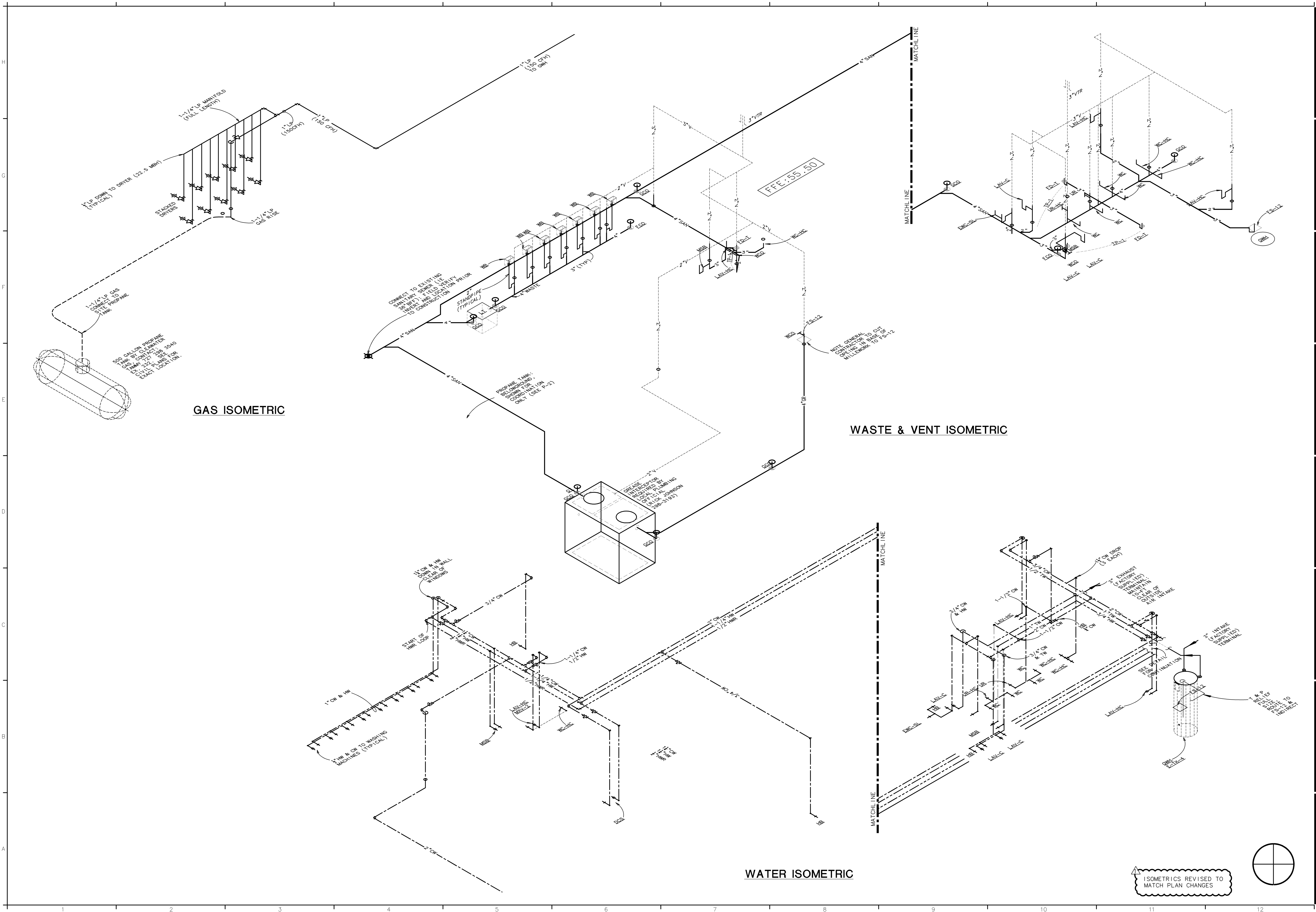
| SIZE   | CAPACITY |
|--------|----------|
| 1/2"   | 58       |
| 3/4"   | 120      |
| 1"     | 227      |
| 1-1/4" | 465      |
| 1-1/2" | 697      |
| 2"     | 1,342    |

PIPING SIZED ON 200 FT TO FURTHEST  
FIXTURE, PER TABLE 402.4(24),  
2004 FLORIDA FUEL GAS CODE

|                                                                                       |                   |
|---------------------------------------------------------------------------------------|-------------------|
| ----                                                                                  | COLD WATER PIPING |
| - - - -                                                                               | HOT WATER         |
| =====                                                                                 | HOT WATER RETURN  |
| —G—                                                                                   | LP GAS            |
|  | SHUT OFF VALVE    |







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PLUMBING ISOMETRICS  
SCALE: 1/4" = 1'-0"

| date    | description          | date | description |
|---------|----------------------|------|-------------|
| 6-3-08  | PERMIT DRAWINGS      |      |             |
| 9-04-08 | PLAN REVIEW COMMENTS |      |             |
|         |                      |      |             |
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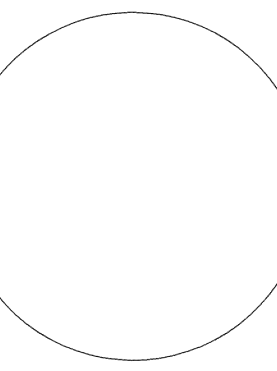
PINELLAS COUNTY HOUSING AUTHORITY  
PALM LAKE VILLAGE  
1515 COUNTY ROAD 1  
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drawn by: GC

commission number  
27-52







- WHEN THE INSTALLATION IS SUBSTANTIALLY COMPLETE, THE CONTRACTOR SHALL PROVIDE A "FACTORY CHECKOUT" FROM THE MANUFACTURER. THE PURPOSE OF THIS CHECKOUT IS TO VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS. ANY REQUIRED CHANGES SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

NOTES:

1. APPROVED MANUFACTURERS OF FIXTURES ARE AMERICAN STANDARD, KOHLER AND ELJER.
2. APPROVED MANUFACTURERS OF FAUCETS ARE AMERICAN STANDARD, DELTA, T & S AND CHICAGO.
3. APPROVED MANUFACTURERS OF FLOOR DRAINS AND CLEANOUTS ARE J.R. SMITH, JOASM, ZURN AND WATTS
4. APPROVED MANUFACTURERS OF WATER COOLER IS ELKAY, OASIS AND HAWS.
5. APPROVED MANUFACTURERS OF THE WATER HEATERS ARE A.O. SMITH, STATE, RHEEM AND RUUD.
6. ALL SUPPLIES SHALL BE PROVIDED WITH CHROME PLATED ANGLE STOPS AND TUBING EQUAL TO EASTMAN BRASS-CRAFT OR EQUAL.

PINELLAS COUNTY HOUSING AUTHORITY  
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PALM LAKE VILLAGE LANE

ASPHALT PAVEMENT

PROP. BLDG.

4,611 SF

F.F.E. = 55.50

ONE STORY BUILDING

RETENTION

POND

WATER ELEV. = 49.45'

MARCH 4, 2008

SITE LUMINAIRE SCHEDULE

| TYPE | MANUFACTURER | CATALOG NO.                | VOLT | LAMPS     | MOUNTING                         |
|------|--------------|----------------------------|------|-----------|----------------------------------|
| SA   | LITHONIA     | KAD 400M R4 240 RPD04 SCWA | 240  | 400W M.H. | POLE MOUNTED @ 30' PKG. 25' POOL |
| SB   | LITHONIA     | KAD 400M R3 240 RPD04 SCWA | 240  | 400W M.H. | POLE MOUNTED @ 30' PARKING       |
| SC   | LITHONIA     | KBR6 70M R5 240            | 240  | 70 W.M.H. | BOLLARD                          |

ALTERNATE LUMINAIRES SHALL BE BY "LITHONIA", AND "COOPER INDUSTRY" ONLY. ALL ALTERNATE LUMINAIRES SUBSTITUTIONS LISTED ABOVE MUST BE SUBMITTED FOR TEN DAY PRIOR APPROVAL (SEE SPECIFICATIONS).

GENERAL NOTES:

1. PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR ALL LUMINAIRES
2. ALL ALTERNATE LUMINAIRES SHALL BE SUBMITTED FOR PRIOR APPROVAL, SEE SPECIFICATIONS.

ENLARGED GAZEBO

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

PINELLAS COUNTY HOUSING AUTHORITY

PALM LAKE VILLAGE

1515 COUNTY ROAD 1

DUNEDIN, FL

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drawn by:

27-52

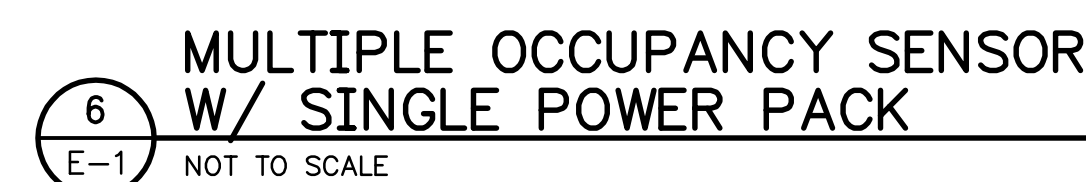
commission number

ELECTRICAL SITE PLAN

SCALE: 1/16" = 1'

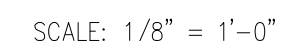
ES-1





LIGHTING PLAN  
SCALE: 1/8" = 1'-0"











|                              |                                |                                                              |               |                |                     |      |                                                     |               |                |                                              |         |                                                       |       |                  |     |                             |                      |    |
|------------------------------|--------------------------------|--------------------------------------------------------------|---------------|----------------|---------------------|------|-----------------------------------------------------|---------------|----------------|----------------------------------------------|---------|-------------------------------------------------------|-------|------------------|-----|-----------------------------|----------------------|----|
| UPDATED: 7/9/2008 2:56 pm    |                                | PANEL A                                                      |               |                |                     |      |                                                     |               |                |                                              |         | MAIN CIRCUIT BREAKER RATED @ 65K AIC                  |       | MFR: SIEMENS '71 |     |                             |                      |    |
| ISSUED FOR: APPROVAL         |                                | LOCATION: MECH. RM.114<br>VOLTAGE: 120/240V<br>TRIM: SURFACE |               |                |                     |      | MAIN: 250A MCB<br>SYSTEM: 1# 3W<br>BUS RATING: 250A |               |                |                                              |         | CONN. LOAD: 48 KVA<br>FEED: BOTTOM<br>GROUND BUS: YES |       |                  |     |                             |                      |    |
| CKT                          | LOAD SERVED                    | CMD                                                          | PHASE         | NEUT           | GND                 | BKR  | DMD                                                 | L1            | L2             | L3                                           | DMD BKR | CMD                                                   | PHASE | NEUT             | GND | LOAD SERVED                 | CKT                  |    |
| 1                            | OFFICE RECEPTACLES             | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 140           |                |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | MAIN HALL #101              | 2                    |    |
| 2                            | RECEPTACLES MAIN HALL          | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | A                                                   | 150           | 260            |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | MAIN HALL #101              | 4                    |    |
| 5                            | RECEPTACLES MAIN HALL & OFFICE | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 200           |                |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | OFFICE & STORAGE LIGHTING   | 6                    |    |
| 7                            | RESTROOM & MECH. RECEPTACLES   | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 220           |                |                                              | L       | 20/2                                                  | 3/4"  | #10              | -   | #10                         | PARKING LOT LIGHTING | 8  |
| 9                            | MAIN HALL RECEPTACLES          | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 180           |                |                                              | L       |                                                       |       | #10              |     |                             |                      | 10 |
| 11                           | APPLIANCE RECEPTACLES          | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 120           |                |                                              | L       | 20/2                                                  | 3/4"  | #10              | -   | #10                         | POOL AREA LIGHTING   | 12 |
| 13                           | APPLIANCE RECEPTACLES          | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 100           |                |                                              | L       |                                                       |       | #10              |     |                             |                      | 14 |
| 15                           | REFRIGERATOR                   | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | K                                                   | 830           |                |                                              | L       | 20/2                                                  | 3/4"  | #10              | -   | #10                         | WALKWAY LIGHTING     | 16 |
| 17                           | REFRIGERATOR                   | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | K                                                   | 830           |                |                                              | L       |                                                       |       | #10              |     |                             |                      | 18 |
| 19                           | DISHWASHER                     | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | K                                                   | 900           |                |                                              | L       | 20/2                                                  | 3/4"  | #10              | -   | #10                         | WALKWAY LIGHTING     | 20 |
| 21                           | DISPOSAL                       | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | K                                                   | 830           |                |                                              | L       |                                                       |       | #10              |     |                             |                      | 22 |
| 23                           | RANGE                          | 3/4"                                                         | #6            | #6             | #10                 | 50/2 | K                                                   | 900           |                |                                              | N       | 20/1                                                  | 1/2"  | #12              | #12 | E.W.C.                      | 24                   |    |
| 25                           |                                |                                                              | #6            |                |                     |      | K                                                   | 900           |                |                                              | N       | 20/1                                                  | 1/2"  | #12              | #12 | DOOR OPENER                 | 26                   |    |
| 27                           | SHUNT TRIP SPACE               | -                                                            | -             | -              | -                   | -    | -                                                   | 830           |                |                                              | N       | 20/1                                                  | 1/2"  | #12              | #12 | HOOD EXHAUST FAN            | 28                   |    |
| 29                           | AHU#1                          | 1/2"                                                         | #8            | -              | #10                 | 50/2 | A                                                   | 4170          |                |                                              | N       | 20/1                                                  | 1/2"  | #12              | #12 | MAKE-UP FAN & LIGHT         | 30                   |    |
| 31                           |                                |                                                              | #8            | A              |                     |      | A                                                   | 4170          |                |                                              | -       | -                                                     | -     | -                | -   | SHUNT TRIP SPACE            | 32                   |    |
| 33                           | CUF#1                          | 3/4"                                                         | #8            | -              | #10                 | 40/2 | A                                                   | 1700          |                |                                              | L       | 20/1                                                  | 3/4"  | #10              | #10 | FLIGHT POLE W/ LIGHTS       | 34                   |    |
| 35                           |                                |                                                              | #8            | A              |                     |      | A                                                   | 1030          |                |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | SOFFIT & CANOPY LIGHTING    | 36                   |    |
| 37                           | ISLAND APPLIANCE RECEPTACLES   | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | R                                                   | 150           |                |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | SOFFIT & CANOPY LIGHTING    | 38                   |    |
| 39                           | TIME CLOCKS & CONTACTOR        | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | C                                                   | 400           |                |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | GAME RM. & LIBRARY LIGHTING | 40                   |    |
| 41                           | RESTROOM LIGHTING & TEF-1      | 1/2"                                                         | #12           | #12            | #12                 | 20/1 | L                                                   | 830           |                |                                              | L       | 20/1                                                  | 1/2"  | #12              | #12 | KITCHEN & LAUNDRY LIGHTING  | 42                   |    |
| INTERTRIP RATING: 65,000 AIC |                                |                                                              |               |                |                     |      |                                                     |               |                | 26318 [21639]                                |         | FROM: WIREWAY                                         |       |                  |     |                             |                      |    |
| LOADS (IN VA )               |                                | CONNECTED                                                    | DEMAND FACTOR | MINIMUM FEEDER | LOADS               |      | CONNECTED                                           | DEMAND FACTOR | MINIMUM FEEDER | REMAINING CONTINUOUS LOADS 200_1.25_250      |         |                                                       |       |                  |     |                             |                      |    |
| LIGHTING                     |                                | 13340                                                        | 1.25          | 16675          | NON-SEASONAL MOTORS |      | 0                                                   | 1.0           | 0              | REMAINING NON-CONTINUOUS LOADS 3143_1.0_3143 |         |                                                       |       |                  |     |                             |                      |    |
| RECEPTS TO 10 KVA            |                                | 8640                                                         | 1.0           | 8640           | LARGEST MOTOR       |      | 0                                                   | 0.25          | 0              | DEMAND LOADS 0_1.0_0                         |         |                                                       |       |                  |     |                             |                      |    |
| RECEPTS REMAINING            |                                | 0                                                            | 0.5           | 0              |                     |      |                                                     |               |                |                                              |         |                                                       |       |                  |     |                             |                      |    |
| SPACE HEATING                |                                | 0                                                            | 0.0           | 0              | WATER HEATING       |      | 0                                                   | 1.0           | 0              | TOTAL CONNECTED LOAD 48_KVA_199.8_AMPS       |         |                                                       |       |                  |     |                             |                      |    |
| AIR CONDITIONING             |                                | 8944                                                         | 1.0           | 8944           | KITCHEN EQUIP.      |      | 13690                                               | 0.7           | 9583           | MIN. FEEDER/PANEL CAP. 47.2_KVA_196.8_AMPS   |         |                                                       |       |                  |     |                             |                      |    |
|                              |                                |                                                              |               |                |                     |      |                                                     |               |                | OVERALL DEMAND FACTOR 0.98                   |         |                                                       |       |                  |     |                             |                      |    |

[illegible]

- POWER RISER DIAGRAM NOTES**

  1. PROPOSED UTILITY COMPANY PAD MOUNTED TRANSFORMER. COORDINATE ROUGH IN LOCATION AND REQUIREMENTS FOR TRANSFORMER AND METER PRIOR TO COMMENCING ANY WORK.
  2. (2) 3-1/2" CONDUITS WITH 3#300 MCM CU IN EACH.  
ALTERNATE: (2) 3-1/2" CONDUITS WITH 3#400 MCM AL IN EACH.
  3. 600 AMP HEAVY DUTY METER PER UTILITY COMPANY SPECIFICATIONS. EC SHALL VERIFY ROUGH IN REQUIREMENTS OF METER PRIOR TO COMMENCING ANY WORK. CAUTION: MOST 600 AMP METERS DO NOT ALLOW LOAD SIDE CONDUCTORS TO EXIT METER CAN ABOVE THE LEVEL OF THE LOAD SIDE LUGS IN THE METER CAN, AND THE CAN DOES NOT PROVIDE FOR DIRECT ENTRY AND EXIT OF PARALLEL CONDUCTORS THROUGH THE BOTTOM OR SIDES OF THE METER CAN.
  4. 12 X 12 WP WIREWAY ABOVE METER TO ALLOW USE OF TOP ENTRY KNOCKOUTS FOR SERVICE LATERAL CONDUCTORS TO ALLOW BOTTOM KNOCKOUTS FOR LOAD SIDE CONDUCTORS.
  5. LIGHTNING ARRESTOR.
  6. #2/0 CU GROUNDING ELECTRODE CONDUCTOR. SEE GROUNDING ELECTRODE DETAIL, THIS SHEET.
  7. (2) 3-1/2" CONDUITS WITH 3#300 MCM CU, 1#1/0 CU GROUND IN EACH. RUN CONDUCTORS FULL LENGTH OF WIREWAY. PROVIDE 'POLARIS' TYPE CONNECTORS AND TAP ALL CONDUCTORS.  
ALTERNATE: (2) 3-1/2" CONDUITS WITH 3#400 MCM AL, 1#1/0 CU GROUND IN EACH.
  8. (2) 2-1/2" CONDUITS WITH 3#4/0 CU, 1#2 CU GROUND IN EACH.  
ALTERNATE: (2) 2-1/2" CONDUITS WITH 3#300 MCM, 1#2 CU GROUND IN EACH.
  9. 3/4" CONDUIT WITH 2#12 CU, 1#12 CU GROUND FROM GENERATOR TO REMOTE BREAK GLASS TYPE EMERGENCY SHUT OFF PUSH BUTTON LOCATED ADJACENT TO BLDG MAIN PANELS. PROVIDE ENGRAVED PLASTIC PLACARD WITH WHITE LETTERING ON RED BACKGROUND STATING "GENERATOR EMERGENCY SHUT OFF". CONSULT MANUFACTURERS INSTALLATION DRAWINGS FOR WIRING REQUIREMENTS.
  10. 2-1/2" CONDUIT WITH 3#250 MCM CU, 1#2 CU GROUND.
  11. PROVIDE 1" CONDUIT WITH PULL STRING TO POOL EQUIPMENT LOCATION. STUB UP 2' AFF AT POOL EQUIPMENT LOCATION. CAP AND LABEL CONDUIT.
  12. PROVIDE FUSED DISCONNECT OF ENCLOSED CIRCUIT BREAKER IN NEMA 1 ENCLOSURE. VERIFY LOAD REQUIREMENTS WITH POOL EQUIPMENT VENDOR/MANUFACTURER PRIOR TO ORDERING MATERIALS.
  13. 3-1/2" CONDUIT WITH 4#500 MCM CU, 1#2 CU GND.

