BADGER-HICKEY PARK RESTROOMS & SHELTER

LA CROSSE, WI 1007 PALACE STREET

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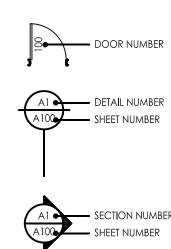
WOOD

METAL

INSULATION

SYMBOL LEGEND

ROOM ROOM NAME 100 - ROOM NUMBER window type WALL TAG TYPE



OWNER:

CITY OF LA CROSSE 400 LA CROSSE STREET LA CROSSE, WISCONSIN 54601 608.789.7200

ARCHITECT:

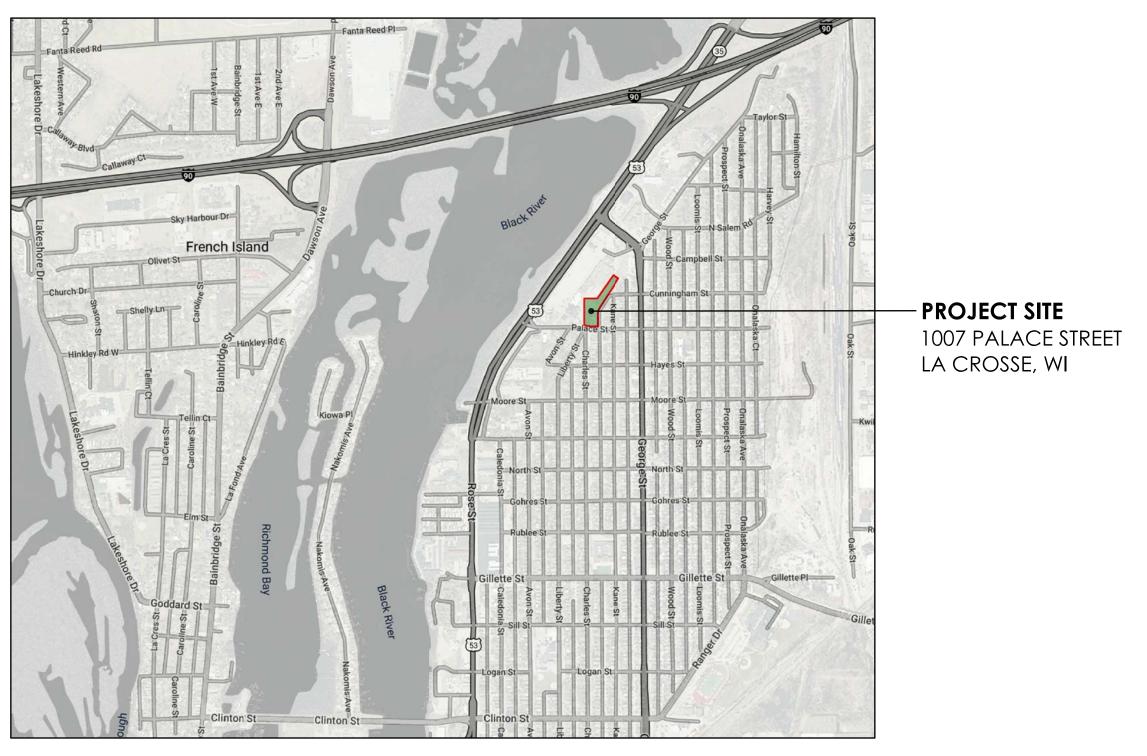
RIVER ARCHITECTS, INC. 740 7TH STREET NORTH LA CROSSE, WISCONSIN 54601 608.785.2217

STRUCTURAL:

MEYER BORGMAN JOHNSON 125 SOUTH BROADWAY, SUITE 200 DE PERE, WISCONSIN 54115 920.351.0525

PLUMBING/MECHANICAL/ELECTRICAL:

GALILEO CONSULTING GROUP, LLC 2920 EAST AVENUE SOUTH, SUITE 102 LA CROSSE, WISCONSIN 54601 608.787.9106



PROJECT LOCATION MAP



CLR

CO

CTR.

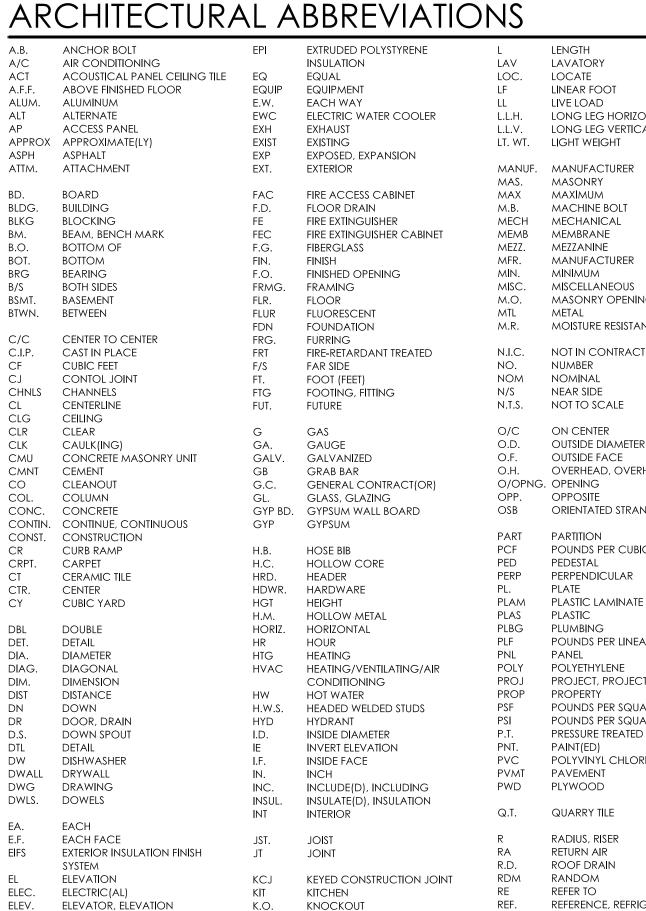
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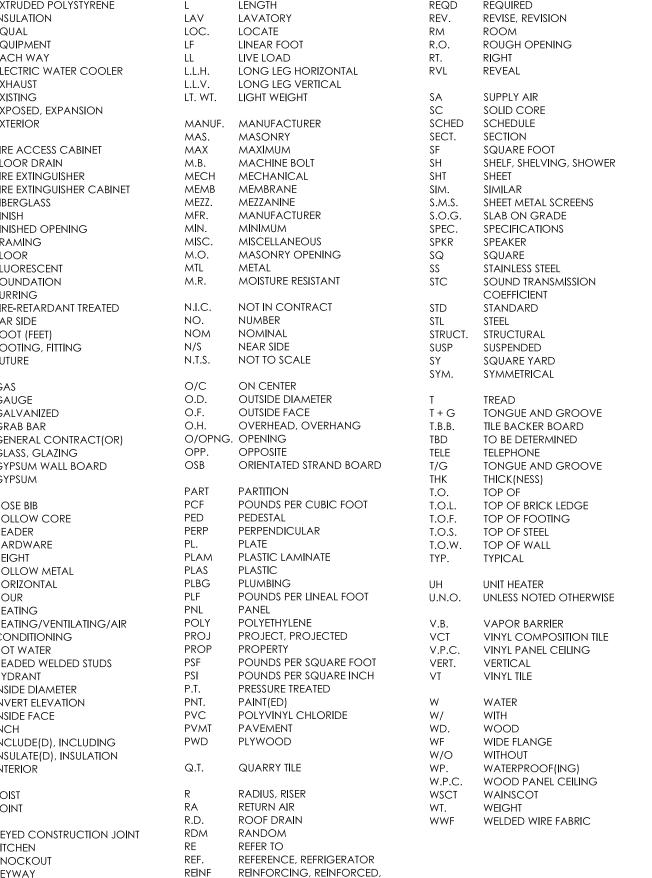
D.S.

ETHYLENE-PROPYLENE-DIENE

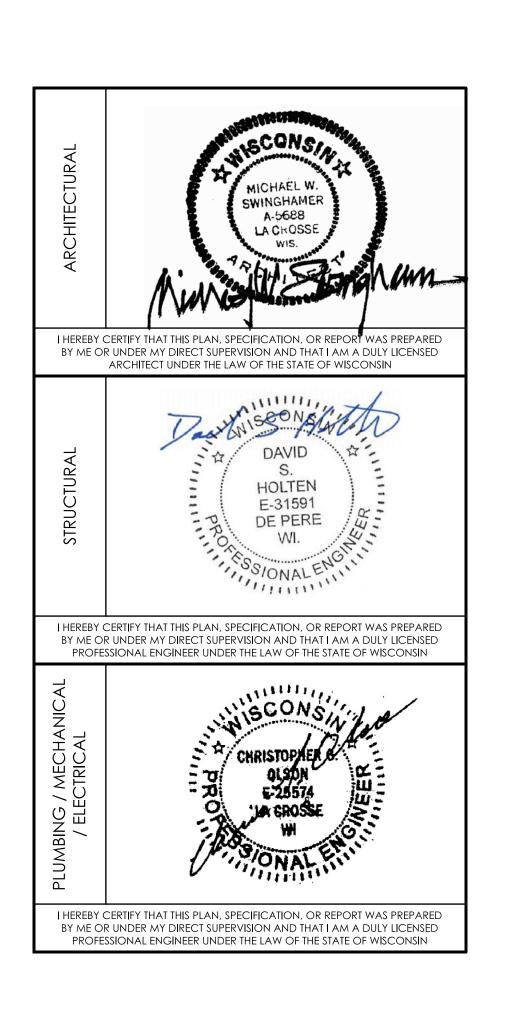
-MONOMER

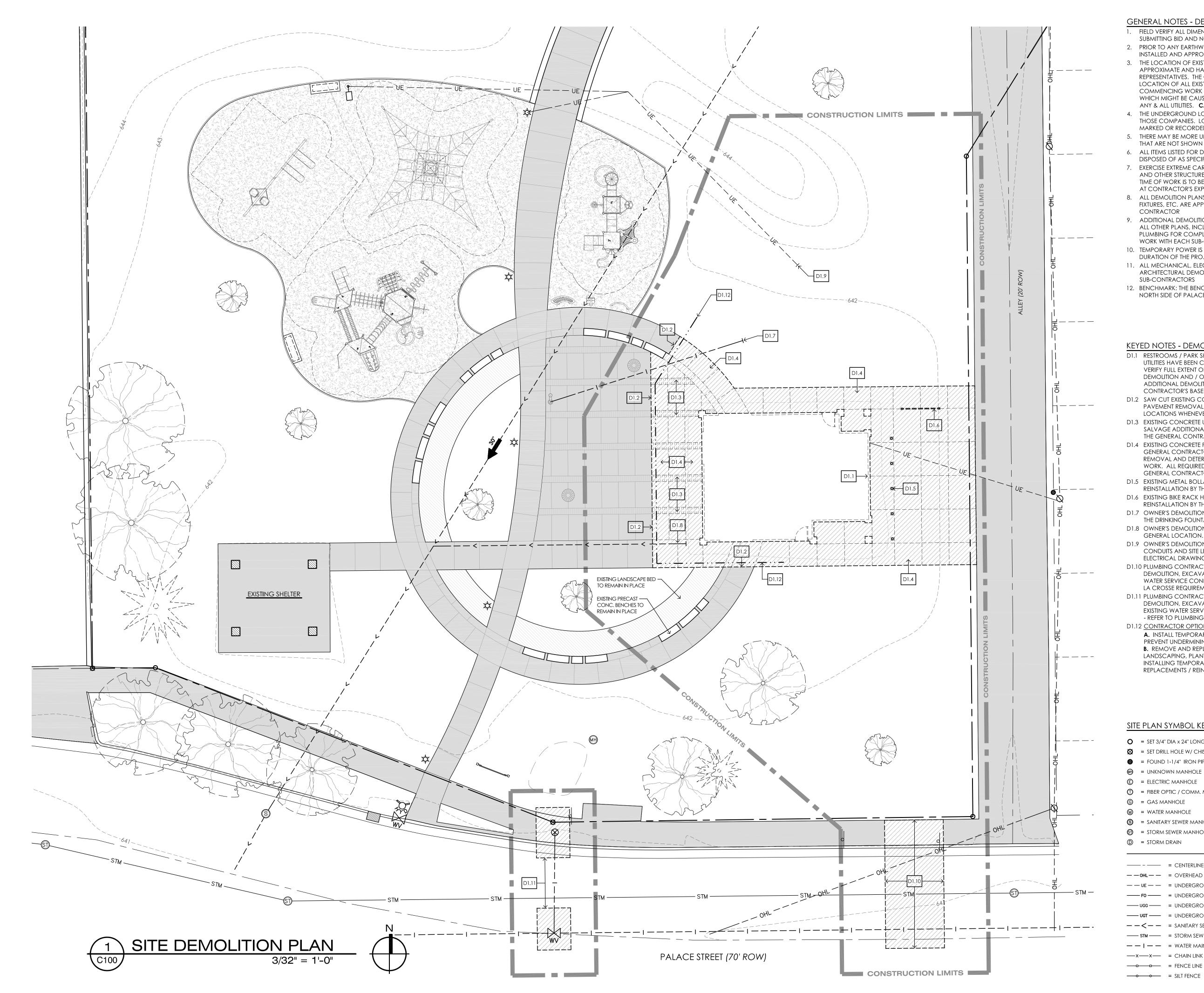
KWY.





REINFORCEMENT





GENERAL NOTES - DEMOLITION:

1. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT PROJECT SITE PRIOR TO SUBMITTING BID AND NOTIFY ARCHITECT OF DISCREPANCIES OR PERCEIVED DIFFICULTIES 2. PRIOR TO ANY EARTHWORK ACTIVITY, ALL EROSION CONTROL MEASURES SHALL BE

INSTALLED AND APPROPRIATE PERMITS SHALL BE OBTAINED

- 3. THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD, ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE & PRESERVE ANY & ALL UTILITIES. CALL DIGGERS HOT LINE (800) 242-8511
- 4. THE UNDERGROUND LOCATIONS OF PUBLIC UTILITIES WERE MARKED BY REPRESENTATIVES OF THOSE COMPANIES. LOCATIONS OF PRIVATELY OWNED UNDERGROUND UTILITIES WERE NOT MARKED OR RECORDED
- 5. THERE MAY BE MORE UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THESE PLANS
- 6. ALL ITEMS LISTED FOR DEMOLITION SHALL BE RE-USED OR REMOVED COMPLETELY AND DISPOSED OF AS SPECIFIED OR AS INDICATED
- 7. EXERCISE EXTREME CARE DURING DEMOLITION SO AS TO NOT DAMAGE CONSTRUCTION AND OTHER STRUCTURES THAT ARE INTENDED TO REMAIN. ANYTHING DAMAGED AT THE TIME OF WORK IS TO BE REPLACED AND/OR REPAIRED TO MATCH EXISTING CONSTRUCTION AT CONTRACTOR'S EXPENSE
- 8. ALL DEMOLITION PLANS ARE PROVIDED FOR REFERENCE ONLY. LOCATIONS OF PAVEMENT, FIXTURES, ETC. ARE APPROXIMATE AND SHALL BE VERIFIED BY THE DEMOLITION CONTRACTOR
- 9. ADDITIONAL DEMOLITION NOTES ARE INCLUDED THROUGHOUT THE DRAWINGS. REFER TO ALL OTHER PLANS, INCLUDING, BUT NOT LIMITED TO MECHANICAL, ELECTRICAL AND PLUMBING FOR COMPLETE SCOPE OF WORK TO BE INCLUDED. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR
- 10. TEMPORARY POWER IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT
- 11. ALL MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION ITEMS SHOWN ON THE ARCHITECTURAL DEMOLITION DRAWINGS ARE TO BE DEMOLISHED BY THE MEP SUB-CONTRACTORS
- 12. BENCHMARK: THE BENCHMARK IS THE TOP NUT OF THE FIRE HYDRANT LOCATED ON THE NORTH SIDE OF PALACE STREET. ELEVATION = 644.30 FEET

KEYED NOTES - DEMOLITION:

- D1.1 RESTROOMS / PARK SHELTER HAS BEEN DEMOLISHED AND REMOVED BY OWNER. EXISTING UTILITIES HAVE BEEN CAPPED AND MARKED ON SITE. GENERAL CONTRACTOR TO FIELD VERIFY FULL EXTENT OF OWNER'S DEMOLITION ACTIVITIES AND DETERMINE IF ADDITIONAL DEMOLITION AND / OR REMOVAL IS NECESSARY TO COMPLETE THE WORK. ALL REQUIRED ADDITIONAL DEMOLITION AND REMOVAL IS TO BE INCLUDED IN THE GENERAL CONTRACTOR'S BASE BID NUMBER
- D1.2 SAW CUT EXISTING CONCRETE PAVEMENT AS NECESSARY TO PREPARE FOR ADDITIONAL PAVEMENT REMOVAL. SAW CUTS TO BE ALIGNED WITH EXISTING CONTROL JOINT LOCATIONS WHENEVER POSSIBLE
- D1.3 EXISTING CONCRETE UNIT PAVERS HAVE BEEN SALVAGED BY OWNER. REMOVE AND SALVAGE ADDITIONAL CONCRETE UNIT PAVERS AS NECESSARY FOR REINSTALLATION BY THE GENERAL CONTRACTOR DURING NEW WORK
- D1.4 EXISTING CONCRETE PAVEMENT HAS BEEN DEMOLISHED AND REMOVED BY OWNER. GENERAL CONTRACTOR TO FIELD VERIFY EXACT EXTENTS OF OWNER'S PAVEMENT REMOVAL AND DETERMINE IF ADDITIONAL REMOVAL IS NECESSARY TO COMPLETE THE WORK. ALL REQUIRED ADDITIONAL PAVEMENT REMOVAL IS TO BE INCLUDED IN THE GENERAL CONTRACTOR'S BASE BID NUMBER
- D1.5 EXISTING METAL BOLLARDS HAVE BEEN REMOVED AND SALVAGED BY THE OWNER FOR REINSTALLATION BY THE G.C. DURING NEW WORK (TYPICAL 5 LOCATIONS)
- D1.6 EXISTING BIKE RACK HAS BEEN REMOVED AND SALVAGED BY THE OWNER FOR REINSTALLATION BY THE GENERAL CONTRACTOR DURING NEW WORK
- D1.7 OWNER'S DEMOLITION CONTRACTOR HAS TERMINATED THE EXISTING WATER SUPPLY FOR
- THE DRINKING FOUNTAIN IN THIS GENERAL LOCATION. REFER TO PLUMBING DRAWINGS D1.8 OWNER'S DEMOLITION CONTRACTOR HAS TERMINATED THE EXISTING SANITARY LINE IN THIS
- GENERAL LOCATION. REFER TO PLUMBING DRAWINGS D1.9 OWNER'S DEMOLITION CONTRACTOR HAS TERMINATED THE EXISTING UNDERGROUND CONDUITS AND SITE LIGHTING CIRCUITS IN THIS GENERAL LOCATION. REFER TO ELECTRICAL DRAWINGS
- D1.10 PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL STREET, CURB, GUTTER AND SIDEWALK DEMOLITION, EXCAVATION, BACKFILL AND COMPACTION AS NECESSARY TO MAKE A NEW WATER SERVICE CONNECTION TO THE EXISTING MUNICIPAL WATER MAIN PER THE CITY OF LA CROSSE REQUIREMENTS AND STANDARDS - REFER TO PLUMBING DRAWINGS
- D1.11 PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL STREET, CURB, GUTTER AND SIDEWALK DEMOLITION, EXCAVATION, BACKFILL AND COMPACTION AS NECESSARY TO CAP THE EXISTING WATER SERVICE PER THE CITY OF LA CROSSE REQUIREMENTS AND STANDARDS - REFER TO PLUMBING DRAWINGS

D1.12 CONTRACTOR OPTION:

A. INSTALL TEMPORARY SHORING AS REQUIRED PRIOR TO BUILDING EXCAVATION TO PREVENT UNDERMINING OF EXISTING CONSTRUCTION THAT IS TO REMAIN IN PLACE - OR -B. REMOVE AND REPLACE ADDITIONAL AREAS OF EXISTING PAVEMENT, UNIT PAVERS, LANDSCAPING, PLANTINGS, ETC. DISTURBED BY CONSTRUCTION ACTIVITIES IN LIEU OF INSTALLING TEMPORARY SHORING. ANY CONTRACTOR-DIRECTED ADDITIONAL REPLACEMENTS / REINSTALLATIONS ARE TO MATCH EXISTING CONDITIONS

SITE PLAN SYMBOL KEY:

- O = SET 3/4" DIA x 24" LONG IRON ROD ■ SET DRILL HOLE W/ CHISELED "+" ■ = FOUND 1-1/4" IRON PIPE
- © = ELECTRIC MANHOLE T = FIBER OPTIC / COMM. MANHOLE © = GAS MANHOLE
- W = WATER MANHOLE SANITARY SEWER MANHOLE
- (5) = STORM SEWER MANHOLE
- ----- = CENTERLINE -- OHL -- = OVERHEAD UTILITY LINE — — UE — — = UNDERGROUND ELECTRIC LINE ----- FO ---- = UNDERGROUND FIBER OPTIC
- ---- ugt ---- = UNDERGROUND COMMUNICATION --<-- = SANITARY SEWER LINE ------ STM ----- = STORM SEWER LINE
- ----x----- = CHAIN LINK FENCE (UNLESS NOTED) = FENCE LINE
- = PROPOSED SPOT ELEVATION --642-- = EXISTING CONTOUR LINE -- 670 -- = PROPOSED CONTOUR LINE = CONCRETE CURB + GUTTER ----- = LANDSCAPING EDGE
 - = EXISTING CONCRETE PAVEMENT TO REMAIN

= TOP NUT OF HYDRANT

= WATER GATE VALVE

GV ⋈ = GAS VALVE

= UTILITY POLE

= CONIFEROUS TREE

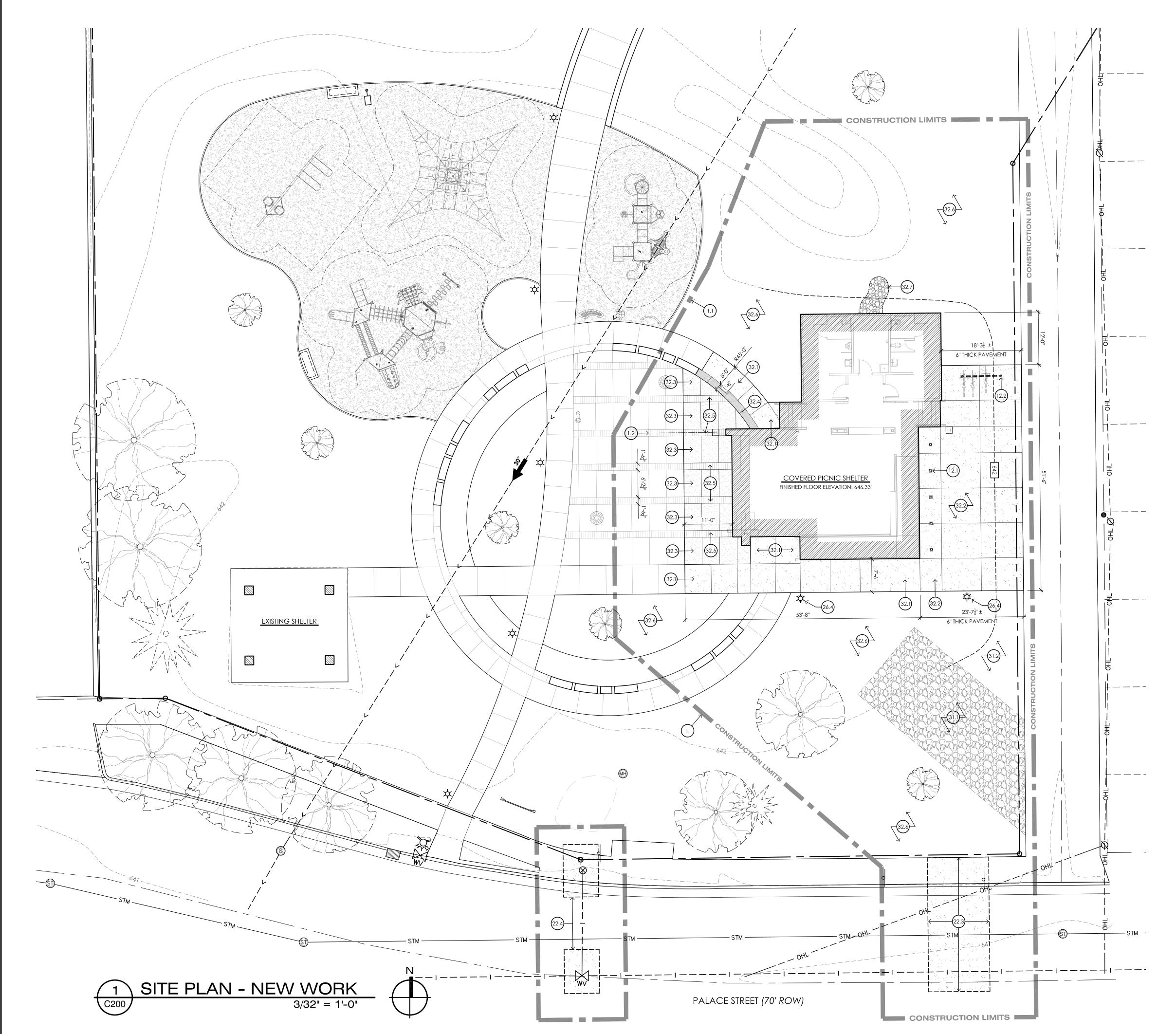
= DECIDUOUS TREE

100.00 ★ = EXISTING SPOT ELEVATION

= STORM WATER INLET / BASIN

GM □ = GAS METER __ = SIGN

SHEET No



GENERAL NOTES - CIVIL:

MARKED OR RECORDED

CONTRACTOR'S RESPONSIBILITY

- 1. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT PROJECT SITE PRIOR TO SUBMITTING BID AND NOTIFY ARCHITECT OF DISCREPANCIES OR PERCEIVED DIFFICULTIES 2. PRIOR TO ANY EARTHWORK ACTIVITY, ALL EROSION CONTROL MEASURES SHALL BE
- INSTALLED AND APPROPRIATE PERMITS SHALL BE OBTAINED 3. THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD, ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE & PRESERVE
- ANY & ALL UTILITIES. CALL DIGGERS HOT LINE (800) 242-8511 4. THE UNDERGROUND LOCATIONS OF PUBLIC UTILITIES WERE MARKED BY REPRESENTATIVES OF THOSE COMPANIES. LOCATIONS OF PRIVATELY OWNED UNDERGROUND UTILITIES WERE NOT
- 5. THERE MAY BE MORE UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THESE PLANS
- 6. BENCHMARK: THE BENCHMARK IS THE TOP NUT OF THE FIRE HYDRANT LOCATED ON THE
- NORTH SIDE OF PALACE STREET. <u>ELEVATION = 644.30 FEET</u> 7. CONTOURS SHOWN ARE FOR FINISHED SURFACES, ANY ADJUSTMENT TO SUBGRADE IS THE
- 8. ALL DISTURBED AREAS THAT ARE UNPAVED ARE TO BE LANDSCAPED OR RESTORED TO LAWN AS INDICATED ON SITE PLAN
- 9. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. HOWEVER, CONTRACTOR SHALL NOTIFY THE ENGINEER IF SPOT ELEVATIONS DO NOT
- APPEAR TO AGREE WITH THE CONTOURS AND SLOPES LABELED 10. ALL FINISHED GRADING SHALL PROVIDE FOR A SMOOTH TRANSITION TO UN-GRADED AREAS
- 11. SIDEWALKS TO HAVE A MINIMUM CROSS SLOPE OF 1/8" PER FOOT AND A MAXIMUM CROSS SLOPE OF 1/4" PER FOOT UNLESS NOTED OTHERWISE

STORM WATER POLLUTION PREVENTION NOTES:

1. REFER TO CITY OF LA CROSSE STANDARD EROSION CONTROL DETAILS FOR SILT FENCE AND SEDIMENT CONTROL MEASURES

AND BE SEEDED AS SPECIFIED WITHIN 7 DAYS OF FINAL SOIL DISTURBANCE

- 2. SEDIMENT CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION
- 3. ALL DISTURBED AREAS SCHEDULED FOR LAWN SHALL HAVE 4" MINIMUM TOPSOIL APPLIED,
- 4. SEED SHALL BE PLANTED IN A MANNER THAT ALLOWS THE SEED TO BE WORKED INTO THE SOIL AND COME IN FIRM CONTACT WITH THE SOIL
- 5. MAINTENANCE OF ALL INSTALLED EROSION AND SEDIMENT CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REMOVED WHEN NO LONGER NECESSARY
- 6. SILT FENCE SHALL BE PLACED DOWN SLOPE OF ALL SOIL STOCK PILES DURING CONSTRUCTION IF LEFT IN PLACE MORE THAN 7 DAYS. STOCK PILES SHALL BE SEEDED AND MULCHED IF LEFT FOR MORE THAN 14 DAYS
- 7. SEDIMENT DEPOSITED IN ROADWAYS OR RIGHT-OF-WAY DITCHES ADJACENT TO THE SITE AS A RESULT OF THIS WORK SHALL BE REMOVED. VEGETATION SHALL BE REESTABLISHED WHEN SEDIMENT REMOVAL DESTROYS THE EXISTING VEGETATION

KEYED NOTES:

- 1.1 FURNISH AND INSTALL SITE ENCLOSURE FENCE AS REQUIRED TO ENCLOSE PROJECT SITE AS DETERMINED SUFFICIENT TO ACCOMMODATE THE WORK. EXISTING PLAYGROUND AREAS AND SIDEWALKS ARE TO REMAIN OPEN TO THE GREATEST EXTENT POSSIBLE FOR THE
- 1.2 GRID LINE IS TO BE CENTERED ON EXISTING 18" WIDE BAND OF PRECAST PAVERS THIS SETS THE NORTH / SOUTH ALIGNMENT OF THE NEW SHELTER ON THE SITE
- 12.1 INSTALL SALVAGED METAL BOLLARDS (5 TOTAL)
- 12.2 INSTALL SALVAGED BIKE RACK SEE DETAIL 4/C500
- 22.3 PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL STREET PAVEMENT, CURB, GUTTER AND SIDEWALK REPLACEMENT AS NECESSARY AFTER MAKING NEW WATER SERVICE CONNECTION TO THE EXISTING MUNICIPAL WATER MAIN PER THE CITY OF LA CROSSE REQUIREMENTS AND STANDARDS - REFER TO PLUMBING DRAWINGS
- 22.4 PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL STREET PAVEMENT, CURB, GUTTER AND SIDEWALK REPLACEMENT AS NECESSARY AFTER CAPPING THE EXISTING WATER SERVICE PER THE CITY OF LA CROSSE REQUIREMENTS & STANDARDS - REFER TO PLUMBING DRWGS
- 26.4 NEW BOLLARD LIGHT FIXTURE SEE ELECTRICAL DRAWINGS 31.1 PROVIDE VEHICLE TRACKING CONTROL APRON AT LOCATION WHERE ENTERING AND
- EXITING THE SITE SEE DETAIL 7/C500
- 31.2 PROVIDE CONCRETE WASHOUT FACILITY IN THIS GENERAL AREA
- 32.1 4" THICK CONCRETE SIDEWALK SEE DETAIL 1/C500. THICKEN SIDEWALKS TO 6" MINIMUM DEPTH AT ALL RAILING MOUNTING POINTS (REFER TO 1/A100 FOR SHELTER FLOOR PLAN) 32.2 6" THICK CONCRETE PAVEMENT - SEE DETAIL 2/C500
- 32.3 5" THICK CONCRETE PAVEMENT (CUSTOM INTEGRAL COLOR 'A' TO MATCH EXISTING
- CONCRETE PAVEMENT) 32.4 12" THICK x 1'-8" WIDE CONCRETE GRADE BEAM (CUSTOM INTEGRAL COLOR 'B' TO MATCH EXISTING GRADE BEAMS)
- 32.5 REINSTALL SALVAGED CONCRETE UNIT PAVERS TO MATCH EXISTING CONDITIONS SEE DETAIL 3/C500 FOR SLAB DEPRESSIONS
- 32.6 ALL DISTURBED LAWN AREAS SHALL BE HYDRO SEEDED OR RECEIVE STRAW MULCH BLANKETS AFTER SEEDING TO REESTABLISH LAWN
- 32.7 RIVER ROCK COBBLESTONE AT STORMWATER OUTLET. FURNISH AND INSTALL METAL LANDSCAPE EDGING AROUND EXTENTS OF COBBLESTONE - SEE DETAIL 5/C500

SITE PLAN SYMBOL KEY:

- O = SET 3/4" DIA x 24" LONG IRON ROD ■ SET DRILL HOLE W/ CHISELED "+" ■ = FOUND 1-1/4" IRON PIPE
- = UNKNOWN MANHOLE © = ELECTRIC MANHOLE T = FIBER OPTIC / COMM. MANHOLE
- © = GAS MANHOLE W = WATER MANHOLE
- SANITARY SEWER MANHOLE (5) = STORM SEWER MANHOLE
- _____ = CENTERLINE — — OHL — — = OVERHEAD UTILITY LINE — — UE — — = UNDERGROUND ELECTRIC LINE ----- FO ---- = UNDERGROUND FIBER OPTIC
- —— ugt —— = UNDERGROUND COMMUNICATION - - < - - = SANITARY SEWER LINE----- STM ---- = STORM SEWER LINE

─── = SILT FENCE

- ----x----- = CHAIN LINK FENCE (UNLESS NOTED) = FENCE LINE
- 100.00 ★ = EXISTING SPOT ELEVATION = PROPOSED SPOT ELEVATION --642-- = EXISTING CONTOUR LINE

= TOP NUT OF HYDRANT

= WATER GATE VALVE

cv ⋈ = GAS VALVE

= UTILITY POLE

= CONIFEROUS TREE

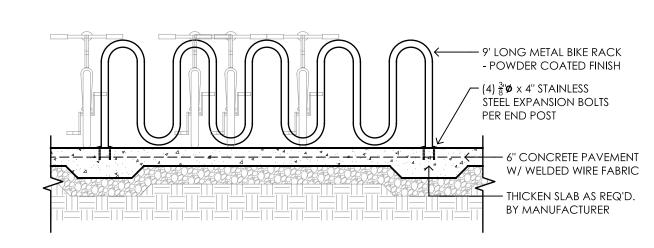
= DECIDUOUS TREE

= STORM WATER INLET / BASIN

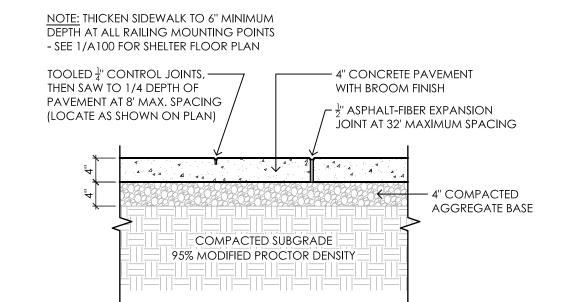
GM □ = GAS METER __ = SIGN

- -- 670 -- = PROPOSED CONTOUR LINE = CONCRETE CURB + GUTTER ----- = LANDSCAPING EDGE
 - PAVEMENT TO REMAIN
 - = EXISTING CONCRETE

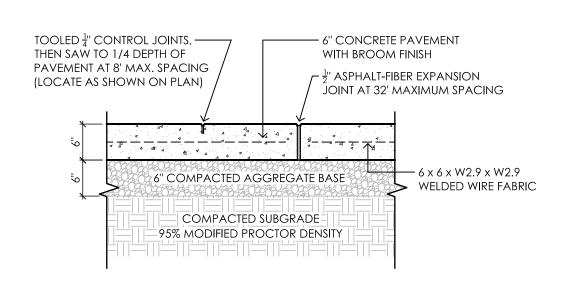
SPACING PER MANUFACTURER PLAN VIEW



BIKE RACK MOUNTING DETAIL











COMPACTED SUBGRADE

95% MODIFIED PROCTOR DENSITY

— INSTALL SALVAGED CONCRETE PAVERS

ON 1" MAX. SAND SETTING BED

—— 1" DIA. SCH 40 WEEP PIPES FLUSH W/

- FILL JOINTS W/ POLYMERIC SAND

TOP + BOT. OF CONC. AT 6'-0" O/C

- STAGGER, FILL W/ CLEAN PEA GRAVEL

— 6 x 6 x W2.9 x W2.9

WELDED WIRE FABRIC

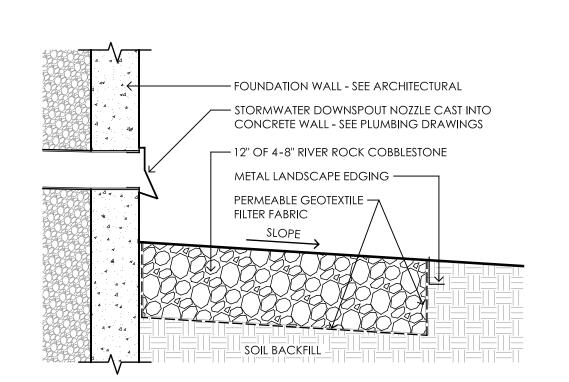
5" CONCRETE PAVEMENT -

WITH BROOM FINISH

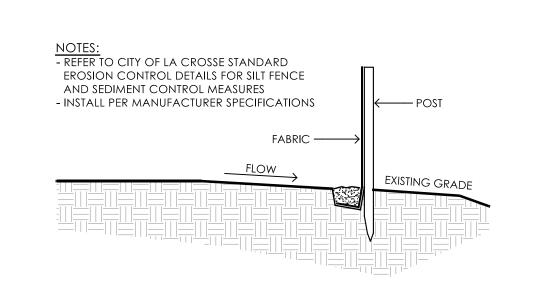
4" COMPACTED —

AGGREGATE BASE

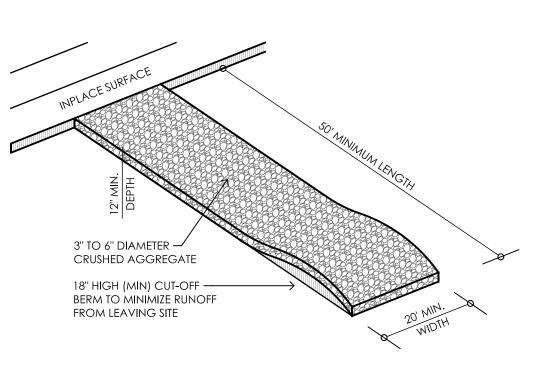
(INTEGRAL COLOR 'A')







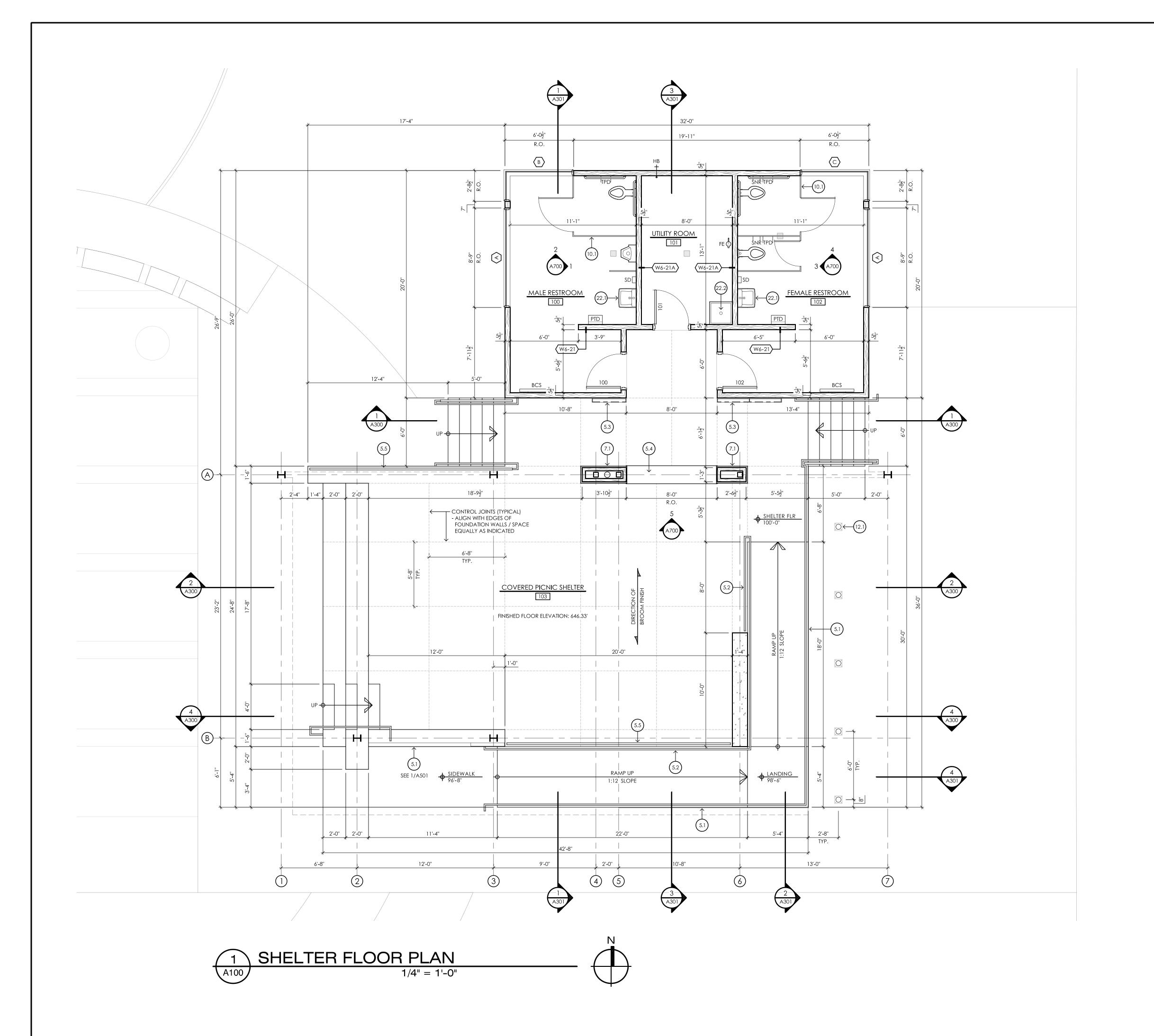




NOTES:
- PLACE PERMEABLE GEOTEXTILE FABRIC (WisDOT STANDARD SPEC 645 TYPE SAS) BENEATH ROCK TO PREVENT MUD MIGRATION THROUGH ROCK. - ENTRANCE MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS. FUGITIVE ROCK WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.







GENERAL NOTES:

- 1. VERIFY ALL DIMENSIONS AND CONDITIONS AT PROJECT SITE. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT / ENGINEER FOR FINAL DECISION
- 2. SEE SHEET A110 FOR REFLECTED CEILING PLAN
- 3. SEE SHEET A600 FOR ROOM FINISH SCHEDULE, DOOR AND HARDWARE SCHEDULE, AND PARTITION TYPES
- 4. DIMENSIONS ON FLOOR PLANS ARE TAKEN FROM FACE OF
- FRAMING/MASONRY, UNLESS NOTED OTHERWISE
- 5. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS
- for additional Items and notes 6. PROVIDE BLOCKING FOR ALL WALL AND CEILING MOUNTED ACCESSORIES INCLUDING, BUT NOT LIMITED TO CASEWORK, COAT
- HOOKS, TOILET ACCESSORIES, FIRE EXTINGUISHERS, SIGNAGE AND ANY OTHER OWNER-PROVIDED EQUIPMENT AND ACCESSORIES 7. VERIFY WITH OWNER THE EXACT HEIGHT AND LOCATION OF ALL
- WALL MOUNTED AND CEILING MOUNTED EQUIPMENT 8. ALL MECHANICAL, PLUMBING, & ELECTRICAL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE SLEEVED AND FIRESTOPPED AND/OR HAVE FIRE DAMPERS EQUIVALENT TO THE FIRE RATING OF THE CONSTRUCTION
- 9. ALL PARTITION WALLS EXTEND TO STRUCTURE ABOVE UNLESS OTHERWISE NOTED

KEYED NOTES:

- 5.1 STEEL PLATE GUARDRAIL (GALVANIZED, PAINTED FINISH) 5.2 STEEL PIPE HANDRAIL W/ TUBE POSTS (GALVANIZED, PAINTED)
- 5.3 ALTERNATE BID #1: PROVIDE AND INSTALL BI-PARTING STEEL SECURITY GATE W/ BOX TRACK SLIDING DOOR HARDWARE - REFER TO DETAILS 6/A500, 4/A501
- 5.4 STEEL PLATE CAP / TRIM AROUND ALL SIDES OF WALL OPENING (GALVANIZED, PAINTED FINISH)
- 5.5 STEEL GUARDRAIL W/ RECTANGULAR TUBE POSTS AND WELDED WIRE MESH INFILL PANELS (GALVANIZED, PAINTED FINISH) 7.1 FIBER-CEMENT SIDING PANELS (SMOOTH, PAINTED FINISH)
- 10.1 SOLID HDPE TOILET COMPARTMENTS FLOOR MOUNTED, OVERHEAD BRACED
- 12.1 INSTALL SALVAGED METAL BOLLARDS (5 TOTAL) 22.1 WALL-HUNG SINK - REFER TO PLUMBING
- 22.2 MOP SINK W/ 12" HIGH S.S. WALL GUARDS REFER TO PLUMBING

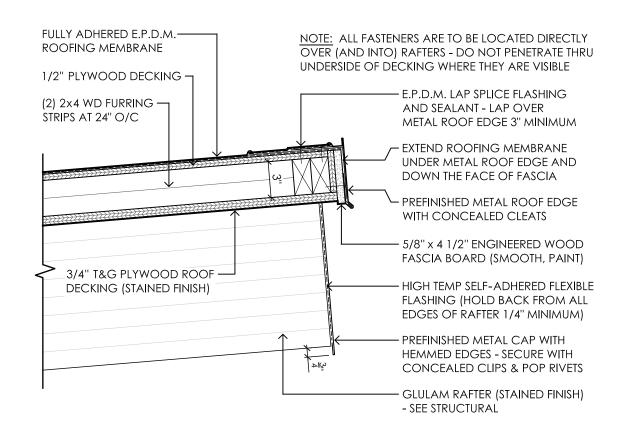
EQUIPMENT ABBREVIATIONS:

BCS BABY CHANGING STATION

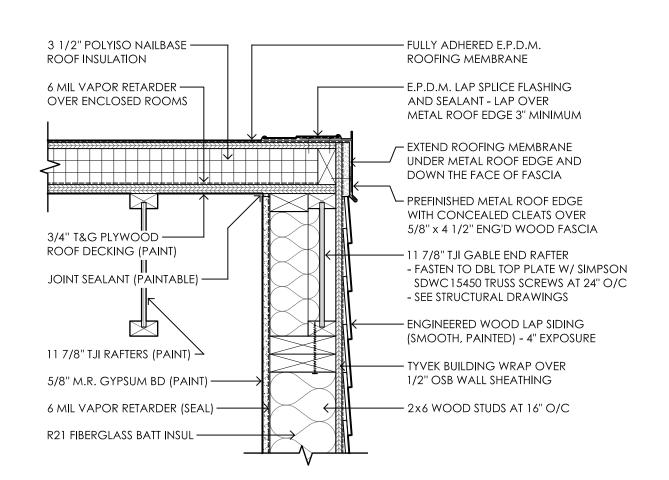
- CH COAT HOOK
- EHD ELECTRIC HAND DRYER EWC ELECTRIC WATER COOLER
- FEC RECESSED FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER GB GRAB BAR
- PTD PAPER TOWEL DISPENSER - SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR
- RH ROBE HOOK
- SOAP DISPENSER - SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR
- SNR SANITARY NAPKIN RECEPTACLE SRC SHOWER ROD AND CURTAIN
- TPD TOILET PAPER DISPENSER
- SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR
- WR WASTE RECEPTACLE - SUPPLIED BY OWNER

TOILET ACCESSORIES RESPONSIBILITY:

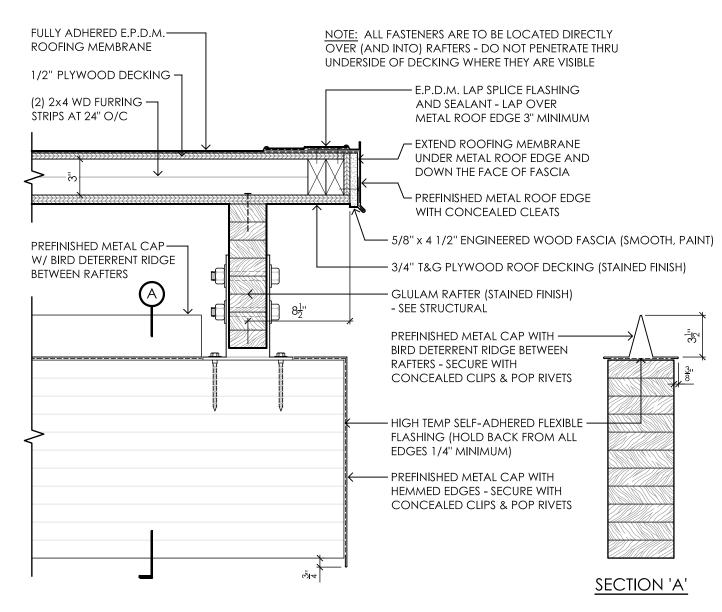
- OWNER SUPPLIED / OWNER INSTALLED: WASTE RECEPTACLES
- OWNER SUPPLIED / CONTRACTOR INSTALLED:
- PAPER TOWEL DISPENSERS
- SOAP DISPENSERS
- TOILET PAPER DISPENSERS SHARPS CONTAINTERS
- CONTRACTOR SUPPLIED / CONTRACTOR INSTALLED:
- GRAB BARS
- MIRRORS
- BABY CHANGING STATIONS SANITARY NAPKIN RECEPTACLE UNITS









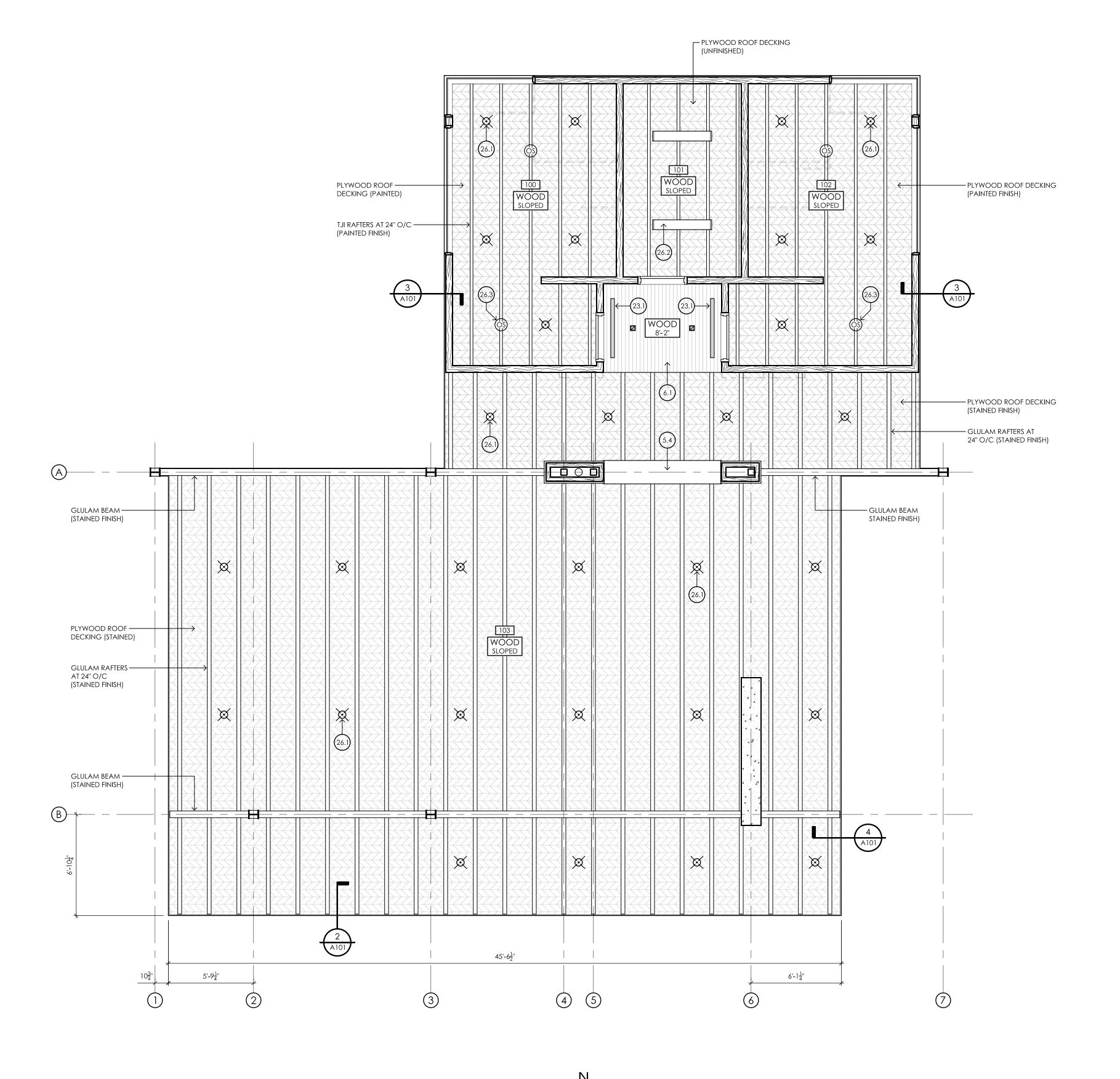




DGER-HICKEY PARK RESTROOMS & SHELTE
OF LA CROSSE, WI

CITY OF LA CROSSE, WI

A101



REFLECTED CEILING PLAN

1/4" = 1'-0"

GENERAL NOTES - CEILING PLANS:

- 1. VERIFY ALL DIMENSIONS AND CONDITIONS AT PROJECT SITE. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR FINAL DECISION
- 2. CEILING HEIGHT ELEVATIONS ARE REFERENCED FROM THE FLOOR SLAB OF EACH SPACE TO THE UNDERSIDE OF CEILING / ROOF FRAMING MEMBERS
- 3. DIMENSIONS ARE TAKEN FROM FACE OF FRAMING MEMBERS / MASONRY, UNLESS NOTED OTHERWISE
- 4. PAINT ALL EXPOSED ELECTRICAL CONDUIT / EQUIPMENT TO MATCH THE ADJACENT WALL OR FINISHES
- 5. REFLECTED CEILING PLANS ILLUSTRATE CEILING LAYOUT ONLY. REFER TO ELECTRICAL DRAWINGS FOR SMOKE DETECTORS, EXIT SIGNS, HORN STROBES, AND OTHER RELATED SAFETY INFORMATION NOT SHOWN ON THIS PLAN
- 6. REFER TO MEP DRAWINGS, SPECIFICATIONS, AND SCHEDULES FOR TYPES AND QUANTITIES OF FIXTURES AND EQUIPMENT SHOWN ON THIS PLAN
- 7. VERIFY SIZE, LOCATION, AND QUANTITY OF ACCESS PANELS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION
- 8. ALL RECESSED LIGHTS, SPEAKERS, OCCUPANCY SENSORS, ETC. SHALL BE CENTERED BETWEEN EXPOSED RAFTERS OR IN CEILING TILES UNLESS OTHERWISE NOTED
- 9. ALL METAL LINEAR DIFFUSERS AND SHOP PRIMED ACCESS PANELS SHALL BE PAINTED TO MATCH SURROUNDING WALL OR CEILING FINISHES
- 10. DETAIL CALL-OUTS SHOWN ON THE REFLECTED CEILING PLANS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OTHERWISE

KEYED NOTES:

- 5.4 STEEL PLATE CAP / TRIM AROUND ALL SIDES OF WALL OPENING (GALVANIZED, PAINTED FINISH)
- 6.1 1x4 CEDAR TONGUE & GROOVE SOFFIT (STAINED FINISH) - SMOOTH, FLUSH JOINT OR NICKEL GAP PROFILE - ALIGN JOINTS IN SOFFIT WITH ADJACENT CEDAR SIDING
- 23.1 MECHANICAL RETURN / EXHAUST GRILLE REFER TO MECHANICAL DRAWINGS
- 26.1 PENDANT-MOUNTED LIGHT FIXTURE, TYPICAL REFER TO ELECTRICAL DRAWINGS. ALL ELECTRICAL CONDUIT TO BE RUN ABOVE WOOD DECKING IN FURRING / NAILBASE INSULATION SPACE (NO EXPOSED CONDUIT)
- 26.2 SURFACE-MOUNTED STRIP LIGHT FIXTURE, TYPICAL REFER TO ELECTRICAL DRAWINGS. EXPOSED CONDUIT ALLOWED WITHIN UTILITY ROOM ONLY.
- 26.3 OCCUPANCY SENSOR, TYPICAL REFER TO ELECTRICAL

CEILING PLAN SYMBOL KEY:

100 ROOM NUMBER — CEILING TYPE — CEILING HEIGHT



GRID-MOUNTED RECESSED LIGHT FIXTURE

SURFACE-MOUNTED STRIP LIGHT FIXTURE

RECESS-MOUNTED SQUARE DOWNLIGHT FIXTURE

PENDANT-MOUNTED LIGHT FIXTURE

CEILING MOUNTED EXIT SIGN

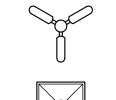
OCCUPANCY SENSOR CAMERA LOCATION

CEILING MOUNTED SPEAKER

CEILING FAN

SMOKE DETECTOR

WIRELESS ACCESS POINT



SUPPLY AIR DIFFUSER



RETURN / EXHAUST AIR GRILLE

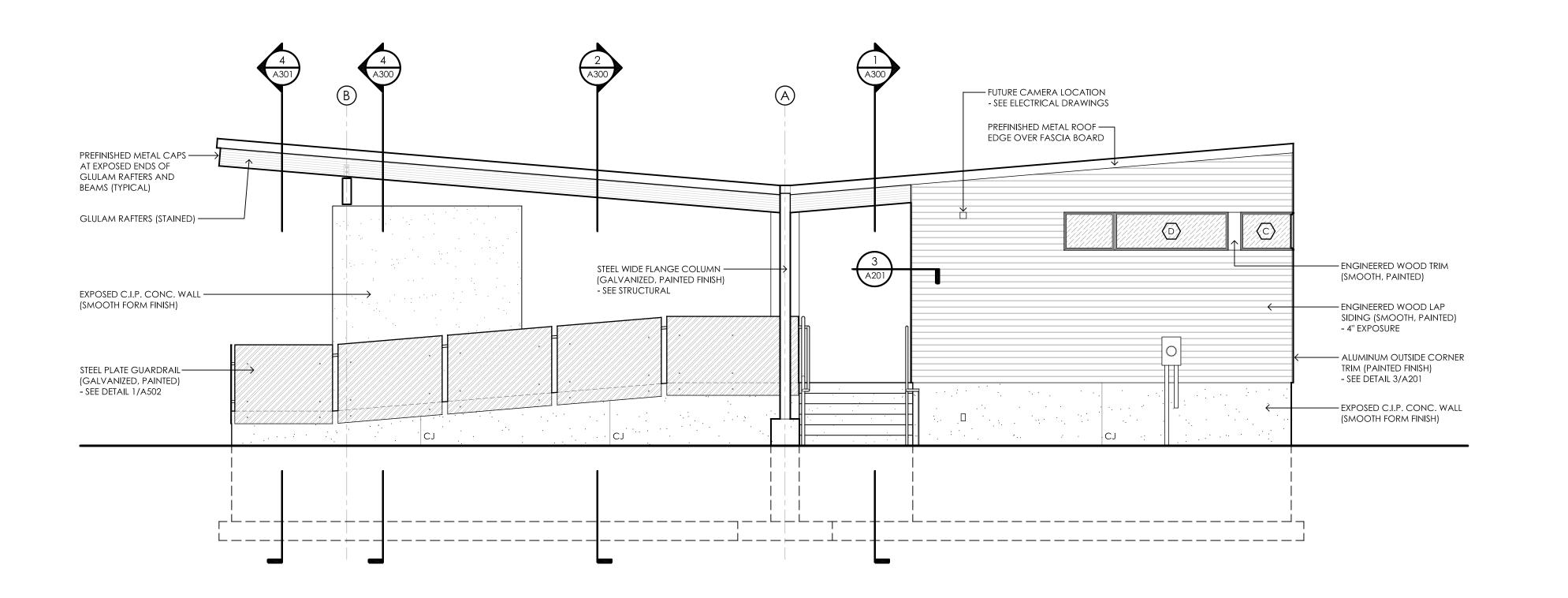


LINEAR SLOT DIFFUSER

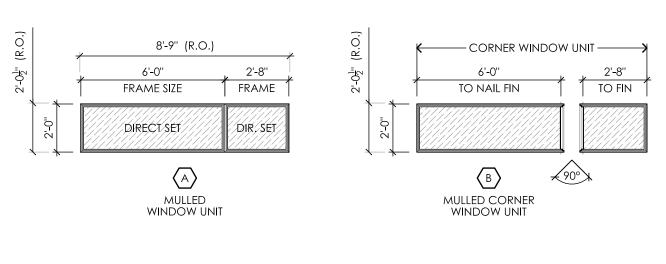
NORTH ELEVATION

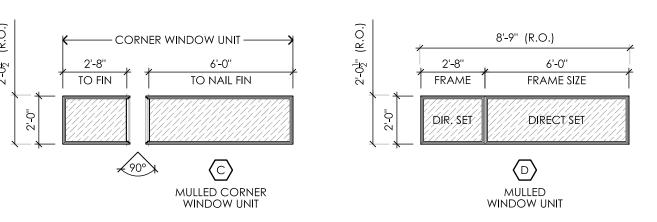
EAST ELEVATION

1/4" = 1'-0"

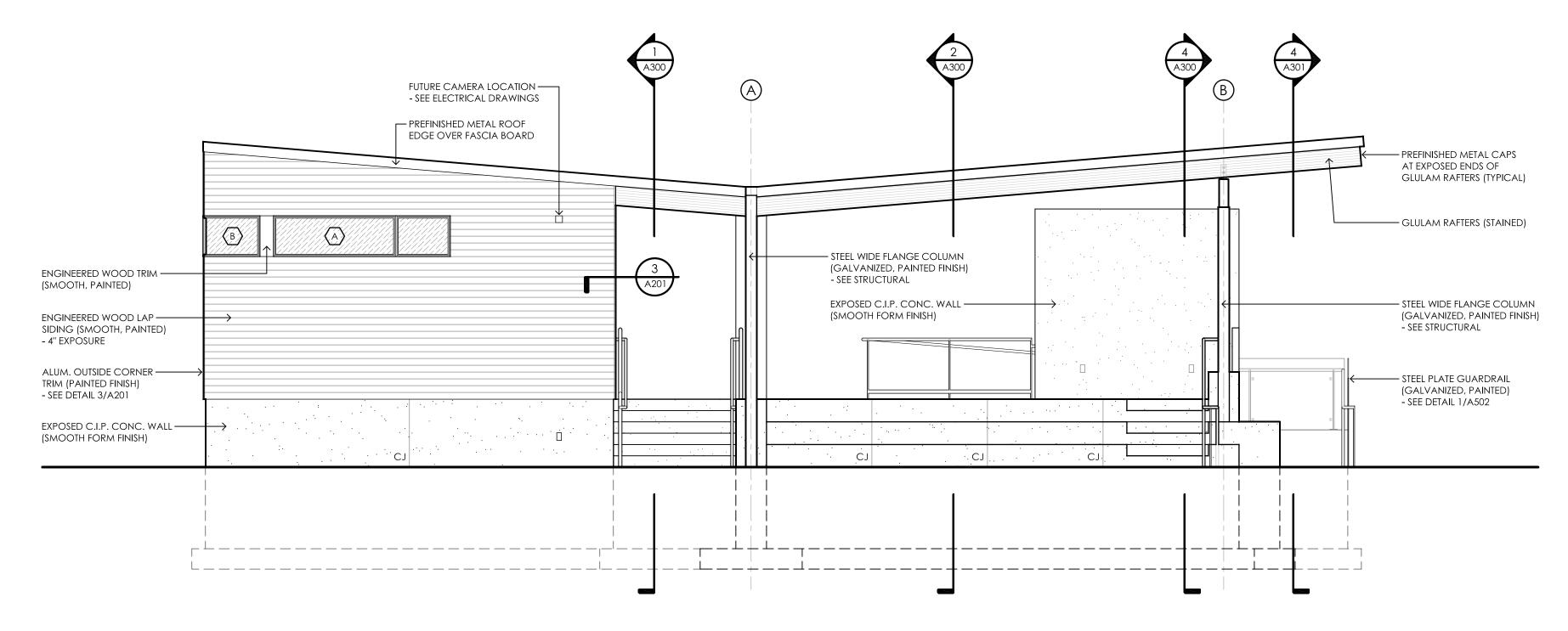


ALUMINUM-CLAD WOOD WINDOWS - TYPICAL ALL UNITS

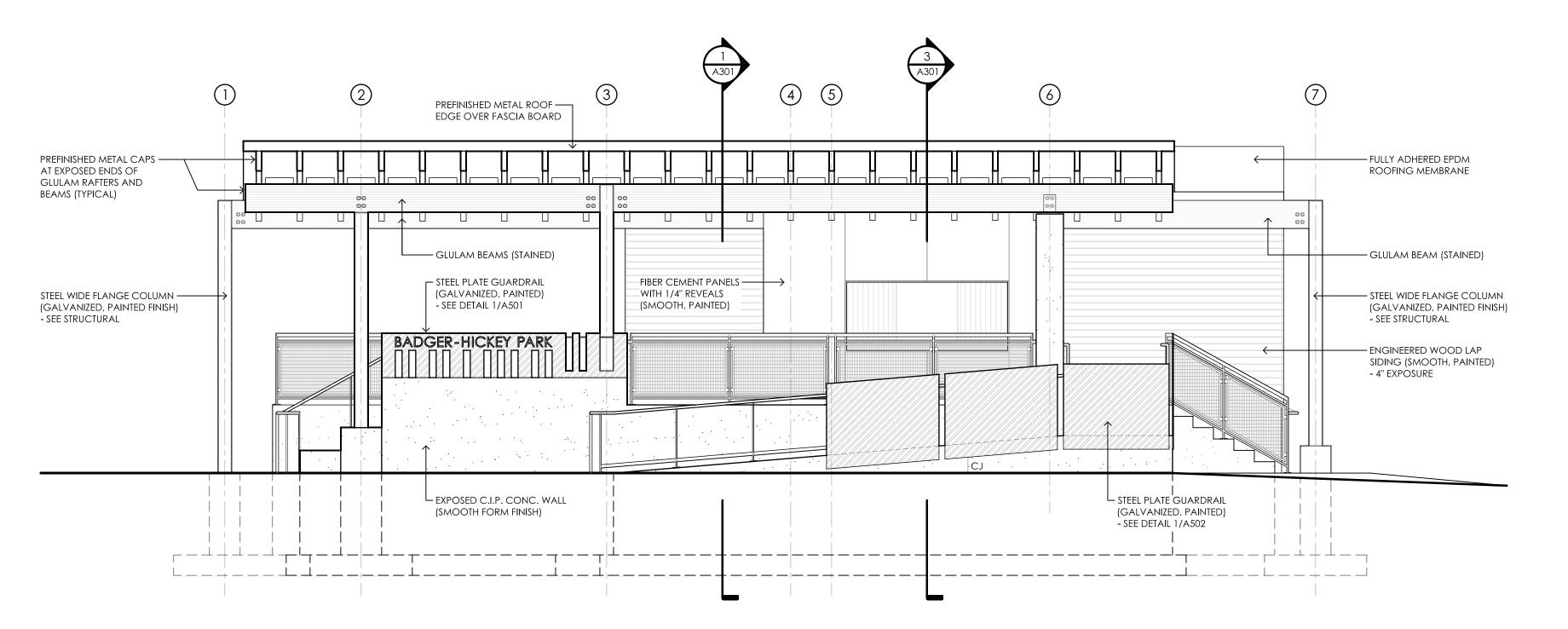




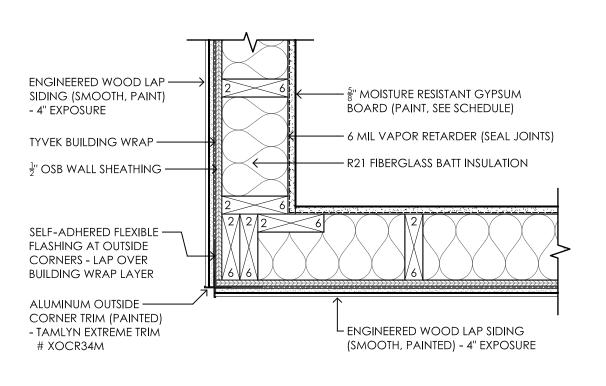
D**GER - HICKEY** I OF LA CROSSE, WI



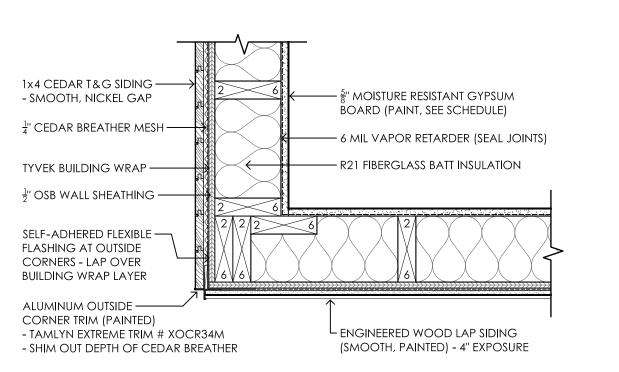
SOUTH ELEVATION



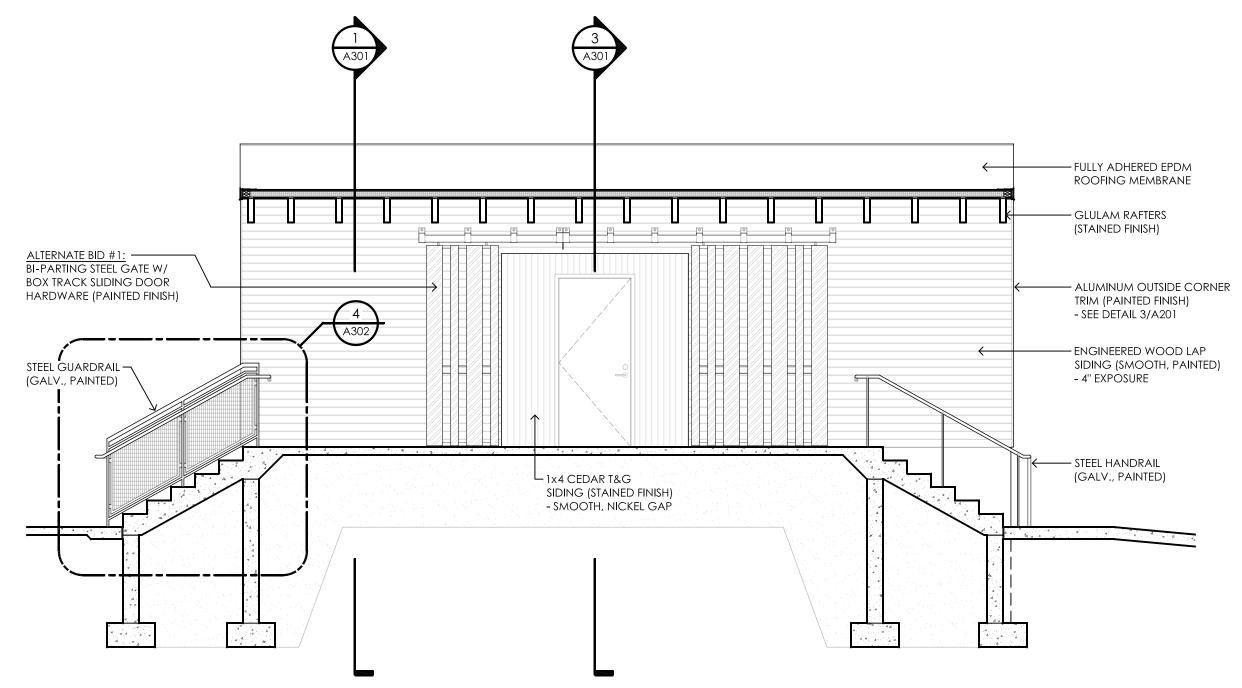
WEST ELEVATION



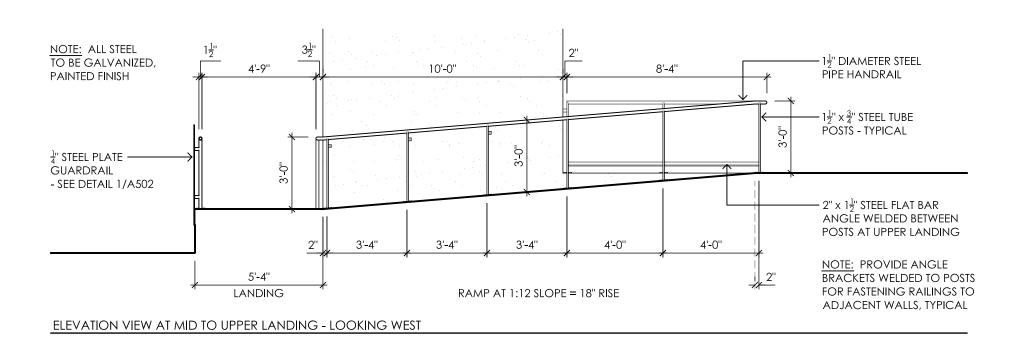


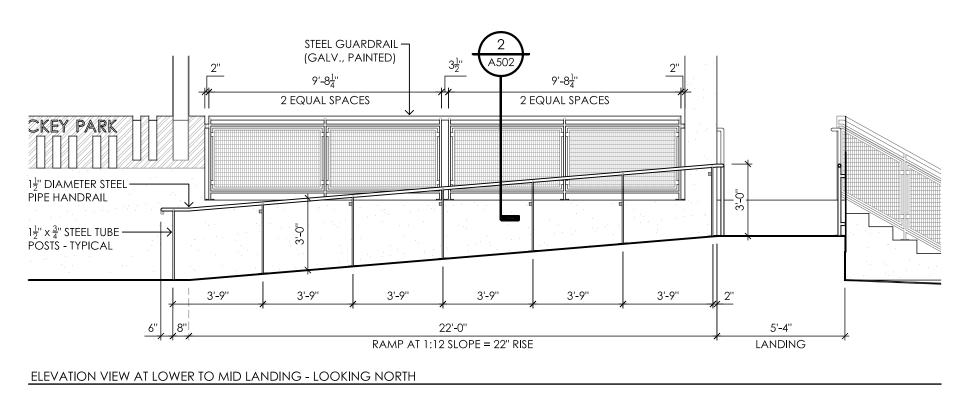




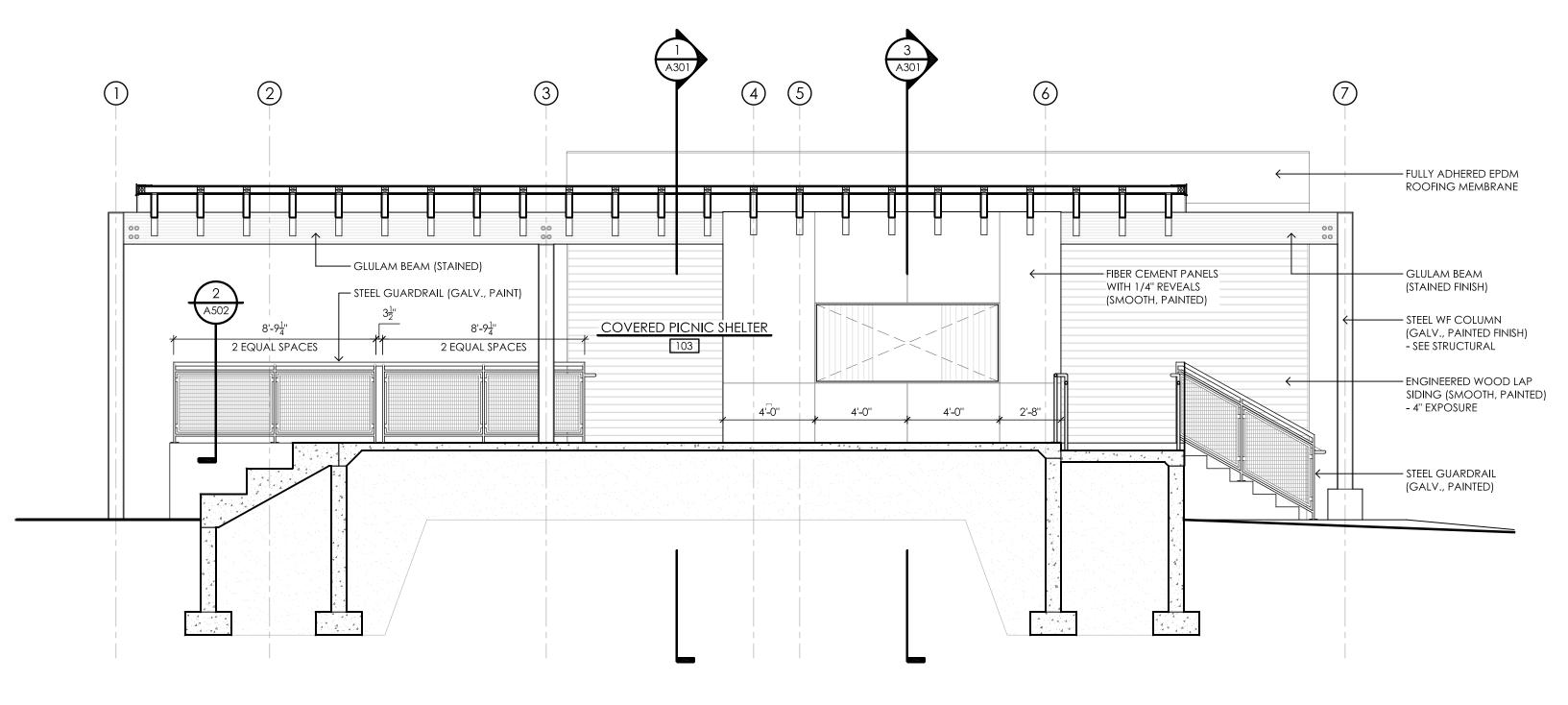




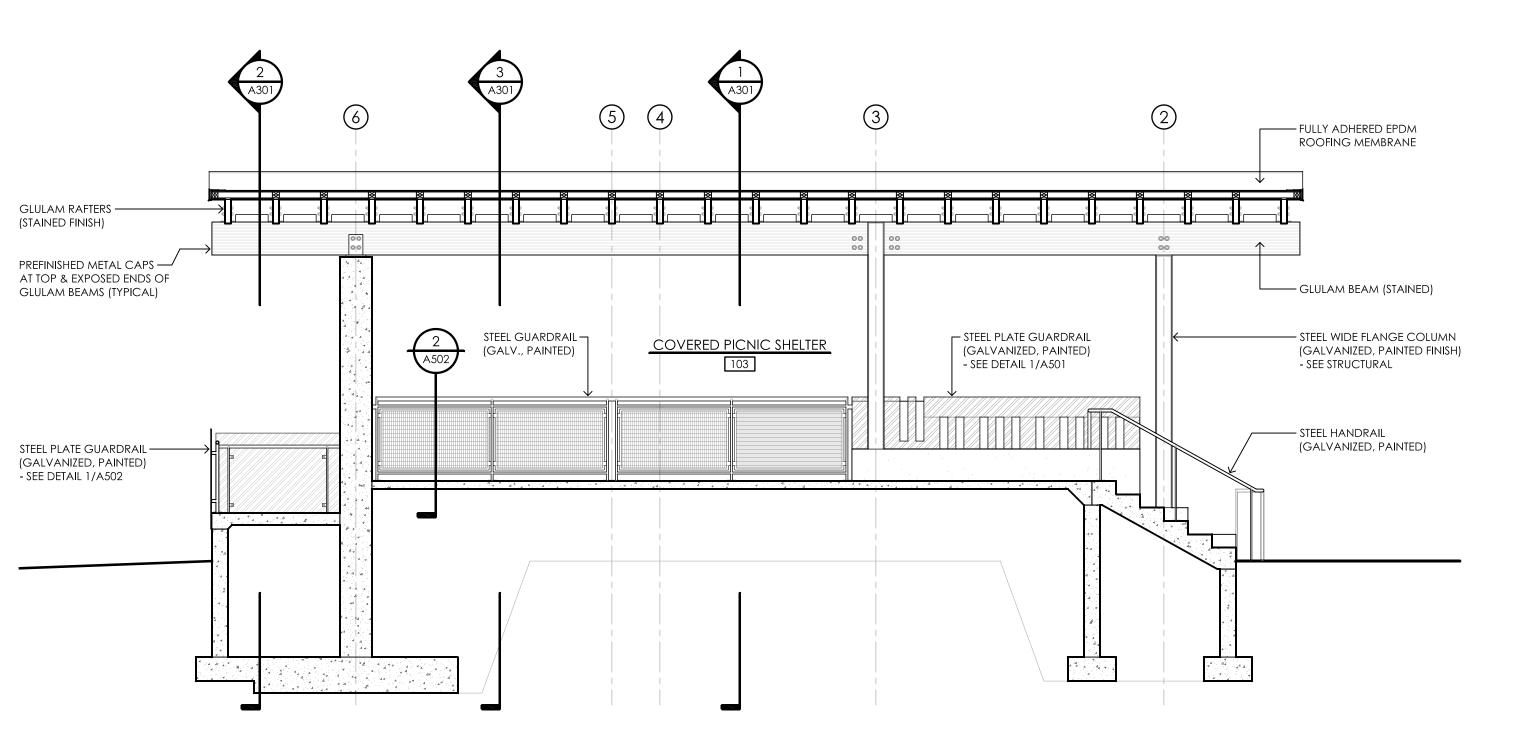








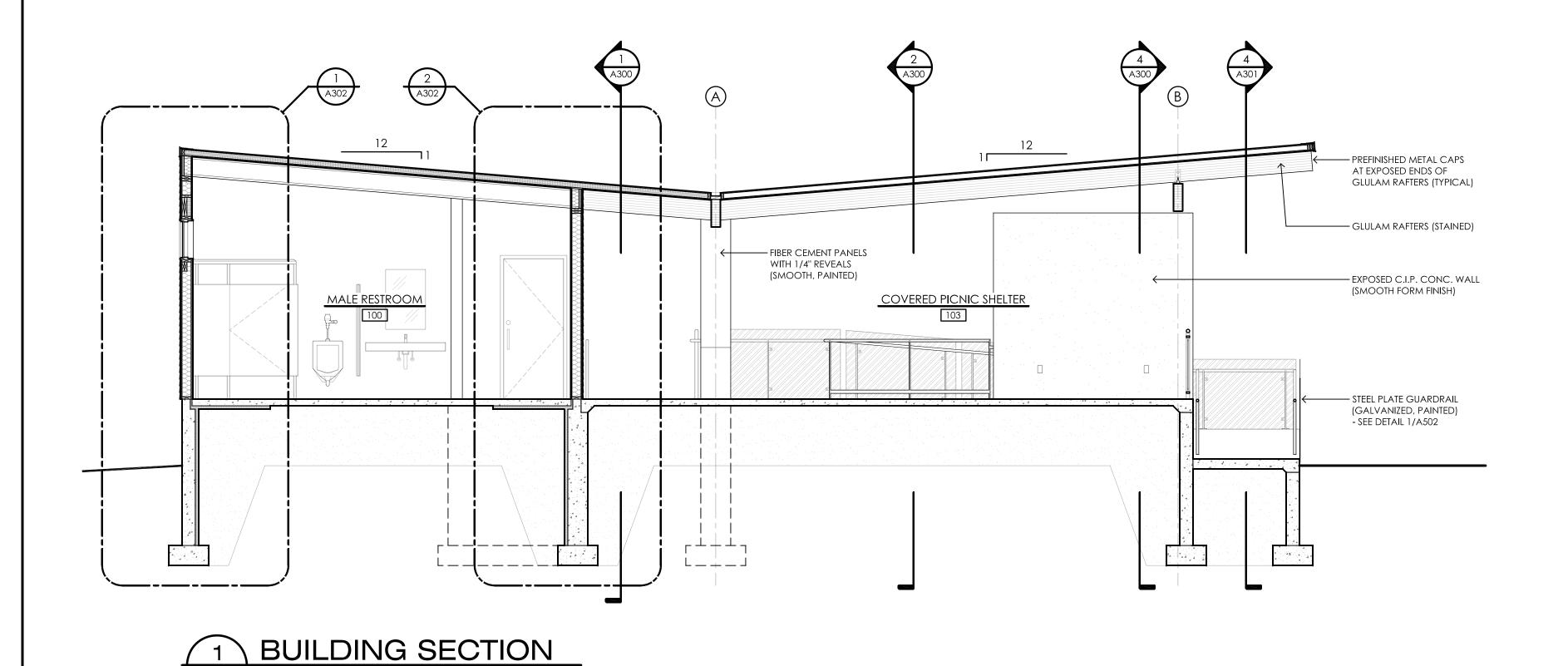


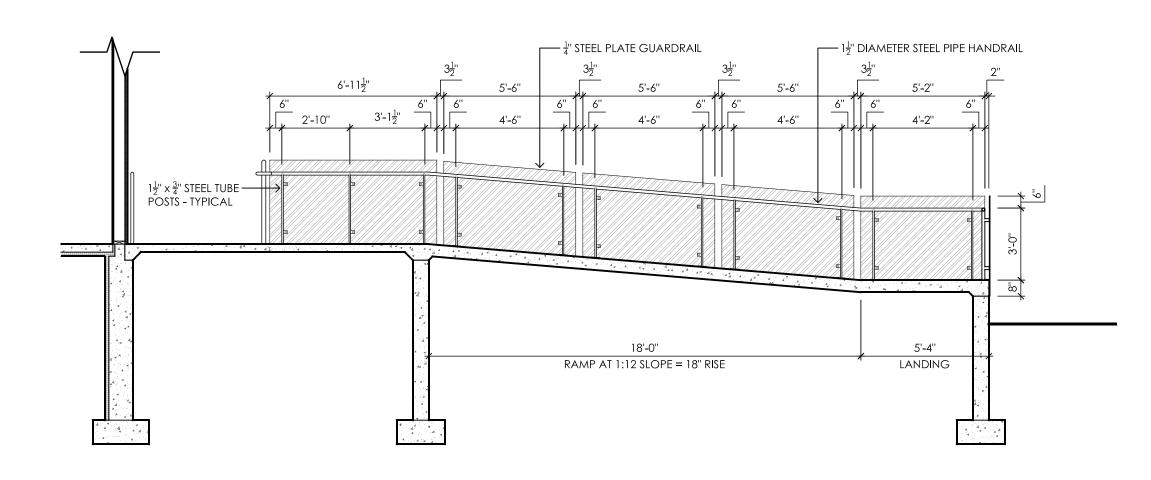


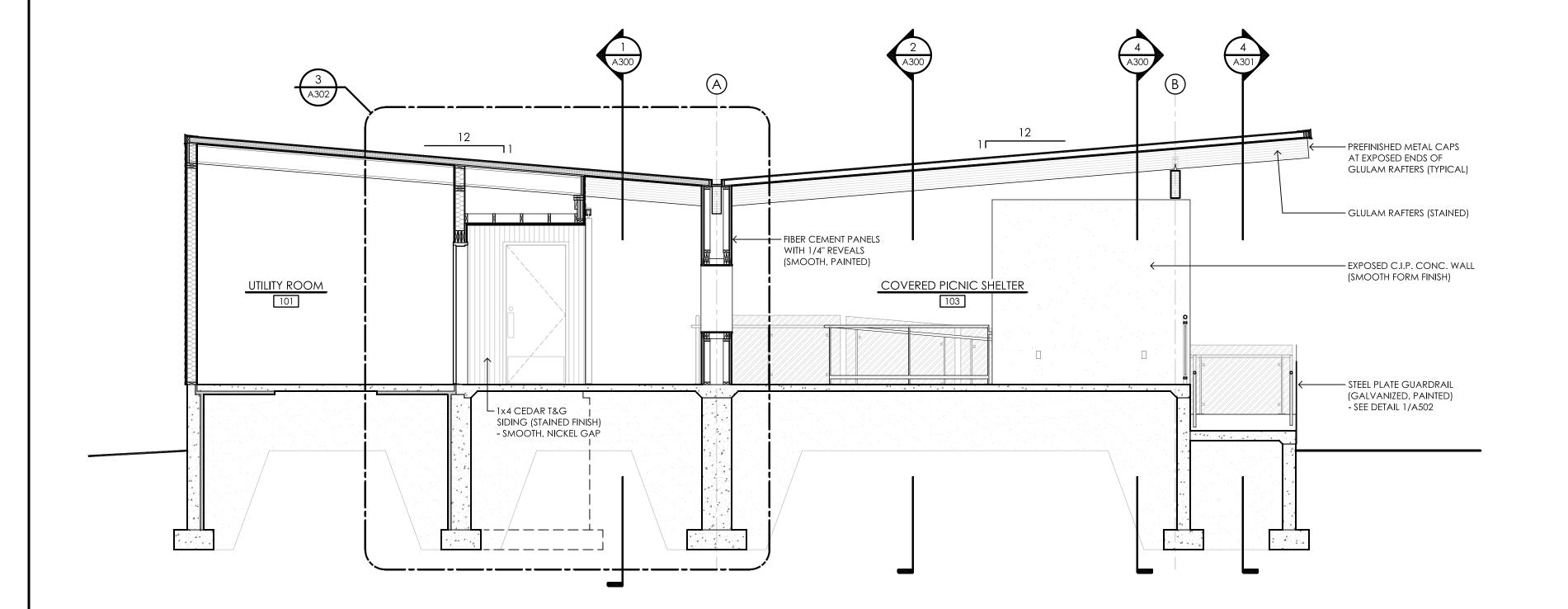
BUILDING SECTION

OGER - HICKEY DE LA CROSSE, WI

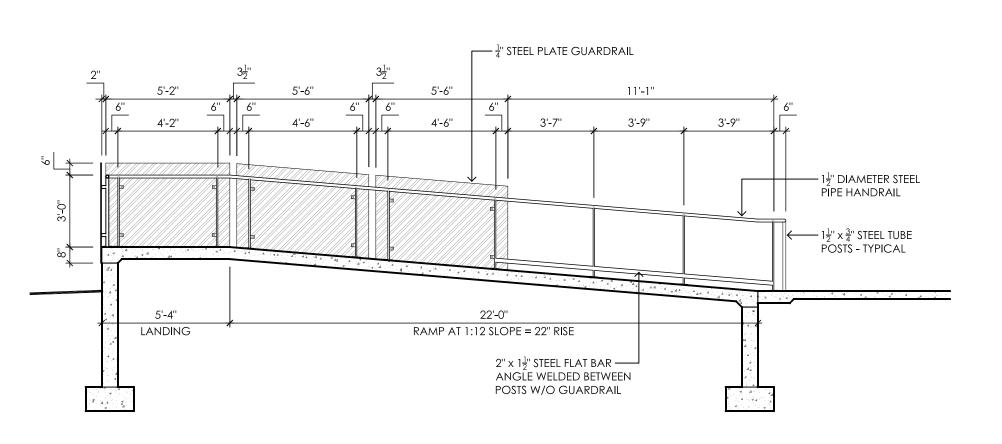
SHEET No







BUILDING SECTION



4 RAMP SECTION AT LOWER LANDING

SHEET No

- INTEGRAL METAL GUTTER BELOW

EPDM ROOFING MEMBRANE

- SLOPED TO ROOF DRAIN

 $-\frac{1}{2}$ " PLYWOOD DECKING OVER 2x WOOD FURRING

- FIBER CEMENT PANELS

(SMOOTH, PAINTED)

OPENING HEADER

- STEEL PLATE CAP / TRIM

AROUND WALL OPENING

(GALVANIZED, PAINTED)

COVERED

PICNIC SHELTER

Ψ ELEV: 106'-0³/₄"

SLAB ON GRADE

– 18" C.I.P. CONCRETE

FOUNDATION WALL

- SEE STRUCTURAL

CONTINUOUS C.I.P.

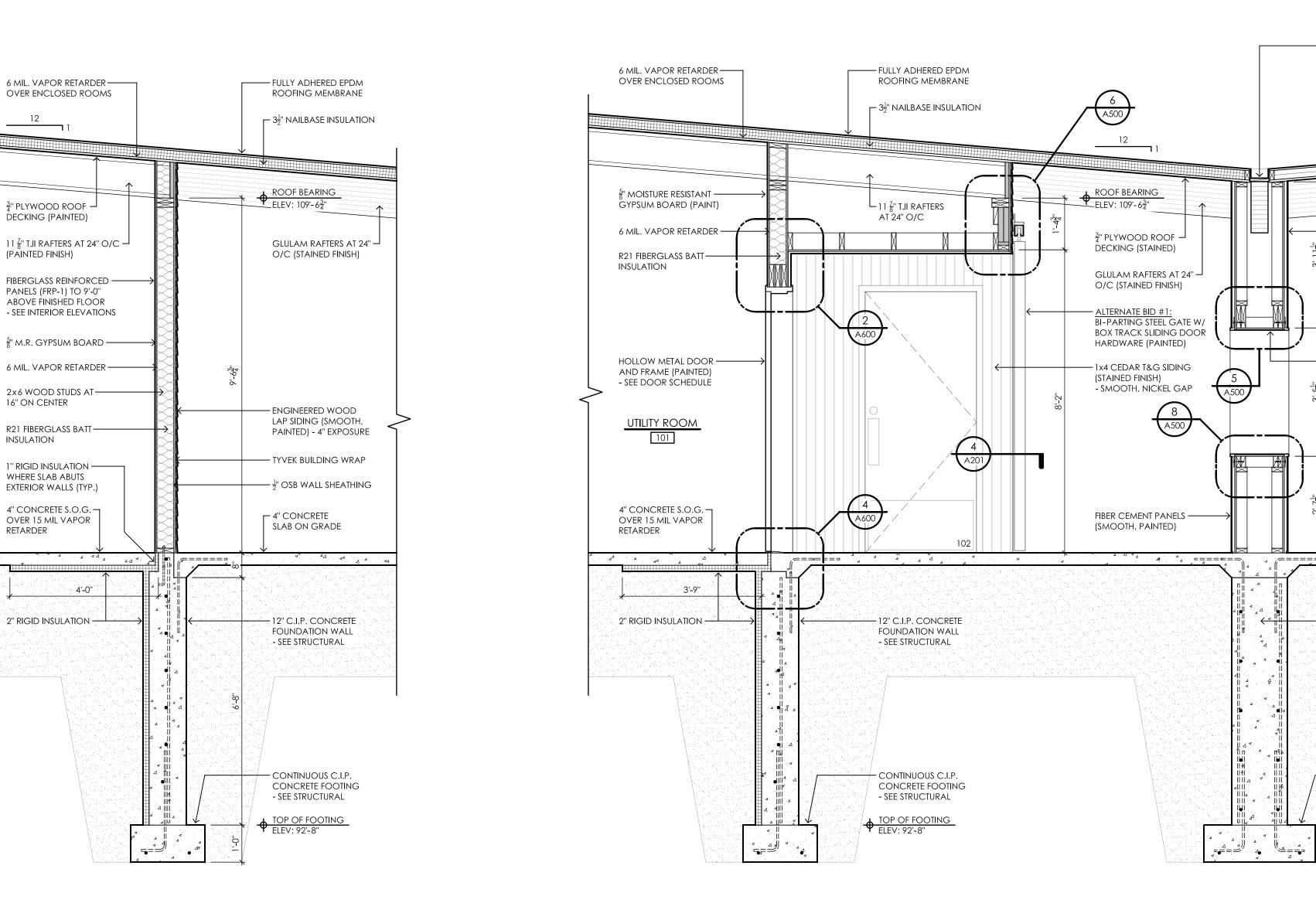
- SEE STRUCTURAL

CONCRETE FOOTING











PREFINISHED METAL ROOF EDGE ----WITH CONCEALED CLEATS OVER

5/8" x 4 1/2" ENG'D WOOD FASCIA

1 1/4" RIM BOARD FASTENED —

TO RAFTER ENDS AT TOP/BOT

FLANGE, TOE NAIL TO TOP PL

BEVEL TOP PLATE TO MATCH: ROOF SLOPE - PROVIDE

SIMPSON SDWC 15600

SCREW AT EACH RAFTER

W/ 8d NAILS AT 6" O/C

ROOF BEARING

ELEV: 111'-2³"

WINDOW HEAD

ALUMINUM-CLAD -

ENGINEERED WOOD -

LAP SIDING (SMOOTH,

PAINTED) - 4" EXPOSURE

TYVEK BUILDING WRAP —

 $\frac{1}{2}$ " OSB WALL SHEATHING —

2x6 WOOD STUDS AT —

8" C.I.P. CONCRETE —

(SMOOTH FORM FINISH)

FOUNDATION WALL

- SEE STRUCTURAL

16" ON CENTER

WOOD WINDOW

ROOFING MEMBRANE

 $-3\frac{1}{2}$ " NAILBASE INSULATION

— 6 MIL. VAPOR RETARDER

– 🖁 MOISTURE RESISTANT

OVER ENCLOSED ROOMS

GYPSUM BOARD (PAINT)

FIBERGLASS REINFORCED

PANELS (FRP-1) TO 9'-0"

— ॄ§" M.R. GYPSUM BOARD

— 6 MIL. VAPOR RETARDER

- R21 FIBERGLASS BATT

- 1" RIGID INSULATION

WHERE SLAB ABUTS

EXTERIOR WALLS (TYP.)

– 4" CONC. S.O.G. OVER

L 2" RIGID INSULATION

- CONTINUOUS C.I.P.

- SEE STRUCTURAL

CONCRETE FOOTING

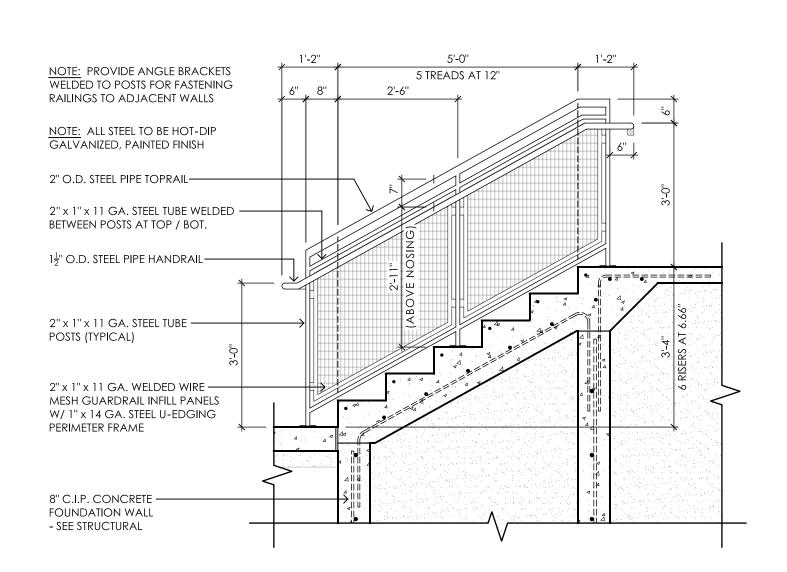
15 MIL VAPOR RETARDER

INSULATION

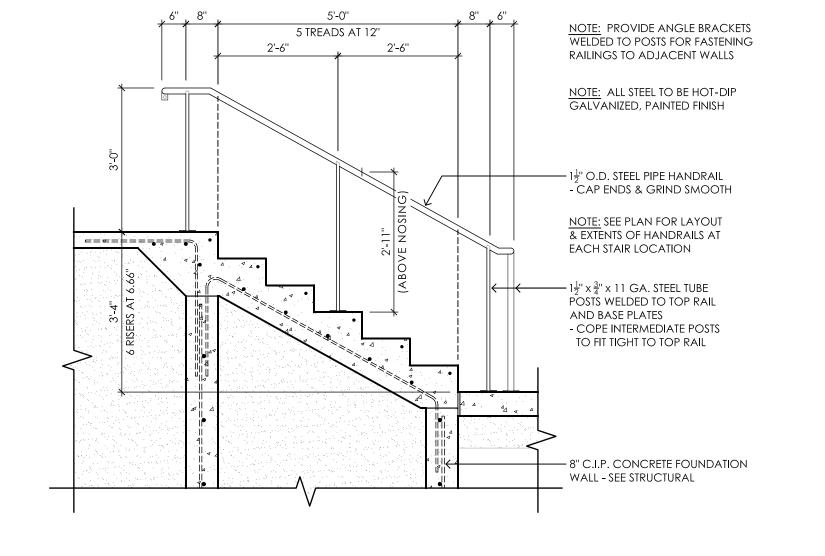
ABOVE FINISHED FLOOR - SEE INTERIOR ELEVATIONS



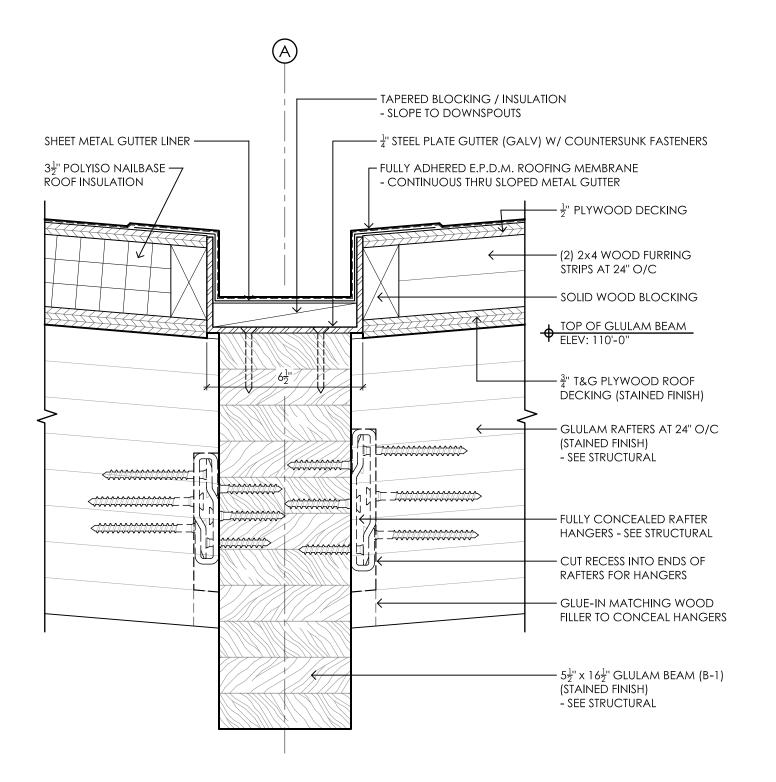




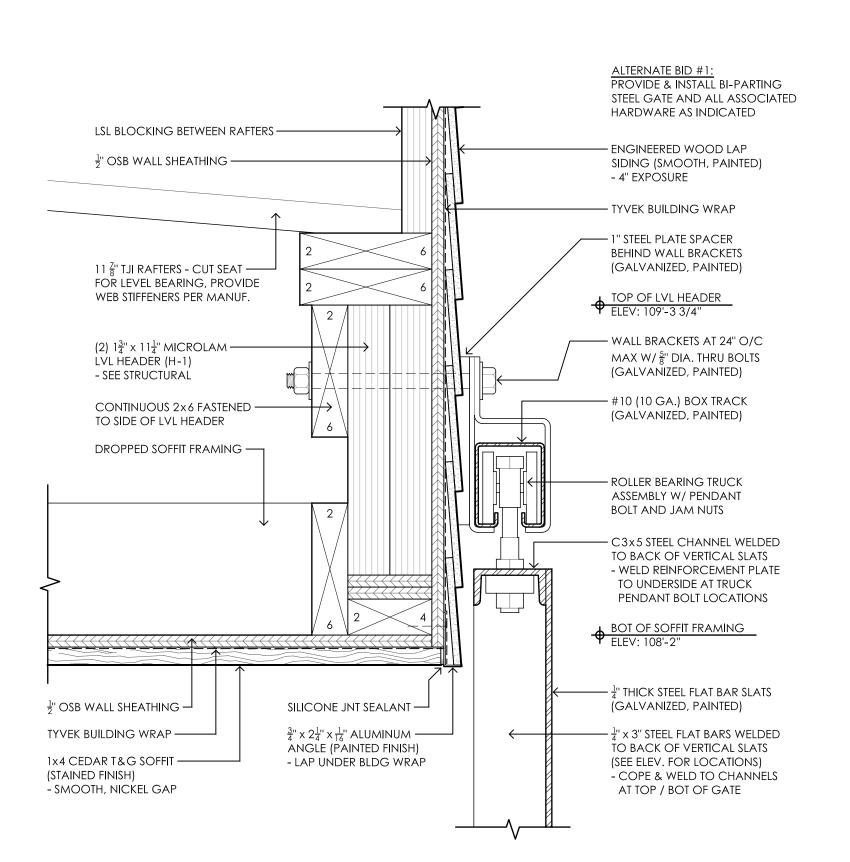
STAIR SECTION AT GUARDRAIL



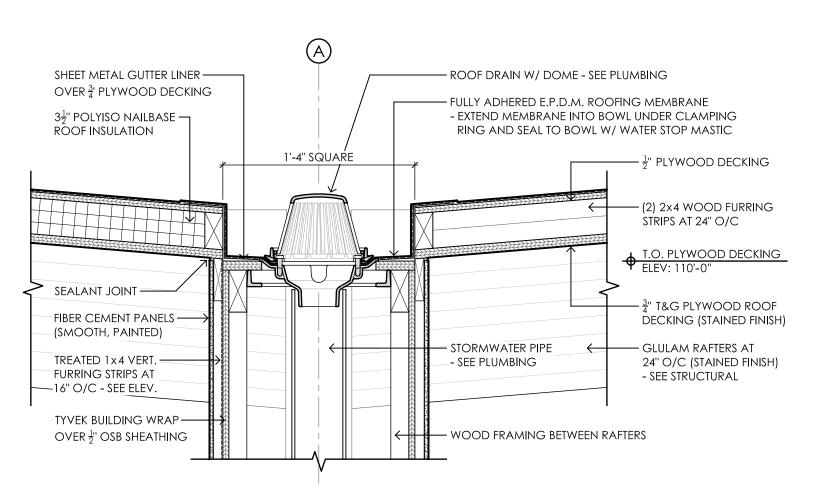
STAIR SECTION AT HANDRAIL 1/2" = 1'-0"



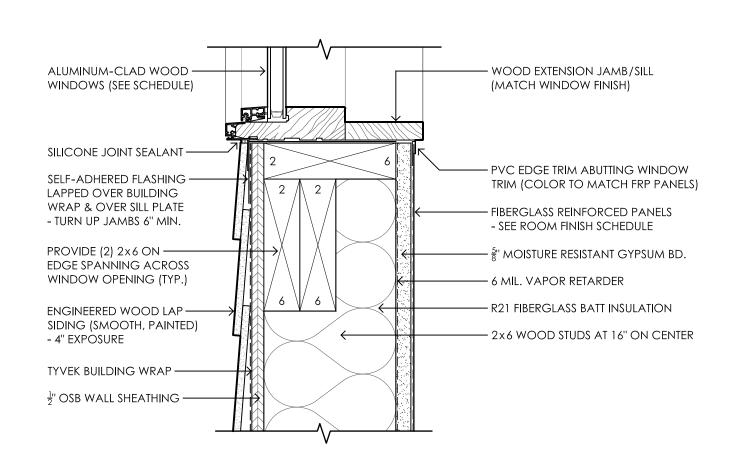
INTEGRAL METAL GUTTER DETAIL



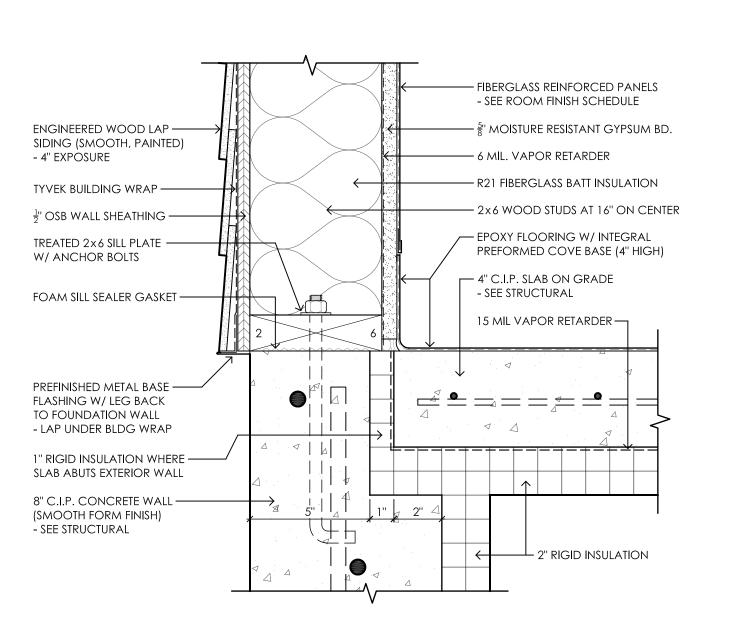
WALL SECTION DETAIL 3" = 1'-0"



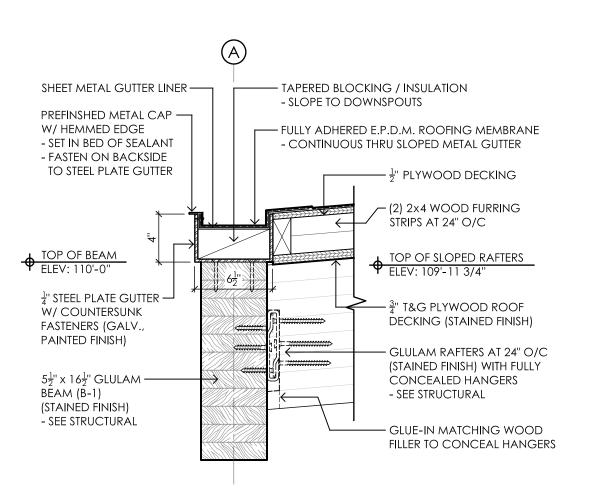
ROOF DRAIN / GUTTER DETAIL



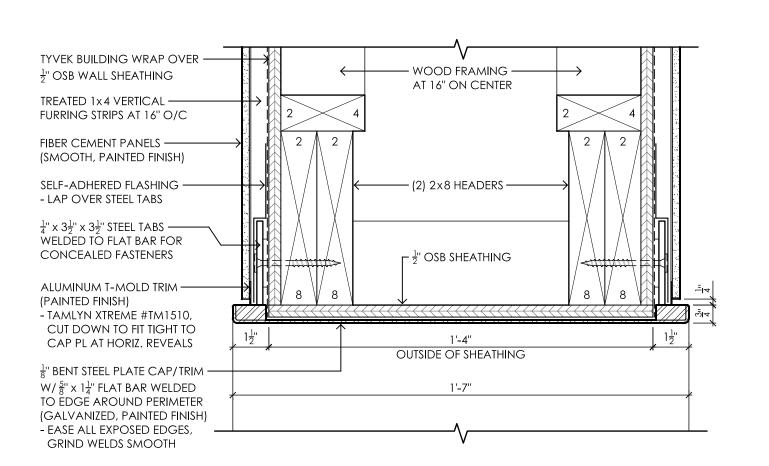
WINDOW SILL DETAIL A500 3" = 1'-0"



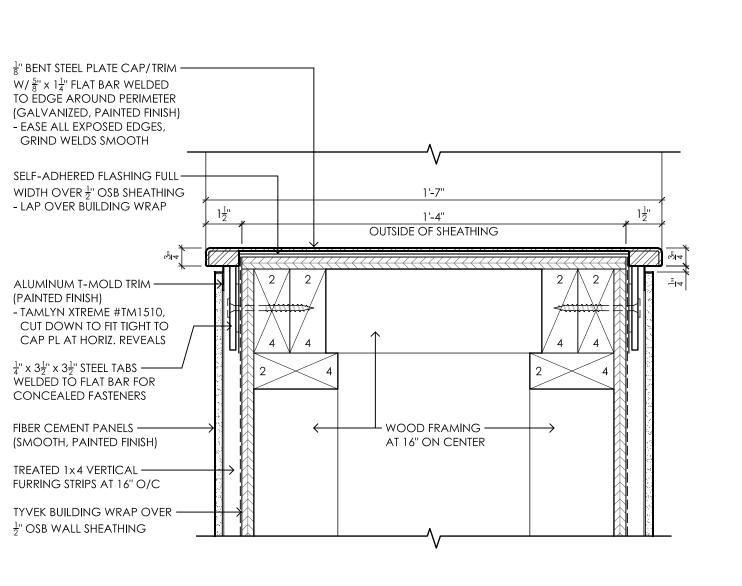
WALL SECTION DETAIL



ROOF EDGE / GUTTER DETAIL



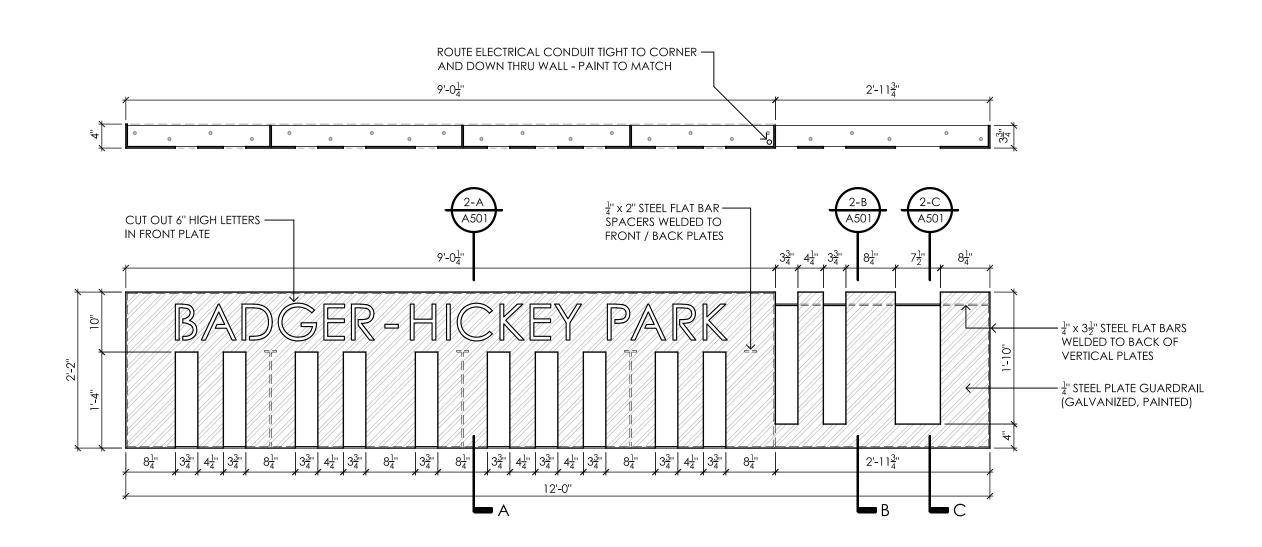
STEEL WALL TRIM DETAIL **A**500

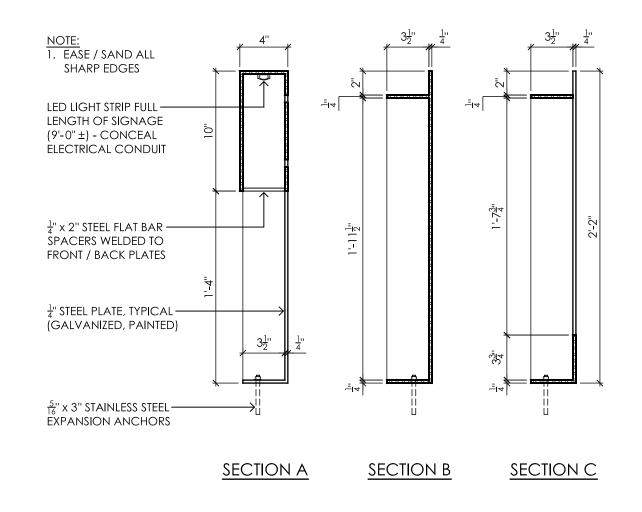


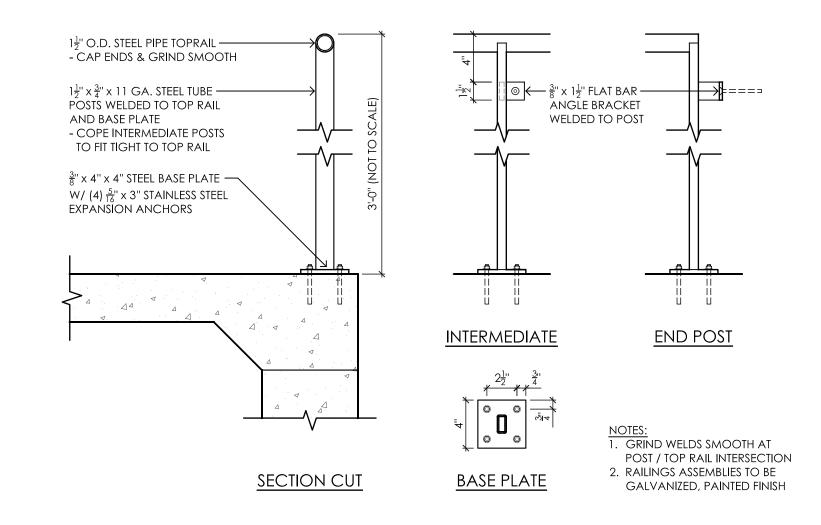
STEEL WALL CAP DETAIL **A**500

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SHEET No



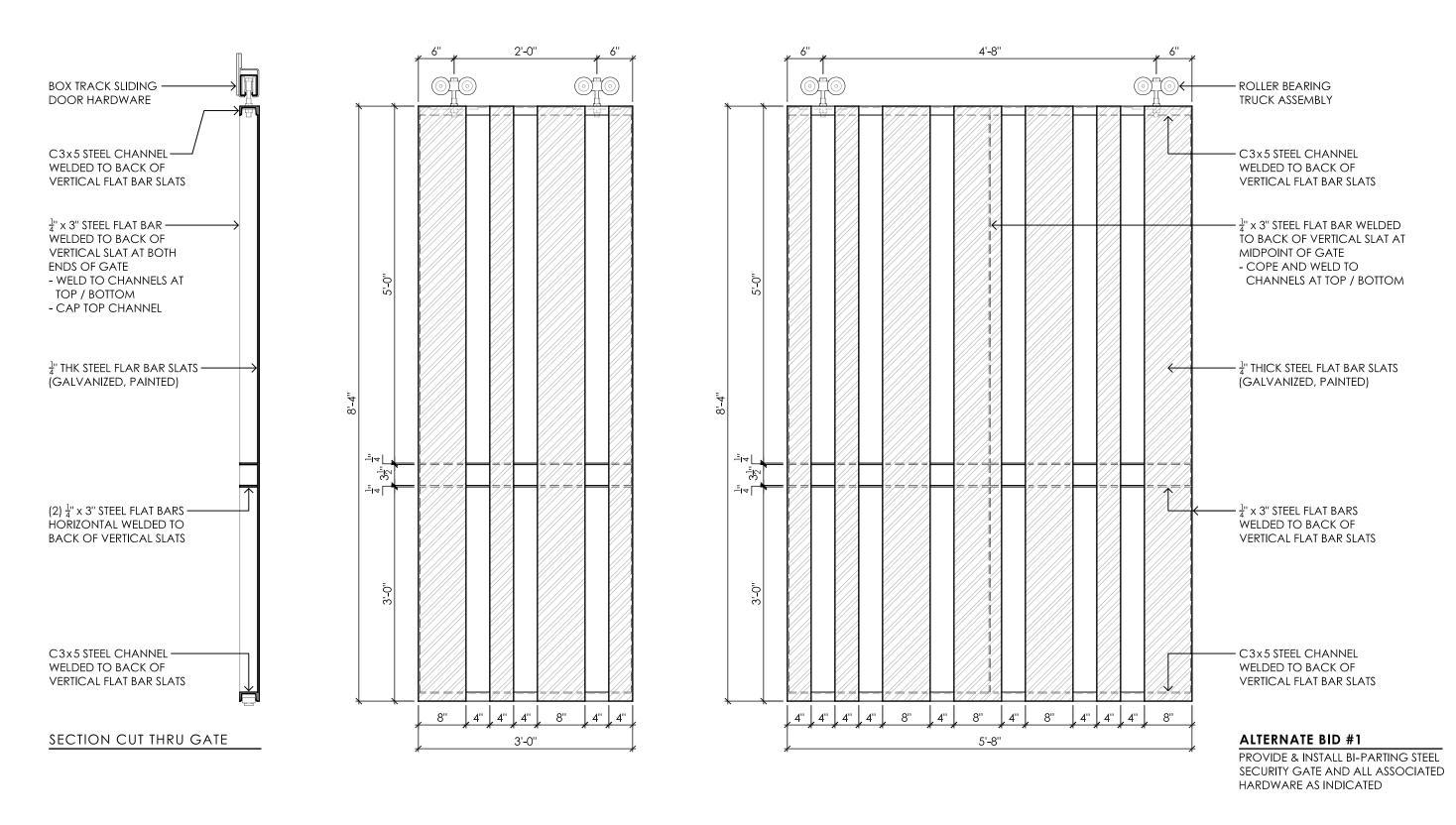


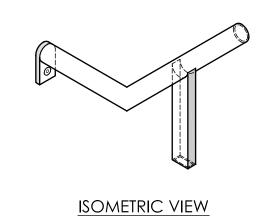


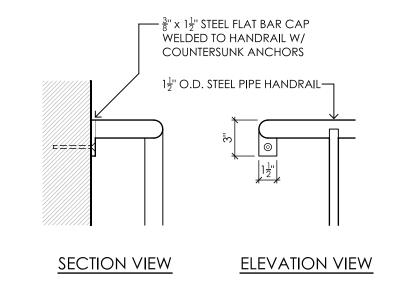
DECORATIVE GUARDRAIL ELEVATION

GUARDRAIL SECTIONS 1 1/2" = 1'-0"

TYPICAL HANDRAIL DETAILS 1 1/2" = 1'-0"



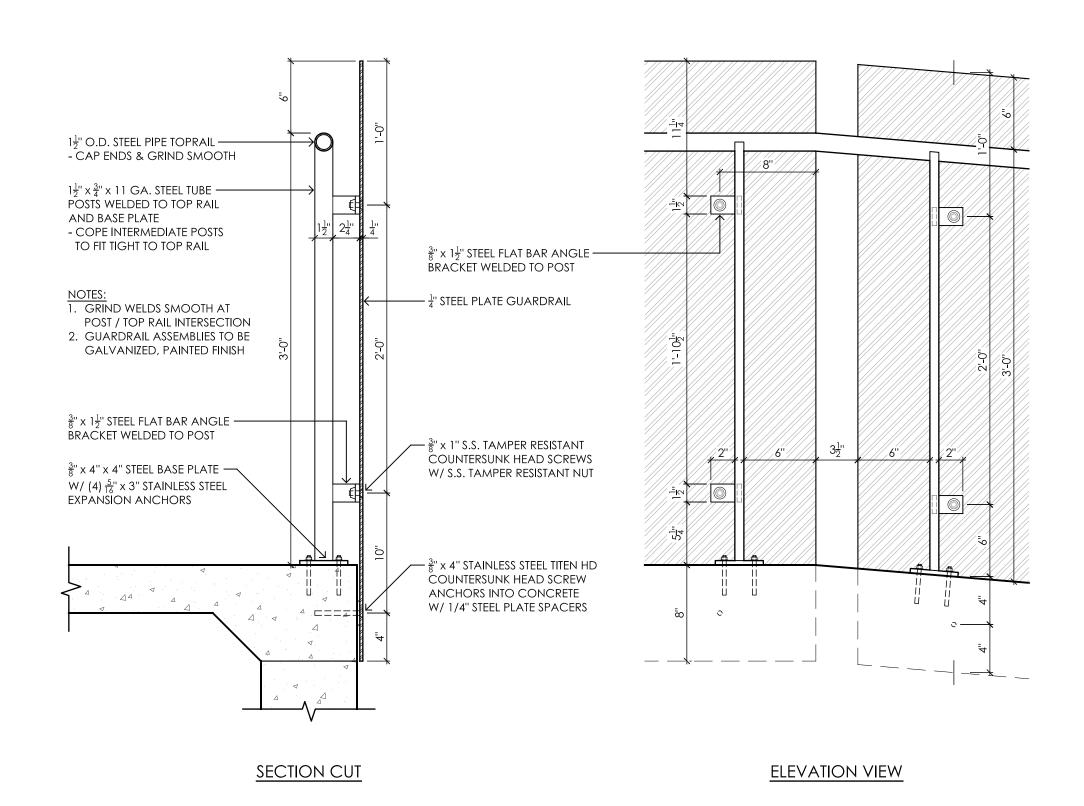




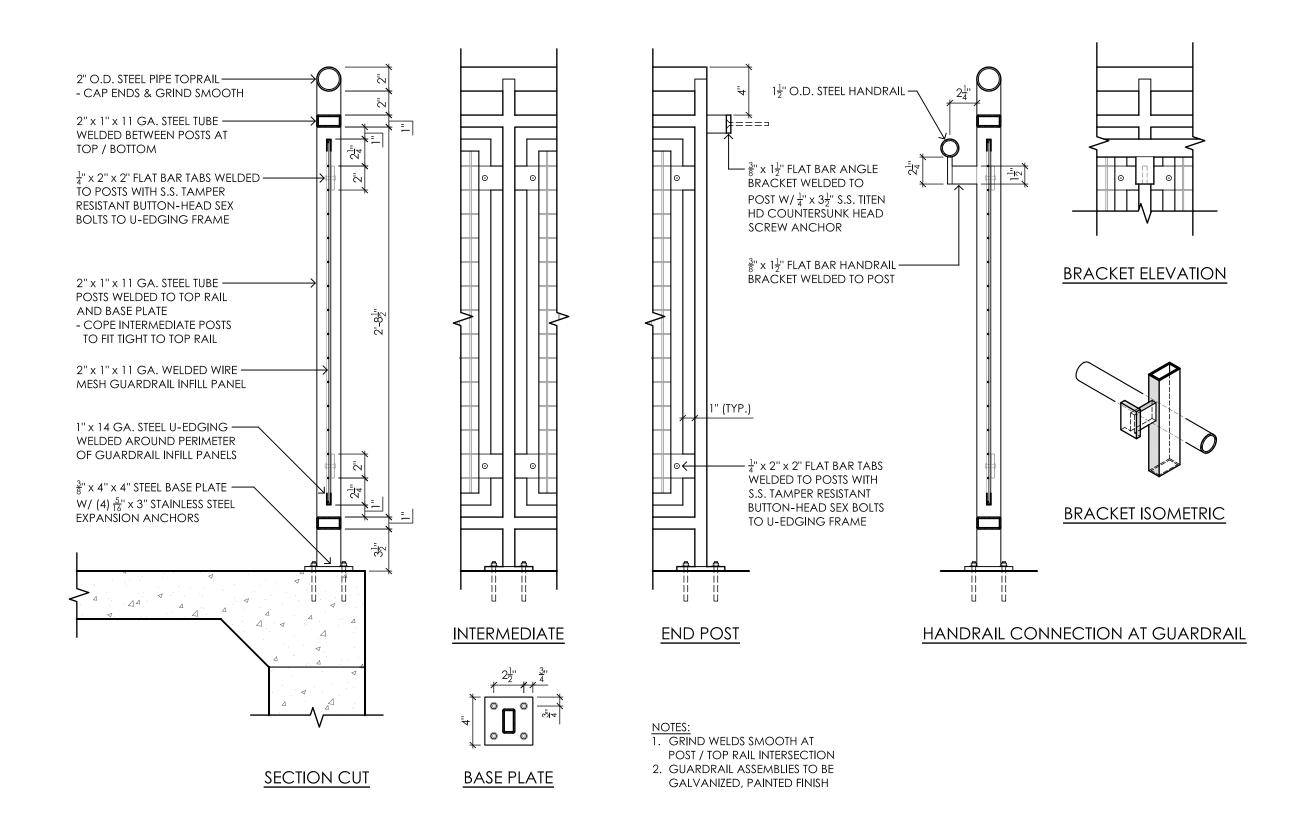
TYP. HANDRAIL CONN. TO WALL

1 1/2" = 1'-0"

BI-PARTING STEEL GATE DETAIL







WIRE MESH GUARDRAIL DETAILS
1 1/2" = 1'-0"

ROOM MATERIAL AND FINISH SCHEDULE																
:	ROOM NAME	FLO	OR	BASE		WALLS				CEILING						
))					NO	RTH	EA	.ST	SO	UTH	W	EST				REMARKS
<u>'</u>		SUBSTRATE	FINISH		SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	CLG. HT.	
0	male restroom	CONCRETE	EPOXY	EPOXY	GWB	P-1 / FRP-1	GWB	P-1 / FRP-1	GWB	P-1 / FRP-1	GWB	P-1 / FRP-1	WOOD	P-4	SLOPED	1, 2, 3
1	UTILITY ROOM	CONCRETE	SEALED		GWB	P-1	GWB	P-1	GWB	P-1	GWB	P-1	WOOD	UNFINISHED	SLOPED	1
2	FEMALE RESTROOM	CONCRETE	EPOXY	EPOXY	GWB	P-1 / FRP-1	GWB	P-1 / FRP-1	GWB	P-1 / FRP-1	GWB	P-1 / FRP-1	WOOD	P-4	SLOPED	1, 2, 3
3	COVERED PICNIC SHELTER	CONCRETE	BROOM		FIBER CMNT	P-2							WOOD	STAINED	SLOPED	

MATERIAL ABBREVIATIONS:

LUXURY VINYL TILE

LVT-X

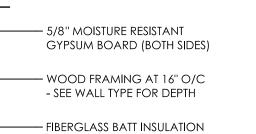
ACT-X	ACOUSTICAL PANEL CEILING TILE	P-X	PAINT
CMU	CONCRETE MASONRY UNIT	PT-X	PORCELAIN TILE
CONC.	CONCRETE	S.C.	SKIM COAT
CPT-X	CARPET	SVT-X	SOLID VINYL TILE
FRP-X	FIBER REINFORCED PANEL	T.B.B.	TILE BACKER BOARD
CWB	CADCITY IN VITA BO V DD	VR Y	VINIVI RASE

FINISH SCHEDULE REMARKS:

- INSTALL MOISTURE RESISTANT GYPSUM BOARD AT ALL WALLS WITHIN ROOM
- 2. FIBER REINFORCED PANELS TO 9'-0" ABOVE FINISHED FLOOR (ALIGN WITH TOP OF WINDOWS)

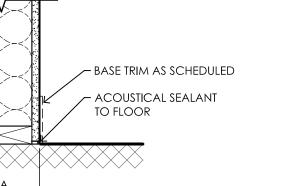
3. OPEN STRUCTURE CEILING TO BE PAINTED FINISH (WOOD RAFTERS / PLYWOOD ROOF DECKING)

TO DECK CEILING — ACOUSTICAL SEALANT AT ALL PENETRATIONS ====== _____



- ACOUSTICAL SEALANT

CEILING AS SCHEDULED



- SEE WALL TYPE

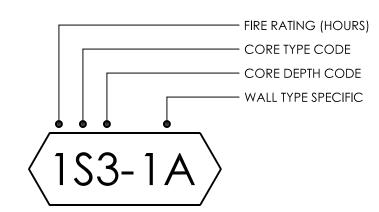
TYPE	CORE DEPTH	O.A. DEPTH	STC RATING	BATT R-VALUE	Z
W6-21	5 1/2"	6 3/4"			2
W6-21A	5 1/2"	6 3/4"	STC 34	R21	1, 2

PARTITION TYPE LEGEND:

CORE TYPES

- S STEEL STUD FRAMING
- M CONCRETE MASONRY WALL W - WOOD FRAMED CONSTRUCTION
- X SHAFT WALL ASSEMBLY
- F FURRING

G - DIRECT-APPLIED GYPSUM BOARD



8" ABOVE CEILING •— HEIGHT MODIFIER

CORE DEPTH CODE METAL:	CORE DEPTH CODE MASONRY:	CORE DEPTH
0 = 7/8"	4 = 4" (3 5/8")	1 = 3/4"
1 = 15/8"	6 = 6" (5 5/8")	2 = 11/2"
2 = 21/2"	8 = 8" (7 5/8")	3 = 21/2"
3 = 35/8"	10 = 10" (9 5/8")	4 = 31/2"
4 = 4"	12 = 12" (11 5/8")	6 = 51/2"
6 = 6"		8 = 71/4"
8 = 8"		

FINISH LEVEL SCHEDULE:

<u>PLAN</u>

<u>FLOOR</u>

LEVEL 0:

- 1) TEMPORARY CONSTRUCTION.
- 2) WHERE FINAL DECORATION HAS NOT YET BEEN DETERMINED.

LEVEL 1:

CEILING PLENUM AREAS.

2) CONCEALED AREAS.

LEVEL 2:

1) PANELS THAT ARE SUBSTRATE BOARD FOR

LEVEL 3:

1) HEAVY WALLCOVERINGS WHERE LIGHTING CONDITIONS ARE NOT CRITICAL.

LEVEL 4:

- 1) SURFACES RECEIVING LIGHT-TEXTURED
- FINISHES.
- 2) LIGHTWEIGHT WALLCOVERINGS. FLAT PAINTS.
- 4) STANDARD EXPOSED FINISH.

LEVEL 5:

- 1) SURFACES RECEIVING GLOSS PAINT. 2) SURFACES RECEIVING SEMIGLOSS PAINTS
- AND ENAMELS.
- 3) SURFACES RECEIVING EGGSHELL ENAMELS. 4) SURFACES RECEIVING HIGH-PERFORMANCE COATINGS.

GENERAL NOTES - PARTITIONS:

- PARTITIONS ARE DIMENSIONED TO THE FACE OF FRAMING / MASONRY UNLESS NOTED OTHERWISE.
- FOR ATTACHMENT OF WALL HUNG ITEMS OR EQUIPMENT. 3. REFER TO ROOM FINISH SCHEDULE FOR FINISH MATERIALS.

2. FURNISH AND INSTALL ALL BLOCKING OR BACKING MATERIAL

- FURNISH AND INSTALL GYPSUM BOARD CONTROL JOINTS WHERE LENGTH OF UNINTERRUPTED PLANE EXCEEDS 30 FEET
- UNLESS NOTED OTHERWISE. PROVIDE FIRE CODE GYPSUM BD AT FIRE RATED PARTITIONS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIELD
- CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 7. FURNISH AND INSTALL APPROVED FIRE/SMOKE PACKING, FILLER, AND SEALANT AT ALL FIRE RATED ASSEMBLIES. 8. PROVIDE FIRE-BLOCKING BETWEEN STUDS AT FINISHED CEILING
- OR 16" H BATTS FULLY FILLING STUD CAVITY & FIXED IN PLACE 9. REFER TO FLOOR PLANS AND ENLARGED PLANS FOR WALL TYPE DESIGNATIONS.

HEIGHT WHERE WALL CAVITIES DO NOT CONTAIN BATT

INSULATION. FIRE-BLOCKING CAN BE FRT WOOD BLOCKING

- 10. WALLS NOTED TO BE FIRE RATED SHALL INCLUDE THE ENTIRE LENGTH AND HEIGHT OF WALL.
- 11. EXTEND ALL WALLS AND INTERIOR PARTITIONS TO THE UNDERSIDE OF STRUCTURAL DECKING UNLESS NOTED OTHERWISE
- 12. NEOPRENE FILLER OR FIRESTOPPING TO BE FURNISHED AND
- INSTALLED WHERE TOP OF WALL EXTENDS TO DECK FLUTES. 13. FURNISH AND INSTALL CEMENT BACKER BOARD AT ALL WALL TILE LOCATIONS.

14. FURNISH AND INSTALL LATERAL BRACING AT WALL ENDS THAT

DO NOT EXTEND TO STRUCTURE ABOVE. 15. REFER TO SPECIFICATION SECTION 09 29 00 - GYPSUM BOARD AND SECTION 09 91 00 - PAINTING FOR FINISH LEVEL REQUIREMENTS.

WALL TYPE NOTES:

- 1. ACOUSTIC WALL ASSEMBLY NOTES
- ALL WALLS THAT INCLUDE SOUND ATTENUATION BLANKET TO BE SEALED AT PERIMETER WITH ACOUSTICAL SEALANT.
- ALL WALLS THAT INCLUDE SOUND ATTENUATION BLANKET TO INCLUDE SEALS AT ALL ELECTRICAL BACK BOXES.
- STC-RATED ASSEMBLIES: SEAL CONSTRUCTION AT PERIMETERS, BEHIND CONTROL JOINTS, AND AT OPENINGS AND PENETRATIONS WITH A CONTINUOUS BEAD OF ACOUSTICAL SEALANT. INSTALL ACOUSTICAL SEALANT AT BOTH FACES OF PARTITIONS AT PERIMETERS AND THROUGH PENETRATIONS.

SEAL PARTITIONS ABOVE ACOUSTICAL CEILINGS

- INSTALL SOUND ATTENUATION BLANKETS BEFORE INSTALLING GYPSUM PANELS, UNLESS BLANKETS ARE READILY INSTALLED AFTER PANELS HAVE BEEN INSTALLED ON ONE SIDE.
- INSTALL INSULATION WHERE INDICATED IN SOUND RATED ASSEMBLIES. MAINTAIN RATING OF ASSEMBLY.

2. MOISTURE RESISTANT ASSEMBLY NOTES

MOISTURE RESISTANT GYPSUM BOARD TO BE PROVIDED AT RESTROOMS, LOCKER ROOMS, SHOWER, CUSTODIAL, AND MECHANICAL SPACES.

- MOISTURE RESISTANT GYPSUM BOARD TO BE INSTALLED FULL HEIGHT ON WET SIDE OF WALL UNLESS NOTED OTHERWISE.
- FURNISH AND INSTALL TILE BACKING PANELS AT ALL WALL TILE LOCATIONS IN LIEU OF MOISTURE RESISTANT GYPSUM BOARD. REFER TO INTERIOR ELEVATIONS FOR HEIGHT.

AS SCHEDULED AS SCHEDULED — HOLLOW METAL FRAME (PAINT) — FLUSH PANEL — DOOR PANEL AS SCHEDULED HOLLOW METAL DOOR

DOOR

HM

GLAZING

TYPE

DOOR SIZE

7'-0"

7'-0''

2. INSTALL KICK PLATE ON PUSH SIDE OF DOOR PANEL

1 3/4"

KERF FRAME W/ INTEGRAL WEATHERSTIPPING, INSULATED DOOR PANEL

102

3'-0"

DOOR SCHEDULE REMARKS:

TYPE - F

FLUSH PANEL

DOOR AND HARDWARE SCHEDULE

HM-1

HM-1

8 3/4"

8 3/4"

HM

P-3

TYPE HM-1

SINGLE DOOR

HM

FRAME

DEPTH | HEAD | JAMB |

2/A600

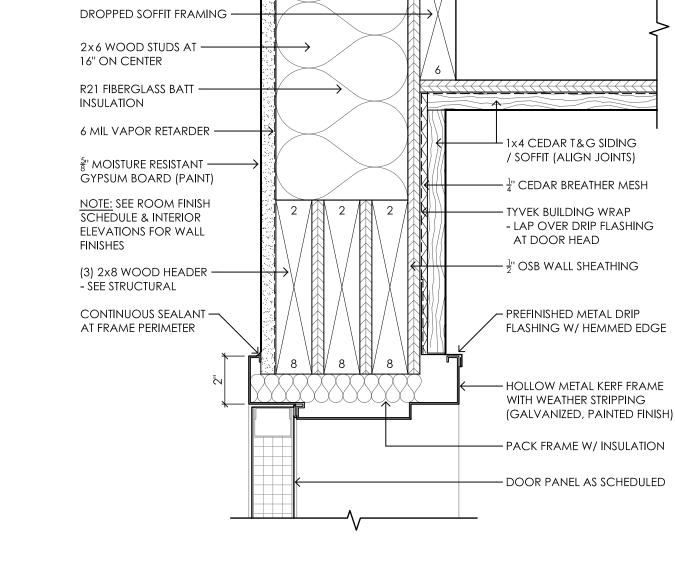
DETAILS

3/A600

2/A600 3/A600 4/A600

4/A600

P-3



MISC.

RATING GROUP

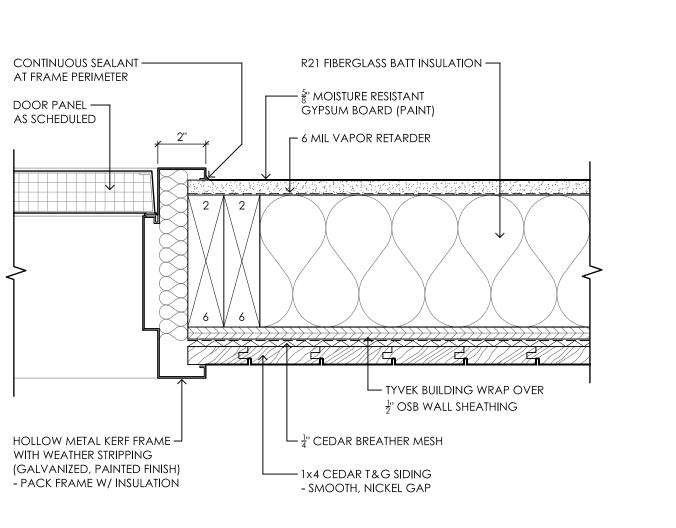
HDWR

REMARKS

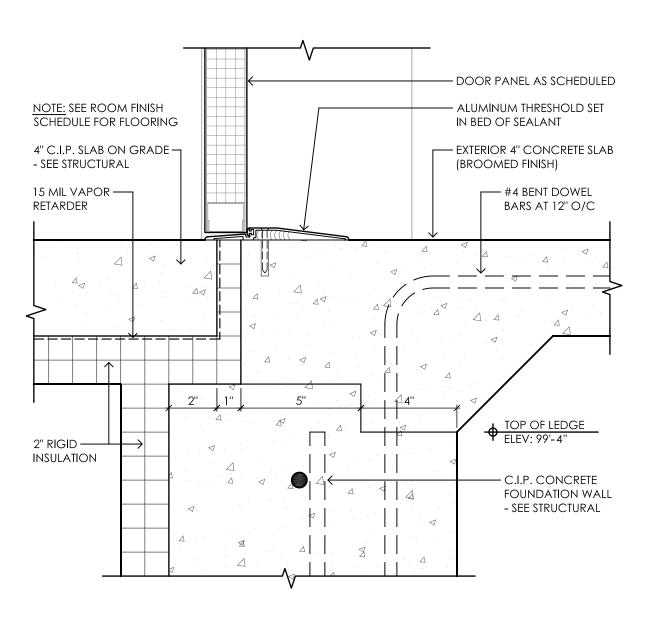
FIRE

DOOR & FRAME TYPES













SHEET No

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EQUIPMENT ABBREVIATIONS:

FEC RECESSED FIRE EXTINGUISHER CABINET

- SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR

- SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR

- SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR

BCS BABY CHANGING STATION

EHD ELECTRIC HAND DRYER EWC ELECTRIC WATER COOLER

FIRE EXTINGUISHER

PTD PAPER TOWEL DISPENSER

SOAP DISPENSER

SNR SANITARY NAPKIN RECEPTACLE SHOWER ROD AND CURTAIN TOILET PAPER DISPENSER

WASTE RECEPTACLE

- SUPPLIED BY OWNER

OWNER SUPPLIED / OWNER INSTALLED:

WASTE RECEPTACLES

SOAP DISPENSERS

 GRAB BARS MIRRORS

PAPER TOWEL DISPENSERS

TOILET PAPER DISPENSERS

BABY CHANGING STATIONS

SANITARY NAPKIN RECEPTACLE UNITS

SHARPS CONTAINTERS

TOILET ACCESSORIES RESPONSIBILITY:

OWNER SUPPLIED / CONTRACTOR INSTALLED:

CONTRACTOR SUPPLIED / CONTRACTOR INSTALLED:

GRAB BAR

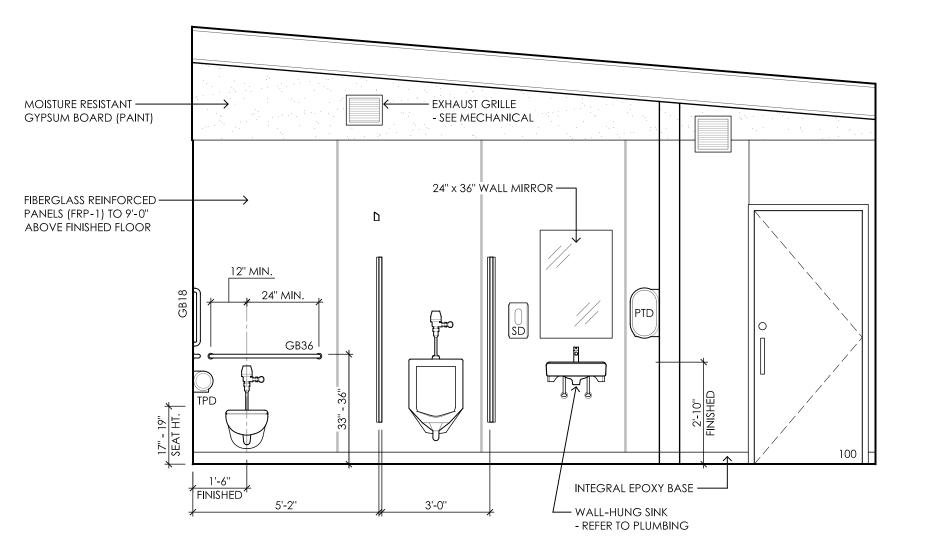
ROBE HOOK

CH COAT HOOK

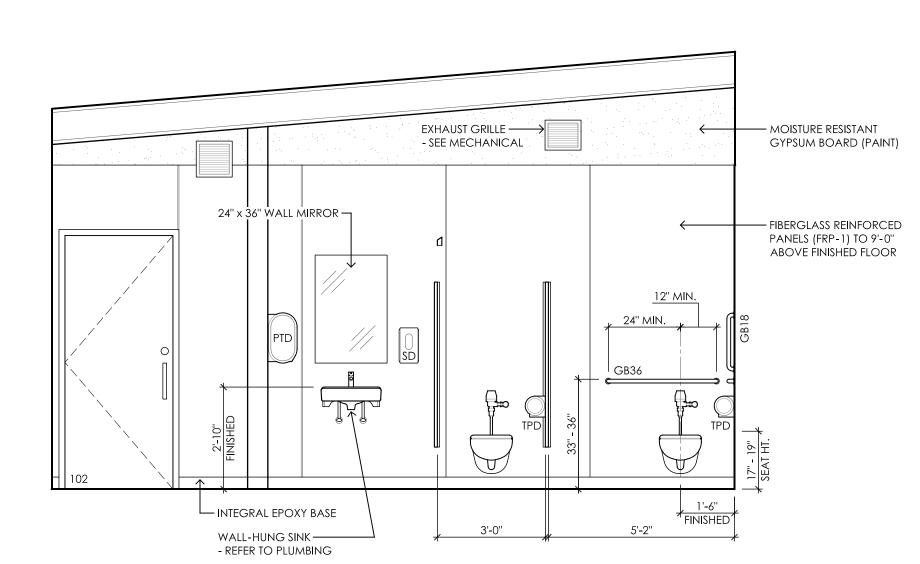
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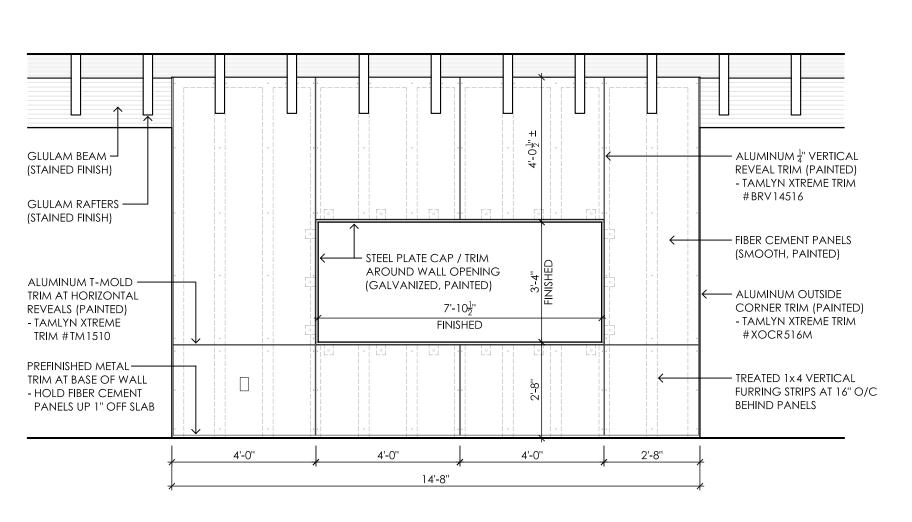
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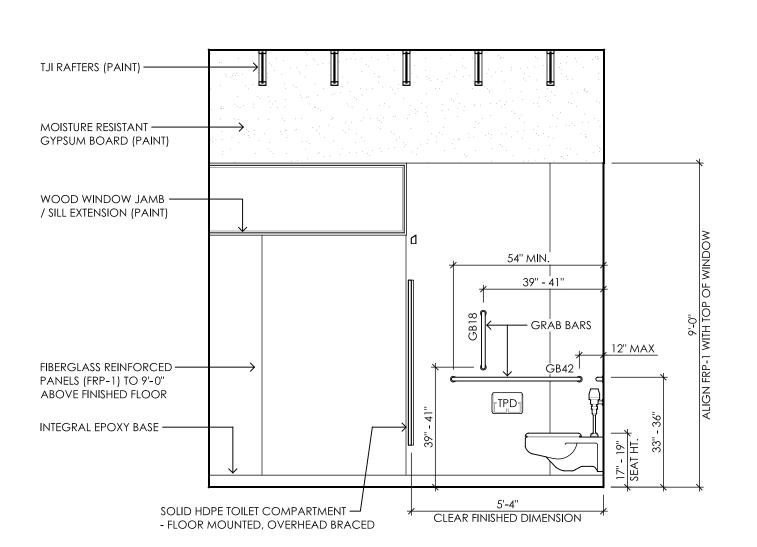
EAST WALL ELEVATION - RM #100 3/8" = 1'-0"



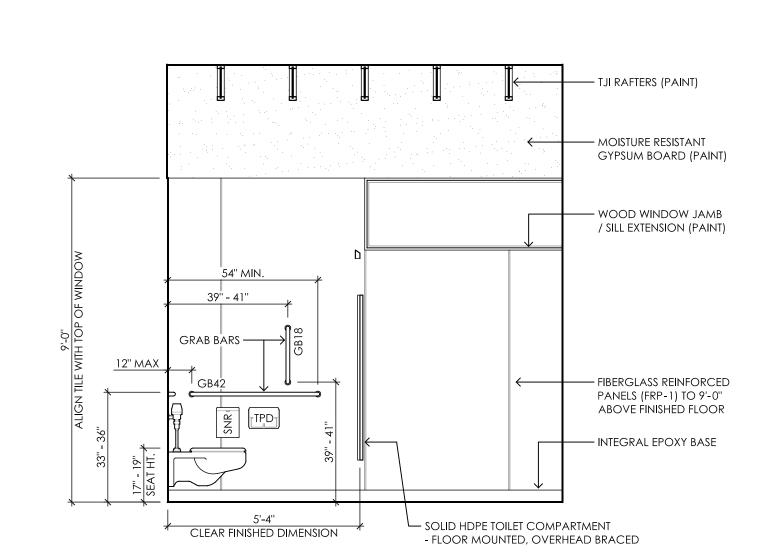
WEST WALL ELEVATION - RM #102



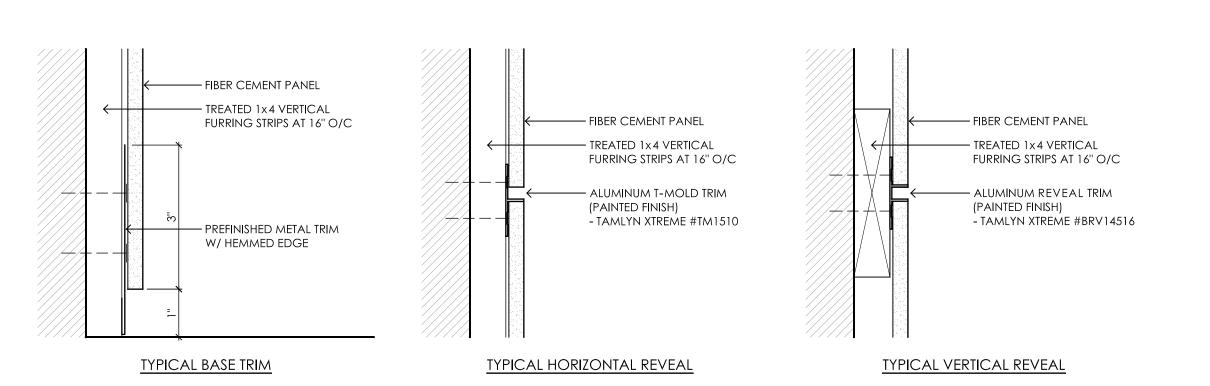
PARTITION WALL ELEVATION



NORTH WALL ELEVATION - RM #100 A700



NORTH WALL ELEVATION - RM #102 A700



6" = 1'-0"

The following wedge anchor products are pre-approved:

Post installed anchors to be installed in concrete base material shall have current ICC approval for use in both cracked and uncracked concrete in accordance with ACI 355.2, ACI 355.4, ICC ES AC193 and ICC ES AC308.

Post-installed anchors to be installed in masonry base material shall have a current ICC approval for use in uncracked, fully grouted concrete masonry unit construction in accordance with ICC-ES AC01, ICC-ES AC58 and ICC-ES AC106. Contact

Engineer of Record for anchorage to hollow masonry or unreinforced clay masonry not covered by this section. Post-installed anchors shall only be used where specified on the construction documents. The Contractor shall obtain approval from the Engineer of Record prior to installing post-installed anchors in place of missing or misplaced cast-in-place anchors. Submit a work plan including proposed products for approval prior to commencing corrective work.

Post-installed adhesive anchors shall not be used for fire rated components supporting gravity loads.

Verify that supporting substrate and environmental conditions are consistent with the manufacturer's installation instructions and

Post-installed anchors shall be installed in accordance with the manufacturer's installation instructions and the ICC-ES report, including hole drilling and cleaning.

The general contractor shall engage a testing company to locate existing reinforcing and other embedded items by nondestructive means (GPR, pacometer or other approved means) as necessary to accurately locate existing elements prior to beginning drilling operations. Do not cut or damage existing reinforcing or other embedded items unless explicitly approved by the Engineer of Record. Notify the EOR if there is a conflict between the anchor location and an embedded item.

Pre-approved products for post-installed anchors are listed below. See specifications for additional pre-approved products and substitution request requirements.

Base Material	Product	ICC-ES Report			
Concrete	Hilti Kwik Bolt TZ2	ESR-4266			
Concrete	Simpson Strong Bolt	ESR-3037			
Concrete	Dewalt Power Stud+ SD2	ESR-2502			
The following sleeve anchor produ	ucts are pre-approved:				
Base Material	Product	ICC-ES Report			
Concrete	Hilti HSL-3	ESR-1545			
Concrete	Dewalt Power Bolt +	ESR-3260			
The following screw anchor products are pre-approved:					
Base Material	Product	ICC-ES Report			
Concrete	Hilti HUS-EZ	ESR-3027			
Concrete	Simpson DEWAL HD	ESR-2713			
Concrete	Dewalt Screw Bolt+	ESR-3889			

Simpson AT XP

Dawalt AC200+

The following adhesive anchor pr	oducts are pre-approved:	
Base Material	Product	ICC-ES
Concrete	Hilti HIT HY 200-V3	ESR-486
Concrete	Hilti HIT HY 100	ESR-357
Concrete	Hilti HIT RE 500-V3	ESR-381

Conciele	Dewall AC200+	L3N-402/
Concrete	Dewalt Pure 110+	ESR-3298
The following power-actuated fastener pr	aducts are pre approved:	
The following power-actuated tasteries pr	oducis die pie-appioved.	
Base Material	Product	ICC-ES Repo
Steel/Concrete/Masonry/Wood	Hilti Low Velocity	ESR-1663
Steel/Concrete/Masonry/Wood	Hilti X-U	ESR-2269
Steel/Concrete/Masonry/Wood	Simpson Powder-Actuated	ESR-2138

of structural steel for building, and Code of Standard Practice, and OSHA steel erection standards.

IAPMO ER-0263

ECD 1027

ESR-2024

ESR-3275

Splicing structural members where not detailed on the drawings is prohibited without prior approval of the Structural Engineer of

Anchor rods shall be minimum 3/4" diameter or as detailed in drawings.

Steel/Concrete/Masonry/Wood Dewalt Power-Driven

Steel/Concrete/Masonry/Wood Dewalt Trak-It

Where weld sizes are not indicated provide minimum weld size as indicated in AISC table J2.4.

STRUCTURAL STEEL CONNECTIONS: all steel connections are as indicated on the drawings.

All re-entrant corners must be shaped notch free per AWS D1.1 to a minimum radius of 1" except corners in connection material

Provide stiffeners and doublers where shown. Member reinforcements shall be the minimum of the size as indicated or as required by engineering analysis of the connection.

Welded connections shall be made in accordance with AWS D1.1 Structural Welding Code using E70XX electrodes unless noted otherwise. Weld sizes not shown or controlled by the required forces shall be AWS code minimum size. Welds shall be visually inspected for compliance with the AWS code visual inspection criteria. Welders shall be qualified in accordance with AWS D1.1 and shall be experienced in welding structural steel.

the AWS code. Welds subject to NDT methods shall also have been found compliant with the AWS visual inspection criteria.

hese notes specify the requirements for the design represented in these documents. The construction and materials shall comply with all the pertinent codes and references, plans, and details, including (but not limited to) those shown in architectural,

The following items are a delegated design and shall be issued as deferred submittals per IBC. The delegated design submittal shall include shop drawings and an engineering analysis signed and sealed by the licensed design professional responsible for their preparation: Metal Stairs, Handrails and Guardrails

Glued-Laminated Wood Construction The contractor shall retain a professional engineer licensed in the state where this project is located to design and detail

delegated design items to meet the performance and design criteria indicated in the contract documents. Under no circumstances will MBJ review shop drawings that are considered to be scanned/copied construction document submittals. The Detailer shall produce and submit original documents for review.

All items issued as deferred submittals shall be issued a minimum of 30 days prior to installation and shall not be installed until their design and submittal documents have been reviewed for general conformance to the drawings by the General Contractor, the Structural Engineer of Record and the Building Official. A copy of the deferred submittal shall be forwarded to the Building Official after the Structural Engineer of Record has reviewed the documents and prior to the erection of the deferred submittal

DESIGN CODES AND STANDARDS:

2015 International Building Code, as amended and adopted by the state of Wisconsin.

SAWN LUMBER:

GLUED LAMINATED (GLU-LAM) TIMBER:

Douglas Fir 24F-V8

60,000 psi ASTM A615 Grade 60 Typical Weldable 60,000 psi ASTM A706 Grade 60

Cast-in-Place Concrete (f'c) at 28 days, u.n.o.:

1,200 psi Maximum Controlled Low Strength Material (CLSM) 50 psi Minimum 4,000 psi Piers and Walls (non-shear) 4,000 psi Shear Walls 4,000 psi Columns 4,000 psi Slabs on Grade 4,000 psi Exterior Concrete 4,500 psi w/ air entrainment

All Concrete not otherwise noted 4,000 psi Structural Steel (Fy): 50,000 psi ASTM A992 Wide Flanges:

Angles, Channels, Plates, and Bars 36,000 psi ASTM A36 Rectangular HSS 46,000 psi ASTM A500, Grade B Structural Fasteners:

120,000 psi ASTM F3125 Grade A325 Typical High-Strength Bolts Twist-off Tension Control Bolts 120,000 psi ASTM F3125 Grade1852, 36,000 psi ASTM A36 Carbon Steel, Threaded Rods

Anchor Rods, Grade 36 U.N.O. 36,000 psi ASTM F1554 Spruce-Pine-Fir (SPF) No. 2 or better: Fb 875 psi

(Studs, Joists and Headers): Fc 1150 psi parallel to grain Fc 425 psi perpendicular to grain E 1,400,000 psi STRUCTURAL COMPOSITE LUMBER:

Fb 2900 psi Laminated Veneer Lumber (LVL): (Beams and Headers) Fv 285 psi (1 3/4' x Depth) Fc 750 psi perpendicular to grain E 2,000,000 psi

> Fb 2400 psi top and bottom tension Fv 265 psi Fc 650 psi perpendicular to grain E 1,800,000 psi

Laminated Deck: Western Red Cedar Fb 700 psi MIN Fv 155 psi MIN

E 1,000,000 psi MIN LATERAL LOADS Risk Category:

Primary Frame Wind Data: Basic Wind Speed: V ult = 115 mph Exposure Category: Internal Pressure Coefficient (Gcpi): +0.18 or -0.18

Components and Cladding Wind Loads: Supplier to develop based on code Exterior Component/Cladding: criteria and indicate on shop drawings.

<u>Seismic Loads:</u> Primary Seismic Data: Mapped Spectral Response Accelerations: Ss: 0.053 S1: 0.036 Site Class: Site Coefficients: Fa = 1.6

Sds: 0.057 Sd1: 0.058 Design Spectral Acceleration Parameters:

Seismic Design Category: Basic Seismic-Force- Resisting System: Steel Systems Not Specifically Detailed For Seismic Resistance, Excluding Cantilever Column Systems

 $F_{V} = 2.4$

Response Modification Factor: R = 3.0Overstrength Factor: $\Omega_{\rm O}$ = 3.0 Cs = 0.019Seismic Response Coefficients V = 0.019(W)Ultimate Design Base Shear:

Analysis Procedure: Equivalent Lateral Force Procedure

Steel frame is a "non-self-supporting" steel frame requiring interaction of the steel framing, floor/roof diaphragms and shear walls. Contractor shall provide temporary bracing as necessary to provide support of framing until all attachments are complete, including structural steel, structural steel to diaphragm/shear walls, and diaphragm to shear walls.

The lateral-load-resisting system and diaphragm elements that provide for lateral strength and stability in the completed structure include the following: Roof deck and attachments

Wood shear walls, and concrete shear walls

Importance Factor:

17 psf Fround Snow Load, Pg: 40 psf Flat-Roof Snow Load, Pf: 34 psf 1.0 Snow Exposure Factor, Ce: 1.0 Snow Load Importance Factor, I: Thermal Factor, Ct: Unbalanced/Drift Snow Load: Refer to plan, U.N.O.

Roof Live Load Live Load, (reducible):

20 psf Net Uplift for Joist Design: 15 psf

Footings are designed for a maximum allowable soil bearing pressure of 1500 pounds per square foot on undisturbed natural soil or compacted engineered fill. Soil bearing pressure is to be verified in the field during construction by a qualified Geotechnical Engineer.

The Contractor shall verify the location of all existing and new underground utilities and tanks prior to beginning excavation.

For underground utilities adjacent to foundations and through foundations reference drawings for typical detail showing step

footings below utilities as required to avoid undermining of structure by utilities.

All topsoil, fill, organic, and/or other unsuitable bearing material shall be removed below the footings and/or within the building area to the depths indicated in the geotechnical engineering report and extent of removal shall be field verified by the Geotechnical Engineer.

All excavations shall be observed by a qualified Geotechnical Engineer to verify removal of all unsuitable material, and confirm the proper preparation of bearing conditions. Rock excavation for individual footings is not expected to exceed five foot depth, U.N.O. No mass excavation is anticipated. Blasting is not permitted.

For footings that do not bear on natural undisturbed soil, extend engineered fill laterally beyond bottom edge of footing per recommendations in the geotechnical report.

Foundation and retaining walls shall be back filled with free draining fill approved by the Geotechnical Engineer. Provide drainage board and perforated pipe as required by the contract documents and verify with the Architect and Civil Engineer.

Backfill equally on both sides of foundation walls to prevent overturning or lateral wall movement, or brace as necessary.

Engineered fill shall not be placed on frozen material and frozen material shall not be used as engineered fill. Contractor shall

For stepping of wall footings reference drawings for detail.

The detailing, fabrication and erection of all reinforcing shall be done in accordance with the latest edition of ACI-315, "Manual of Standard Practice for Detailing Reinforced Concrete Structures and ACI-318, "Building Code Requirements for Structural

All reinforcing bars are deformed and continuous, unless noted otherwise. Refer to drawings for reinforcing lap length

Provide suitable wire spacers, chairs, etc. for support of reinforcing steel in proper position while placing concrete. All bars shall be tied to prevent displacement while placing concrete. All chairs and slab bolsters shall be plastic or steel with plastic tips. When reinforcing steel is epoxy coated or p/t tendons are fully encapsulated, all chairs and slab bolsters shall be epoxy coated or plastic and all support bars shall be epoxy coated. Chairs are to be stable and resist tipping.

The fabricator shall submit a complete list of accessories and placing details with the shop drawings.

provide any means necessary to prevent frost penetration under footings during construction.

No horizontal construction joints shall be placed in beams, joists, or slabs, unless shown on drawings.

Locate vertical construction joints in beams and slabs at central one third of span. Refer to drawings for details. Submit proposed construction joint locations to the Structural Engineer of Record for review prior to placement of concrete. Where new concrete is placed against existing concrete, the existing concrete shall be roughened to a minimum 1/4" amplitude.

Refer to drawings for placement guidelines of embedded pipes, sleeves, and conduits. Conduits are not permitted in slabs 3

Conduit and piping shall be fabricated and installed so that cutting, bending, or displacement of reinforcement from its specified location is not required.

Concrete cover for pipe embedments with their fittings shall be at least 1-1/2 in. For concrete exposed to earth or weather, and at least 3/4 in. For concrete not exposed to weather, or not in contact with ground

Aluminum conduit, aluminum sleeves and aluminum embeds are not permitted in concrete.

Provide a 3/4 inch chamfer for all exposed concrete corners. See architectural drawings for details and additional requirements.

Calcium chloride is not permitted as a concrete additive.

Concrete Cover on Reinforcing:

Topping Slab: upper third of slab Slab on Grade: Concrete covers are intended to meet 2 hour rating requirements of IBC Section 721.1 prescriptive fire protection.

Footings and Caissons: 3" clear bottom and sides 2" clear top #5 and smaller 1 1/2" clear earth or weather face Walls:

#6 and greater 2" clear earth or weather face 3/4" interior face 1 1/2" clear to ties or stirrups Piers: Slabs:

1" clear top 3/4" clear bottom carbonate aggregate 1" clear bottom siliceous aggregate

Slabs on grade shall be placed in lane fashion.

The control or construction joints shall be placed as shown on the drawings. The joints shall align with the column grids and be spaced as noted below:

Exterior slabs 24 times slab thickness, maximum; Interior slabs 36 times slab thickness, maximum; Interior slabs 48 times slab thickness, maximum. with carpeting

The panels formed by control or construction joints shall not be "L" shaped, and a rectangular panel's aspect ratio shall not

Refer to the drawings for the typical slab on grade construction and saw cut control joint detail. Control and construction joints must be continuous and not offset.

Refer to drawings for detail of isolation diamonds or circles at columns.

Refer to drawings for reinforcing at re-entrant corners. Bend bars as necessary at obstructions.

Refer to the specification for the existence, type, and thickness of interior ground vapor retarder. Locate a vapor retarder directly beneath the slab on grade on top of a 6 inch compactable granular base. Refer to the specification for requirements for the compactable granular base.

Mechanically vibrate concrete around trench drains, floor ducts, construction joint dowels, loading docks, architectural features and other embedded items.

Refer to flooring manufacturer's specification for levelness, flatness and curing of concrete slabs on grade to receive special architectural floor finishes.

Concrete

Structural steel shall be detailed, fabricated and erected in compliance with AISC Specification for the design, fabrication, erection

Modification of structural steel members in the field is not allowed without written approval by the Structural Engineer of Record.

Unless detailed otherwise, beam shop connections may be welded or bolted and field connections are to be bolted. Bolts shall be a minimum 3/4" diameter for connections specified or detailed in the drawings. The fabricator may submit an alternate connection with the calculations that is certified by a professional engineer who is licensed in the state where the project is located.

Full penetration welds shall be tested using NDT methods such as ultrasonic, magnetic particle or other methods referenced in



. When the fabricator does not meet the requirements of 1704.2.5.1.

civil, mechanical and electrical drawings.

resolution prior to performing related new work.

performed by the city in which the project is located.

coordinate as necessary the Owner's responsibilities.

from the time when inspections are performed.

STRUCTURAL TEST AND SPECIAL INSPECTION SCHEDULE:

1. STEEL CONSTRUCTION: Section 1705.2.1 and Table 1705.2.3

High-Strength Bolting-Slip-Critical and Material

Welds: Full and Part Pen and Multi-Pass Fillet

1.8.1 End Connections - Welding or Bolted

2. CONCRETE CONSTRUCTION: Section 1705.3 and Table 1705.3

Placement of CIP Concrete and Shotcrete

3.1.1 Proportions of Site-Prepared Mortar

Sample Panel Construction

Welding of Reinforcement

Sample Panel Construction

Welding of Reinforcement

4.1.1 Grade and Thickness of Panel Sheathing

4.1.4 Fastener Pattern, Spacing and Edge Margins

4.2.2 Permanent Truss Member Restraint/Bracing

4.2 Metal-Plated Connected Wood Truss Spanning 60' or Greater

6. DRIVEN DEEP FOUNDATION ELEMENTS: Section 1705.7 and Table 1705.7

Proportions of Site Prepared Grout

Proportions of Site-Prepared Mortar

Proportions of Site Prepared Grout

Placement of Masonry Units and Mortar

Size and Location of Structural Members

Placement of Masonry Units and Mortar

Size and Location of Structural Members

Placement of Reinforcement, Connectors and Anchors

Preparation of Grout Specimens, Mortar Specimens

Placement of Reinforcement, Connectors and Anchors

Preparation of Grout Specimens, Mortar Specimens

Nominal Framing Member Size at Panel Edge

Member Shape and Size Compliance in Formwork

Specifications listed in Section 2207.1

Reinf Steel and PT Tendons Size, Quantity and Placement

Fabricator Documentation - Note (1)

1.7 Frame Joint Detail Compliance

1.8.2.1 Standard Bridging

2.3 Weldability of Reinforcing and Welds

Sample for Specimens and Tests

2.4 Anchors in Concrete

2.8 Curing Compliance

2.5 Use of Required Mix Design

2.9 Strength for Stressing PT Tendons

2.11 Grouting Bonded Tendons - Seismic

2.12 Strength for Formwork Removal

3. MASONRY CONSTRUCTION: Section 1705.4

Grout Space

Joint Construction

Grout Placement

and/or Prisms

Grout Space

Joint Construction

Grout Placement

Nail Size and Length

4.2.1 Temporary Restraint/Bracing

Bearing Material, Capacity and Depth

5.2 Compacted Fill Compliance With Soils Report

6.3 Observation, Compliance and Records per Pile

7.1 Observation, Compliance and Records per Pier

Placement location, plumbness, length, diameter, embedment into bedrock (if applicable) and end-bearing strata capacity

5. SOILS: Section 1705.6 and Table 1705.6

6.1 Pile Material, Size and Lenath

7. CAST-IN-PLACE DEEP FOUNDATIONS:

6.2 Test for Pile Capacity

and/or Prisms

4. WOOD CONSTRUCTION: Section 1705.5

4.1 High Load Diaphragms

3.2 Level 3: TMS 602 Table 4

2.10 Prestressing Force Application

2.13 Erection of Precast Members

3.1 Level 2: TMS 602 Table 4

3.1.2

3.1.3

3.1.4

3.1.6

3.1.8

3.1.9

3.2.1

3.2.2

3.2.3

3.2.4

3.2.6

3.2.8

3.2.9

4.1.2

High Strength Bolting-Bearing Material

Steel Material, Seismic - Section 1705.12.1

Welds: Single Pass Fillet for All Sections

1.8.2 Bridging - Horizontal or Diagonal

1.8.2.2 Bridging that differs from the SJI

Inspector to perform their inspection.

approved shop drawings.

The Contractor shall verify all dimensions and existing conditions in the field that affect construction prior to commencing work on

The contract structural drawings and specifications represent the completed structure. The Contractor is responsible for bracing

project. The Structural Engineer of Record is not responsible for the Contractor's means, methods, sequences or procedures of

The Contractor is solely responsible for site safety including all temporary precautionary measures and safety programs. Site

Refer to architectural, mechanical and electrical drawings for locations, elevations, dimensions, and details of sleeves, inserts,

Information shown in the structural drawings regarding existing conditions represents the current and general field conditions

related to the new work, to the best of our knowledge. Report all discrepancies (unforeseen conditions) to the Architect for

Requests for information shall be submitted in writing and shall reference the part of the construction documents that is in

Special inspections required by the building code and these documents shall be provided in addition to inspections to be

Contractor shall read and understand their duties in the specification and under the building code for special inspections and

The Special Inspectors shall be provided by the Owner and shall use current structural drawings incorporating all revisions and

Special inspection reports are to be submitted promptly and within 24 hours to the Structural Engineer of Record and Contractor

Continuous Periodic

The General Contractor shall provide timely notice (minimum 24 hours) to the Special Inspector and sufficient time for the

For a schedule of Special Structural Inspections required by the building code for this project, see the Special Inspection

1.8 Installation of open-web steel joist and joist girders (Section 1705.2.3 and Table 1705.2.3)

openings, recesses, curbs, housekeeping pads, etc. that are not shown on the structural drawings and do not damage structural

observation visits by the Structural Engineer of Record do not include review of the contractor's safety precautions.

construction. Contractor shall recognize and consider effects of thermal movements of structural elements during construction

and shoring (without overstressing) all structural elements as necessary at any stage of construction until completion of the

the affected element or shop drawing submittals. Resolve any discrepancies with the Architect prior to construction.

2. Empirically designed masonry is excluded.

Submit shop drawing schedule with construction schedule that includes consideration for review period. See specification for

General contractor shall submit shop drawings in digital format for structural review. Digital drawings shall meet the following

Section 1705.8 and Table 1705.8

- All pages are native .pdf files, rotated, printed to scale with searchable text. All transmittals shall be located as the first page of the submittal or as a separate file within one digital package. Contractor digital review comments and their digital stamp shall be attached. Our review will not occur until the
- contractor has reviewed, coordinated with other trades and provided shop stamp MBJ will mark-up the digital set in red and return a digital file via email, ftp site or other means.

WOOD FRAMING:

With Type 3A or 3B construction, all lumber in exterior walls shall be fire retardant treated wood.

All member sizes given in the drawings are nominal dimensions.

All lumber shall be kiln-dried, maximum moisture content 15% and grade marked according to the National Forest Products Association Regulations.

All joists (greater than 2x8) shall be supported laterally at the ends and at each support by solid blocking except where ends of joists are nailed to a header, band or rim joist or to an adjoining stud. Solid blocking shall be not less than 2" in thickness and the full depth of the joist.

Wood joists shall bear on the full width of supporting members, s

Do not notch or cut joist unless approved by the Structural Engineer of Record.

All beams and joists not bearing on supporting members shall be framed with "Simpson Strong-Tie" joist hangers or equal. Use type "LUS" (or equal) for single 2x's and double 2x's and type "UTF" for framing to trusses where required. The joist hangers shall be nailed using special nails supplied by the hanger manufacturer. Proposed nail type substitutions shall conform to the ICC report for equal or greater load capacity and shall be submitted with the ICC report to the Structural

Provide minimum 2 - 2x trim studs at bearing ends of all headers. Where posts are shown on drawings, headers shall bear

All holes drilled through studs or posts in walls shall strictly conform to the detail in the drawings. Wood columns are not to be notched or drilled for utilities.

All walls shall have single bottom plate and double top plate.

unless noted otherwise on plan.

with 1/2" diameter anchor bolts, at 4'-0" oc, or with equivalent anchors, as approved by the structural engineer.

All connectors in contact with treated lumber shall have corrosion protection.

Structural composite lumber shall be provided with member strengths as specified in the general structural notes.

evaluation report numbers.

Structural composite lumber such as laminated veneer lumber (LVL), parallel strand lumber (PSL), and laminated strand lumber

LVL, PSL, and LSL shall be manufactured under a process approved by the national research board.

All LVL shall be manufactured in accordance with NER-126

All LSL shall be manufactured in accordance with NER-481

with the length of the member.

Structural composite lumber shall be installed with a moisture content of 12% or less. The Contractor shall make provisions during

All beams and joists not bearing on supporting members shall be framed with "Simpson Strong-Tie" joist hangers or equal. Use

protection, installation and temporary bracing requirements of these materials.

"U.S. Product Standard PS 2 Performance Standard for Wood-Based Structural-Use Panels", or "APA PRP-108 Performance Standards." Panels shall be APA Rated Sheathing, Exposure 1, of the thickness and span rating shown on the drawings.

Wood structural panel installation shall be in conformance with APA recommendations. Allow 1/8" spacing at panel ends and edges,

All roof sheathing and sub-flooring shall be installed with face grain perpendicular to supports, except as indicated on the drawings.

Roof sheathing shall either be blocked, tongue-and-groove, or have edges supported by plywood edge clips centered between roof

Sub-flooring sheathing shall have tongue and groove joints or be supported by blocking.

Sub-flooring panels shall be field glued to the framing using adhesives meeting APA Specifications AFG-O1 or ASTM D3498.

For nailing of wall panels to framing refer to the drawings or nailing schedule in the drawings.

Framing nail sizes specified on the drawings are based on the following specification U.N.O.:

<u>Size</u>		<u>Diameter</u>
6d common		0.113"
8d common	2 1/2"	0.131"
10d common	3"	0.148"
12d common	3 1/4"	0.148"
16d common	3 1/2"	0.162"
Size	Length	Diameter
6d box	2"	0.099"
8d box	2 1/2"	0.113"
10d box	3"	0.128"
16d box	3 1/4"	0.135"
Size	Length	Diameter
6d cooler	1 7/8 "	0.092"
8d cooler	2 3/8"	0.113"

All framing nails shall conform to ASTM F667, "Standard Specification for Power Driven Fasteners: Nails, Spikes and Staples" and NER-272 "Power Driven Staples and Nails for Use in All Types of Building Construction." Cooler nails shall comply with ASTM C514.

Refer to nailing schedule in the drawings for nail size and spacing at a specified condition.

Nails shall be identified by labels attached to their containers that show the Manufacturer's name and NES report number, nail shank diameter, and length. Submit this information prior to framing.

If the Contractor proposes the use of alternate nails, they shall submit prior to construction nail specifications with certified calculations showing structural equivalence to the Structural Engineer of Record for review and approval.

stud walls, beams, etc., unless otherwise noted.	

Engineer of Record for written approval.

Wood headers or posts made up of 2 or more 2x's shall be spiked together per the nailing schedule.

For walls 10'-0" and greater provide blocking at mid-height for construction stability.

Double top plate splices shall lap 4'-0" and be nailed with 16 - 0.131" x 3" nails equally spaced with 1 1/2" end distance,

Unless otherwise noted, bottom plates of all exterior stud walls and interior bearing walls shall be anchored to new concrete

All exterior lumber and all lumber in contact with concrete or masonry, or exposed to the exterior shall be treated Southern Yellow Pine. Each sill plate shall have a minimum of 2 anchor rods with an anchor rod located within 12" of each end.

For nailing/fastener schedule refer to the drawings.

All members shall be stamped with the Manufacturer's name and/or logo, name of inspection agency and the applicable

(LSL), shall be the size and type shown on the drawings, manufactured by Truss-Joist or approved equal.

All PSL shall be manufactured in accordance with NER-292

The manufacturing process shall use a waterproof adhesive meeting the requirements of ASTM D2559. All grain shall be parallel

construction to prevent the moisture content of installed beams from exceeding 12%.

The Supplier is to furnish all connection materials required to fasten members to each other and to supports, exclusive of anchors embedded in masonry or concrete, and items to be field welded to structural steel.

type "HU" (or equal) matching or exceeding the depth of the joist or beam. Install the hanger with the maximum number of fasteners specified by the manufacturer. The joist hangers shall be nailed using special nails supplied by the hanger manufacturer. Proposed nail type substitutions shall conform to the ICC report for equal or greater load capacity and shall be submitted with the ICC report to the Structural Engineer of Record for written approval.

Comply with all recommendations by the Manufacturer and with approved shop drawings for the proper storage, handling,

Bear members full width of supporting member, stud walls, posts, trim studs, beams, etc.

Notching of the bearing end or the top and bottom face is not permitted.

When installing lag screws, drill a lead hole.

Wood structural panels shall conform to the requirement of "U.S. Product Standard PS 1 for Construction and industrial Plywood",

unless otherwise recommended by the Panel Manufacturer.

When roof sheathing is nailed directly to blocking, the blocking shall be nailed to support members with a minimum of 16d nails at 4" o.c.

:	Size		<u>Diameter</u>
	6d common		0.113"
	8d common	2 1/2"	0.131"
	10d common	3"	0.148"
	12d common	3 1/4"	0.148"
	16d common	3 1/2"	0.162"
	Size	Length	Diameter
•	6d box	2"	0.099"
	8d box	2 1/2"	0.113"
	10d box	3"	0.128"
	16d box	3 1/4"	0.135"
	Size	Length	Diameter
-	6d cooler	1 7/8"	0.092"
	8d cooler	2.3/8"	0.072

Nails fastening APA rated plywood sheathing shall be driven flush to the face of sheathing with no counter sinking permitted. Renail sheathing as necessary to comply.

CONNECTED ELEMENTS	FASTENING LOCATION	FASTENING SIZE AND PATTERN
. JOIST OR TRUSS TO SILL, GIRDER OR WALL TOP PLATE	TOENAIL	3 - 8d COMMON OR 3 - 3" x 0.131" NAIL
2. BRIDGING TO JOIST OR TRUSS	TOENAIL EACH END	2 - 8d COMMON OR 2 - 3" x 0.131" NAILS
3. SILL PLATE TO JOIST, TRUSS OR BLOCKING	FACE NAIL	3 - 16d AT 16" OC OR 3 - 3" x 0.131" NAILS AT 16" OC
4. TOP PLATE TO STUD	END NAIL	2 - 16d COMMON OR 3 - 3" x 0.131" NAIL
5. STUD TO SILL PLATE	TOENAIL	4 - 8d COMMON OR 4 - 3" x 0.131" NAIL
6. STUD TO SILL PLATE	END NAIL	2 - 16d COMMON OR 3 - 3" x 0.131" NAIL
7. DOUBLE STUDS	FACE NAIL	16d COMMON AT 24" OC OR 3" x 0.131" NAIL AT 8" OC
8. DOUBLE TOP PLATES	FACE NAIL	16d COMMON AT 16" OC OR 3" x 0.131" NAIL AT 12" OC
9. DOUBLE TOP PLATES	LAP SPLICE	16 - 3" x 0.131" NAILS
10. BLOCKING BETWEEN JOISTS, TRUSSES OR RAFTERS TO TOP PLATE	TOE NAIL	3 - 8d COMMON OR 3 - 3" x 0.131" NAIL
11. RIM JOIST TO TOP PLATE	TOENAIL	8d COMMON AT 6" OC OR 3" x 0.131" NAILS AT 6" OC
12. TOP PLATE INTERSECTIONS	FACE NAIL	2 - 16d COMMON OR 3 - 3" x 0.131" NAIL
13. CONTINUOUS HEADER, TWO PIECES	FACE NAIL	ROWS 16d COMMON AT 16" OC - ONE ROW EACH EDGE
14. CEILING JOISTS OR TRUSSES TO PLATE	TOENAIL	3 - 8d COMMON OR 5 - 3" x 0.131" NAIL
15. CONTINUOUS HEADER TO STUD	TOENAIL	4 - 8d COMMON
16. CEILING JOISTS OR TRUSSES LAPPED OVER PARTITIONS	FACE NAIL	3 - 16d COMMON OR 4 - 3" x 0.131" NAIL
17. CEILING JOISTS OR TRUSSES TO PARALLEL RAFTERS	FACE NAIL	3 - 16d COMMON OR 4 - 3" x 0.131" NAIL
18. RAFTER TO PLATE	TOENAIL	3 - 8d COMMON OR 3 - 3" x 0.131" NAIL
19. BUILT-UP CORNER STUDS	FACE NAIL	16d COMMON AT 24" OC 3" x 0.131" NAILS AT 16" OC
20. BUILT-UP GIRDER AND BEAMS, 3 OR MORE PIECES	FACE NAIL AT TOP AND BOTTOM STAGGERED AT OPPOSITE SIDES	20d COMMON AT 32" OC OR 3" x 0.131" NAILS AT 24" OC
21. WOOD STRUCTURAL PANELS AND PARTICLE BOARD AS SUBFLOOR, ROOF AND WALL SHEATHING APPLICATIONS TO WALL FRAMING	6" OC AT EDGES AND AT SHEARWALLS, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE	1/2" THICKNESS OR LESS - 6d COMMON 19/32" TO 3/4" THICKNESS - 8d COMMON 7/8" TO 1" THICKNESS - 10d COMMON NOTE: 8d COMMON IS THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS IN ROOF SHEATHING APPLICATIONS

WOOD FASTENERS -- STRUCTURAL WOOD SCREWS:

Structural wood screws as specified in the drawings refer to threaded steel screws that are self-drilling, dowel-type fasteners used primarily for wood-to-wood connections. These carbon steel screws are manufactured by a cold-formed process and are heat-treated with rolled threads. No pre-drilling is required.

Screws are specified in the drawings per nominal diameter and length. The diameter refers to a nominal measure of the threads, which is larger than the unthreaded shaft of the fastener. Length specified does not include fastener head. Actual dimensions and available lengths vary with Manufacturer.

Acceptable products are listed below. Contractor may submit alternate products for approval by Structural

The following minimum dimensions and material properties shall apply:

Size specified 1/4" Diameter	Minimum Shank; 0.169"	Root Diameters (in)	Acceptable Products GRK RSS Simpson SDS			
5/16" Diameter	0.189"	0.172"	GRK RSS Simpson SDWH FastenMasterTimberlok			
3/8" Diameter	0.219"	0.191"	GRK RSS Simpson SDWS FastenmasterLedgerlok			
Minimum Allowable Te						
1/4" Diameter		2 lbs				
5/16" Diameter 3/8" Diameter	·=·	0 lbs 05 lbs				
3/6 Diditielei	130	00 ID3				
Minimum Allowable S	Minimum Allowable Shear strength of fastener (lbs):					
1/4" Diameter		4 lbs				
5/16" Diameter	770) lbs				
3/8" Diameter	910) lbs				
Minimum Bending Yie	ld Strength: 165	5,000 psi				

				WALL PANEL FASTENING	TOP AND SILL PLATE FASTENING - SEE NOTE 20			
WALL TYPE	WALL PANEL CONSTRUCTION	EDGE SUPPORT SPACING		MINIMUM FASTENER SIZE	SEE NOTE	SIMPSON OR USP CLIP ANGLE	COMMON OR FRAMING NAILS	
SWA	1 LAYER 5/8" GYP BOARD ONE SIDE OF WALL - UNBLOCKED	7"	7"		11 TO 14	A34 OR MP34 AT 36" OC	16d AT 16" OR 3" x 0.131" AT 12	
SWB	1 LAYER 5/8" GYP BOARD ONE SIDE OF WALL - UNBLOCKED	4"	4"		11 TO 14	A34 OR MP34 AT 36" OC	16d AT 12" OR 3" x 0.131" AT 8	
SWC	1 LAYER 5/8" GYP BOARD ONE SIDE OF WALL - BLOCKED	7"	7''	6d COOLER OR WALLBOARD NAIL 1 3/4" LONG OR	11 TO 15	A34 OR MP34 AT 36" OC	16d AT 16" OR 3" x 0.131" AT 8	
SWD	1 LAYER 5/8" GYP BOARD ONE SIDE OF WALL - BLOCKED	4"	4"	16 GA. STAPLE, 1 1/2" LEGS, 1 5/8" LONG	11 TO 15	A34 OR MP34 AT 24" OC	16d AT 12" OR 3" x 0.131" AT 8	
SWE	1 LAYER 5/8" GYP BOARD BOTH SIDES OF WALL - BLOCKED	7"	7''		11 TO 15	A34 OR MP34 AT 18" OC	16d AT 8" OR 3" x 0.131" AT 4'	
SWF	1 LAYER 5/8" GYP BOARD BOTH SIDES OF WALL - BLOCKED	4"	4"		11 TO 15	A35 OR MP34 AT 18" OC	16d AT 6" OR 3" x 0.131" AT 4'	
SWG	2 LAYERS 5/8" GYP BOARD ONE SIDE OF WALL - BLOCKED	9" BASE PLY 7" FACE PLY	9" BASE PLY 7" FACE PLY	BASE PLY - 6d COOLER NAIL OR 1 3/4" LONG WALLBOARD NAIL OR 16 GA. STAPLE, 1 1/2" LEGS, 1 5/8" LONG	11 TO 15	A35 OR MPA1 AT 24" OC	16d AT 8" OR 3" x 0.131" AT 6'	
SWH	2 LAYERS 5/8" GYP BOARD BOTH SIDES OF WALL - BLOCKED	9" BASE PLY 7" FACE PLY	9" BASE PLY 7" FACE PLY	FACE PLY - 8d COOLER NAIL OR 2 3/8" LONG WALLBOARD NAIL OR 15 GA. STAPLE, 1 1/2" LEGS, 2 1/4" LONG	11 TO 15	A35 OR MPA1 AT 12" OC	16d AT 4" OR 3" x 0.131 AT 3"	
SWJ	1 LAYER 15/32" OSB OR PLYWOOD ONE SIDE OF WALL - BLOCKED	4''	12"	10d COMMON OR GALVANIZED BOX NAIL	16, 18	A35 OR MPA1 AT 12" OC	16d AT 3" OR 3" x 0.131 AT 2"	
SWK	1 LAYER 15/32" OSB OR PLYWOOD ONE SIDE OF WALL - BLOCKED	3"	12"	8d COMMON OR GALVANIZED BOX NAIL	16, 18	LS90 OR MP9 AT 16" OC	16d AT 3" OR 3" x 0.131 AT 2"	
SWL	1 LAYER 15/32" OSB OR PLYWOOD ONE SIDE OF WALL - BLOCKED	3"	12"	10d COMMON OR GALVANIZED BOX NAIL	17 TO 19	LS90 OR MP9 AT 12" OC	16d AT 2" OR 3" x 0.131 AT 2"	
SWM	1 LAYER 15/32" OSB OR PLYWOOD ONE SIDE OF WALL - BLOCKED	2''	12"	8d COMMON OR GALVANIZED BOX NAIL	17 TO 19	LS90 OR MP9 AT 12" OC	16d AT 2"	
SWN	1 LAYER 15/32" OSB OR PLYWOOD ONE SIDE OF WALL - BLOCKED	2"	12"	10d COMMON OR GALVANIZED BOX NAIL	17 TO 19	LS90 OR MP9 AT 12" OC	16d AT 2"	

I. PROVIDE 2 STUDS AT EACH END OF SHEAR WALL. END STUDS SHALL RECEIVE EDGE NAILING. 2. ALL BLOCKING IN WALLS SHALL MEET OR EXCEED STUD GRADE.

3. PANEL JOINTS SHALL OCCUR AT THE CENTERLINE OF STUDS AND BLOCKING.

4. VERIFY WITH ARCHITECT IF ADDITIONAL LAYERS OF GYP BOARD ARE REQUIRED FOR FINISHES. 5. CONTRACTOR'S OPTION - PROVIDE CLIPS AT TOP AND SILL PLATE BY ALTERNATE

MANUFACTURER THAT MEET OR EXCEED CAPACITY OF CLIPS INDICATED IN SCHEDULE. 6. SEE SHEAR WALL BASE CONNECTION SCHEDULE FOR ANCHORAGE TO SUPPORT MATERIAL. 7. SEE HOLD DOWN SCHEDULE FOR HOLD DOWN INFORMATION.

8. PROVIDE NAILING AT CLIP ANGLES PER MANUFACTURER'S RECOMMENDATIONS. 9. TOP AND SILL PLATE NAILING SHALL BE STAGGERED WHERE NAILS ARE SPACED AT 2" OC.

10. ALL FASTENERS IN CONTACT WITH TREATED WOOD SHALL BE GALVANIZED.

11. ALL WALLBOARD NAILS INDICATED IN SCHEDULE SHALL BE 0.120" DIA AND HAVE MINIMUM 3/8" HEAD 12. STAPLES SHALL BE GALVANIZED, HAVE 7/16" MINIMUM CROWN WIDTH AND BE INSTALLED

PARALLEL TO FRAMING MEMBERS.

13. 6d NAILS MAY BE SUBSTITUTED WITH NO. 6 - 2" TYPE W DRYWALL SCREWS. 8d NAILS MAY BE SUBSTITUDED WITH NO. 6 - 2 1/2" TYPE W DRYWALL SCREWS.

14. PROVIDE EXTERIOR GYP BOARD WHERE SHEAR WALL IS AN EXTERIOR WALL. 15. BLOCK ALL PANEL EDGES WITH WOOD BLOCKING TO MATCH THE WALL STUD SIZE.

16. BLOCK ALL PANEL EDGES WITH WOOD BLOCKING 2" NOMINAL OR WIDER. 17. BLOCK ALL PANEL EDGES WITH WOOD BLOCKING 3" NOMINAL OR WIDER, STAGGER NAILS. 18. PROVIDE 1 1/2" MINIMUM PENETRATION INTO STUD AT 10d NAIL AND 1 3/8" MIN AT 8d NAIL.

19. STUDS AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL WIDTH OR GREATER. 20. USE EITHER SPECIFIED CLIP ANGLE OR NAILING AS SPECIFIED BY REFERRING DETAIL.

WOOD SHEAR WALL BASE CONNECTION SCHEDULE												
	٨	MINIMU	и емве	DMENT								
	0.145" DIA	1/4" DIA	3/4" DIA	COMMENTS								
HILTI X-CP SHANK FASTENER	1 3/8"	1	i	i	-							
CONC SCREW ANCHOR	-	1"	2 1/4"	3 1/4"	4"							
CAST-IN THREADED ROD	-	ı	2 1/2"	3"	3 1/2"							
EXPANSION ANCHOR	-	1 1/8"	2 1/4"	2 3/4"	3 1/4"							
ADHESIVE ANCHOR	-	ı	2 3/4"	3 1/8"	3 1/2"							
SHEAR WALL TYPE	MAX	IMUM F.	NG									
SWA	16"	32"	48"	48"	48"							
SWB	16"	24"	48"	48"	48"							
SWC	16"	24"	48"	48"	48"							
SWD	16"	24"	48"	48"	48"							
SWE	8"	12"	32"	48"	48"							
SWF	8"	12"	24"	48"	48"							
SWG	12"	16"	48"	48"	48"							
SWH	6"	8"	24"	24"	32"							
SWJ	4''	8"	16"	24"	32"							
SWK	4''	-	12"	24"	24"							
SWL	3"	-	i	16"	24"							
SWM	3"	-	i	16"	24"							
SWN	3"	1	ī	16"	24"							

PER MANUFACTURER'S SPECIFICATIONS.

I. CONTRACTOR SHALL SELECT PREFERRED BASE FASTENER(S) FROM THIS SCHEDULE AND INSTALL

2. SEE WOOD SHEAR WALL CONSTRUCTION SCHEDULE FOR ADDITIONAL INFORMATION.

HD12 / TD12 1 1/8'' PER MFR HD10 4 - 2x6 1 1/4" PER MFR 1. INSTALL BUILT-UP FASTENERS ON FACE OF STUD OPPOSITE THE HOLD DOWN, FULL HEIGHT OF THE STUD. BUILT-UP FASTENERS ARE ADDITIONAL TO THE TYPICAL WOOD FASTENING SCHEDULE REQUIREMENTS. 2. FORCES INDICATED IN SCHEDULE ARE SERVICE TENSION OR COMPRESSION FORCES. 3. PRECAST COMPONENTS SHALL BE DESIGNED BY THE SUPPLIER FOR THE LOADS SHOWN IN SCHEDULE.

AND BETWEEN FLOORS FOR HOLD DOWN FORCES INDICATED IN SCHEDULE. 6. ALTERNATE HOLD DOWNS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR APPROVAL PRIOR TO CONSTRUCTION. HOLD DOWNS MUST MEET THE SCHEDULED FORCE CRITERIA.

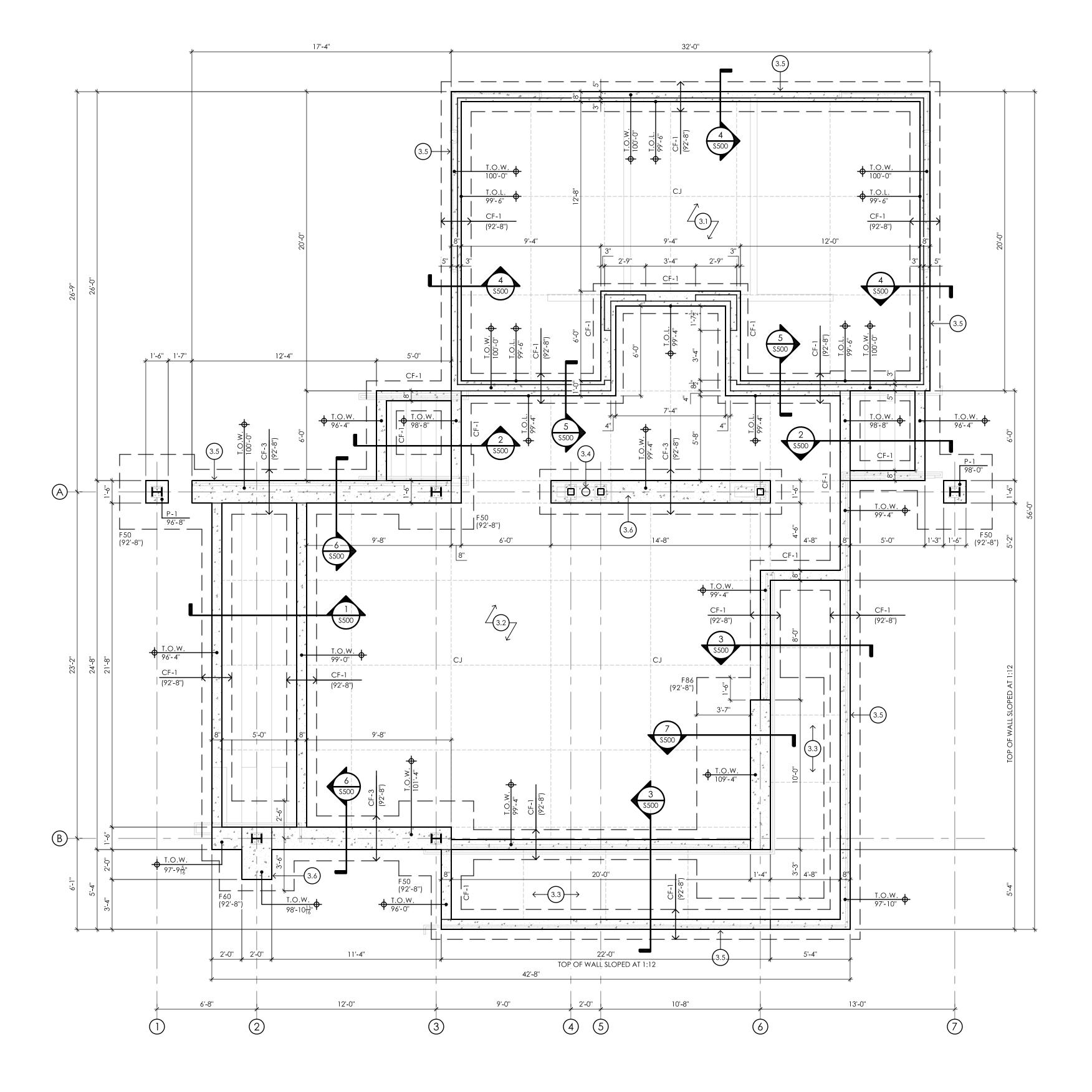
HOLD DOWN SCHEDULE WALL END CONSTR HOLD DOWN ANCHOR HOLD NO. FASTENERS | DOWN DOWN END STUD SIMPSON ANCHOR TO WALL FORCE MARK | STUDS | FASTENERS OR USP END STUD (KIPS) DIA 2 - 2x HTT4 / HTT16 5/8" 18 - 16d x 2 1/2 HD2 2 - 2x HTT5 / HTT22 5/8" 26 - 10d x 3 HD3 2 - 2x HDU5 / PHD5A PER MFR HD4 2 - 2x HDU8 / PHD8 PER MFR HD5 3 - 2x 16d AT 8" OC HDU8 / PHD8 PER MFR 1/4" x 5" SWS HD6 4 - 2x HDU11 / UPHD9 PER MFR AT 12" OC 1/4" x 6 SWS 5 - 2x4 HD7 PER MFR HDU11 / UPHD9 8.0 OR 4 - 2x6 AT 8" OC 5 - 2x4 1/4" x 5" SWS HD8 HDU14 / UPHD14 PER MFR 10.4 OR 4 - 2x6 AT 8" OC 13.1

4. 2x END STUDS SHALL MATCH THE TYPICAL WALL STUD DEPTH, UNLESS NOTED OTHERWISE. 5. AT COLD-FORMED SHEAR WALLS, COLD-FORMED SUPPLIER SHALL DESIGN ANCHORAGE TO SLAB

8. SEE TYPICAL HOLD DOWN ANCHOR DETAIL FOR ADDITIONAL INFORMATION AT WOOD-FRAMED WALLS. 9. SEE WOOD SHEAR WALL CONSTRUCTION SCHEDULE FOR ADDITIONAL INFORMATION. 10. ALL HOLD DOWNS MUST STACK VERTICALLY UP THE BUILDING. ADD FULL HEIGHT STUDS AS NECESSARY AT UPPER LEVELS TO ALIGN HOLD DOWNS WITH THE LEVEL BELOW.

7. SEE TYPICAL HOLD DOWN DETAILS FOR ANCHORAGE REQUIREMENTS AT BASE MATERIAL.





FOUNDATION PLAN 1/4" = 1'-0"

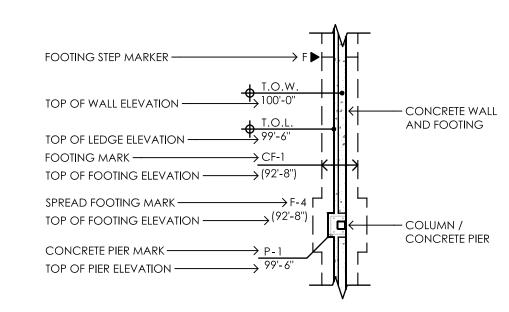
GENERAL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL STRUCTURAL SYSTEMS WITH ARCHITECTURAL FINISHES, DETAILS, ETC. CONTRACTOR SHALL COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS TO AVOID CUTTING OR ALTERING STRUCTURAL MEMBERS IN ANY MANNER. DO NOT FIELD CUT ANY STRUCTURAL BEAM, COLUMN, JOIST, ETC. WITHOUT WRITTEN APPROVAL FROM ENGINEER OF RECORD
- 2. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. PROVIDE CONSTRUCTION SHORING AND BRACING AS NECESSARY TO COMPLETE THE INSTALLATION OF ALL STRUCTURAL MEMBERS / FOOTINGS / ETC.
- 3. NO OPENINGS OR SLEEVES (EXCEPT AS DETAILED) SHALL BE CUT OR PROVIDED IN FOOTINGS, WALLS, OR STRUCTURAL FLOOR CONSTRUCTION WITHOUT APPROVAL
- 4. CONTRACTOR SHALL EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM SPECIFIED TESTING AS DESCRIBED IN THE CONTRACT DOCUMENTS
- 5. ALL CONCRETE TO BE MINIMUM F'C = 4000 PSI EXPOSED WALLS + PIERS, PROVIDE AIR ENTRAINED CONCRETE (6% ± 1.5%)
- 6. FOOTINGS ARE SHOWN ON THE PLAN AS MINIMUM REQUIRED SIZES. CONTRACTOR OPTION: CONTRACTOR MAY OPT TO INCREASE FOOTING SIZE(S) / COMBINE FOOTINGS AS LONG AS THE REINFORCING IS MAINTAINED AS INDICATED AND IS LOCATED WITHIN THE FUNCTIONAL EXTENTS AS SHOWN ON THE FOUNDATION PLAN. ANY VOLUNTARY MODIFICATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACTOR'S BASE BID PRICE

KEYED NOTES:

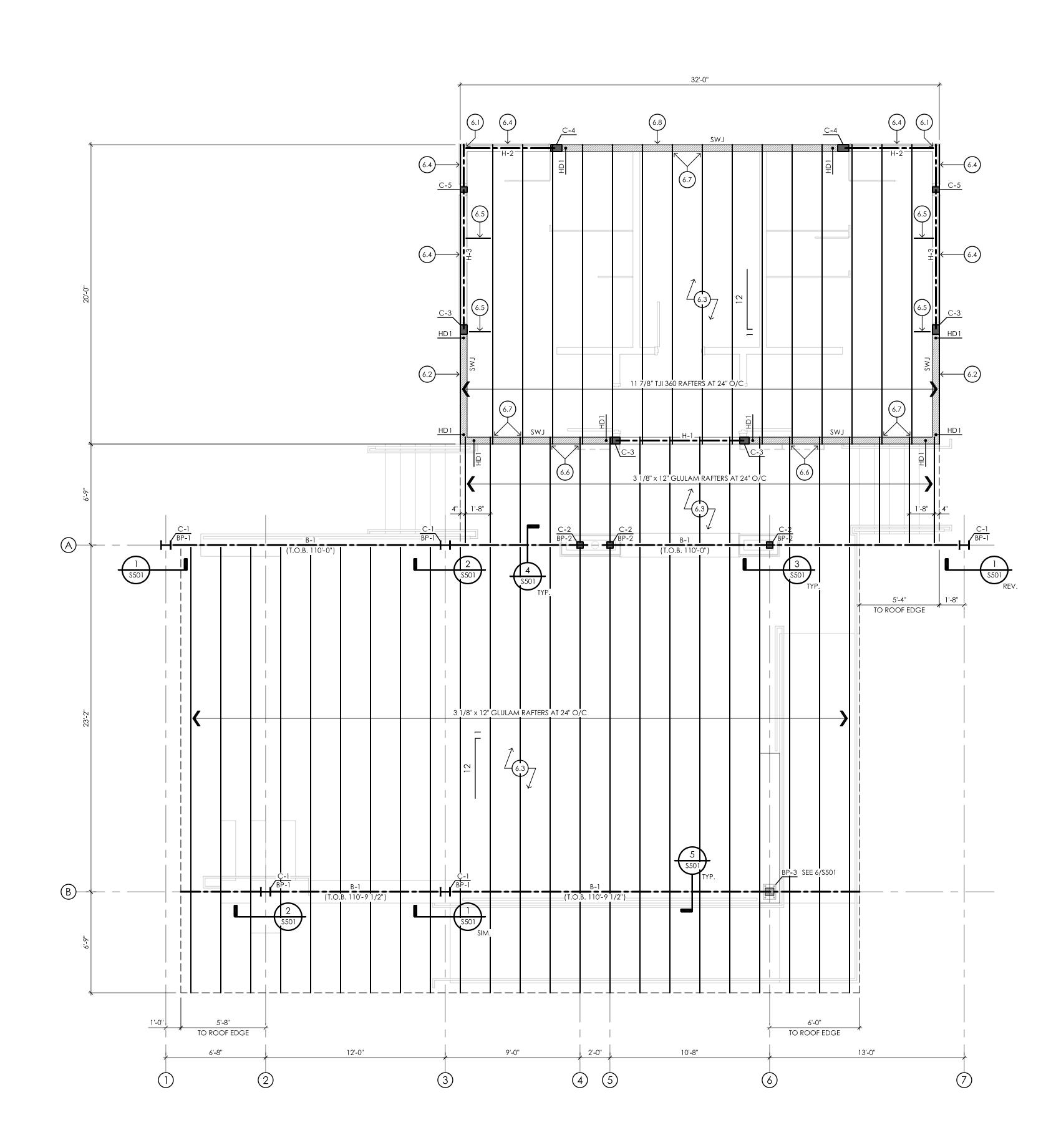
- 3.1 4" THICK CAST-IN-PLACE CONCRETE SLAB-ON-GRADE REINFORCED WITH WWF 6x6xW2.9xW2.9 AT MID DEPTH, 15 MIL VAPOR RETARDER, AND 4" MINIMUM COMPACTED GRANULAR BASE
- 3.2 4" THICK CAST-IN-PLACE CONCRETE SLAB-ON-GRADE REINFORCED WITH WWF 6x6xW2.9xW2.9 AT MID DEPTH, AND 4" MINIMUM COMPACTED GRANULAR BASE
- 3.3 6" THICK CAST-IN-PLACE CONCRETE SLAB-ON-GRADE REINFORCED WITH WWF 6x6xW2.9xW2.9 AT MID DEPTH, AND 6" MINIMUM COMPACTED
- 3.4 CAST STORM PIPING INTO CONCRETE WALL DOWN TO BELOW GRADE. COORDINATE WORK WITH PLUMBING CONTRACTOR
- 3.5 PROVIDE REVEALS IN WALLS AS INDICATED ON ARCH ELEVATIONS, PROFILE SIZE: 1/2" x 3/4" SYLVAN PRODUCTS # RVL-050-075-075 OR SIM.
- 3.6 WALL REINFORCING SIMILAR TO DETAIL 6/S500: #5 BARS AT 16" O/C VERTICAL AROUND PERIMETER OF WALL, #5 BARS AT 16" O/C HORIZONTAL AT EACH FACE WITH #5 'U' BARS AT ENDS

FOUNDATION LEGEND:



	FOOTING SCHEDULE									
FOOTING MARK	FOOTING DIMENSIONS (W x L x H)	FOOTING REINFORCEMENT								
CF-1	2'-0" x CONTIN. x 1'-0"	(2) #5 BARS LONGIT. CONTINUOUS								
CF-3	3'-0" x CONTIN. x 1'-0"	(3) #5 BARS LONGIT. CONTINUOUS								
F50	5'-0" x 5'-0" x 1'-0"	(5) #5 BARS EACH WAY BOTTOM								
F60	6'-0" × 5'-0" × 1'-0"	(5) #5 BARS LONGITUDINAL BOTTOM (6) #5 BARS TRANSVERSE BOTTOM								
F86	8'-6" x 14'-9" x 1'-6"	(8) #6 BARS LONGITUDINAL BOTTOM (14) #6 BARS TRANSVERSE BOTTOM								

C	CONCRETE PIER SCHEDULE									
PIER MARK	DIMENSIONS (W x L)	REINFORCEMENT								
P-1	1'-6" x 1'-6"	(4) #8 BARS VERTICAL AND #3 TIES AT 12" O/C HORIZONTAL W/ 2 ADDITIONAL TIES AT TOP OF PIER - SEE DETAIL 7/S501								



1 ROOF FRAMING PLAN

1/4" = 1'-0"

GENERAL NOTES:

- 1. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL STRUCTURAL SYSTEMS WITH ARCHITECTURAL FINISHES, DETAILS, ETC.
- 2. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. PROVIDE CONSTRUCTION SHORING AND BRACING AS NECESSARY TO COMPLETE THE INSTALLATION OF ALL STRUCTURAL MEMBERS / FOOTINGS / ETC.
- 3. DIMENSIONS ON FRAMING PLANS ARE TAKEN FROM FACE OF FRAMING /MASONRY, UNLESS NOTED OTHERWISE
- 4. ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED

KEYED NOTES:

6.1 PROVIDE SIMPSON HUCQ210-2-SDS CONCEALED FLANGE FACE-MOUNT HANGER USING SDS SCREWS ON THE INNER-MOST HOLES OF THE CONNECTOR ONLY

6.2 FASTEN GABLE END RAFTER TO 2x6 WALL TOP PLATE BELOW WITH SIMPSON STRONG-DRIVE SDWC15450 TRUSS SCREWS AT 24" O/C

STRONG-DRIVE SDWC15450 TRUSS SCREWS AT 24" O/C

6.3 3/4" T&G PLYWOOD ROOF DECKING (TYPICAL) - FASTEN TO RAFTERS WITH

10d COMMON NAILS AT 6" O/C AT EDGES & 12" O/C IN FIELD OF PANEL

6.4 PROVIDE (2) 2x6 ON EDGE AT WINDOW SILL SPANNING ACROSS OPENING
6.5 11 7/8" TJI BLOCKING AT 6'-3" ± O/C, FASTEN TO RAFTER WITH (1) SIMPSON STRONG-DRIVE SDWC 15450 TRUSS SCREW AT TOP & BOTTOM FLANGE
- REFER TO DETAIL 8/S400

6.6 PROVIDE (1) SIMPSON STRONG-DRIVE SDWC 15600 TRUSS SCREW THROUGH TOP OF WALL PLATE TO EACH GLULAM RAFTER, TYPICAL.

PROVIDE NOTCH IN GLULAM RAFTERS AS REQUIRED FOR LEVEL BEARING
6.7 PROVIDE (1) SIMPSON STRONG-DRIVE SDWC 15450 TRUSS SCREW AT
EACH TJI RAFTER TO DOUBLE WALL PLATE, TYPICAL. AT EAVE END, CUT
SEAT FOR LEVEL BEARING & PROVIDE 1 1/4" LSL RIM BOARD BLOCKING
BETWEEN RAFTERS

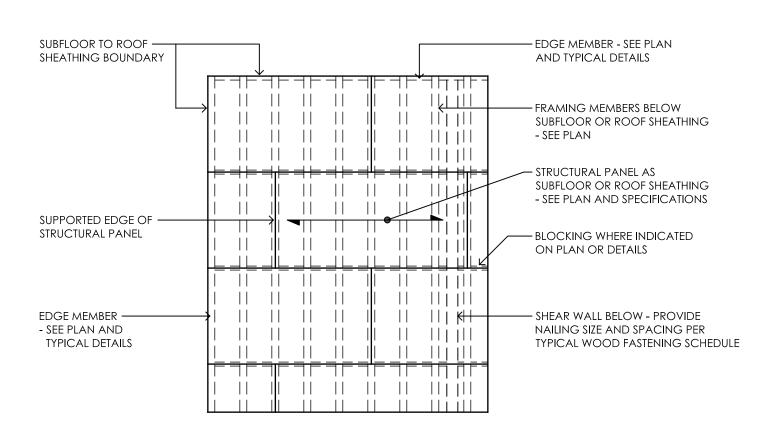
6.8 BEVEL / TILT WALL TOP PLATE TO MATCH SLOPE OF ROOF. PROVIDE CONTINUOUS 1 1/4" LSL RIM BOARD AT RIDGE END OF ROOF, CUT TO SIZE TO ACCOMMODATE RAFTER SLOPE

	COLUMN SCHEDULE
MARK	SIZE
C-1	W8x28 (GALVANIZED, PAINTED FINISH)
C-2	HSS 5x5x1/4" (GALVANIZED)
C-3	(2) 2x6 TRIMMER AND (3) 2x6 FULL HEIGHT KING POSTS
C-4	(2) 2x6 TRIMMER AND (4) 2x6 FULL HEIGHT KING POSTS
C-5	(3) 2x6 TRIMMER POSTS

	BASE PLATE SCHEDULE
MARK	size, anchors
BP-1	$\frac{3}{4}$ "x9"x0'-9" PL W/ (4) $\frac{3}{4}$ "Ø ANCHORS (14" EMBED) - SEE 8/S501
BP-2	$\frac{3}{4}$ "x9"x1'-0" PL W/ (4) $\frac{3}{4}$ "Ø ANCHORS (14" EMBED) - SEE 9/S501
BP-3	1"x10"x1'-0" PL W/ (4) \(\frac{3}{4}" \textit{Ø} ANCHORS (14" EMBED) \) - SEE 6/S501

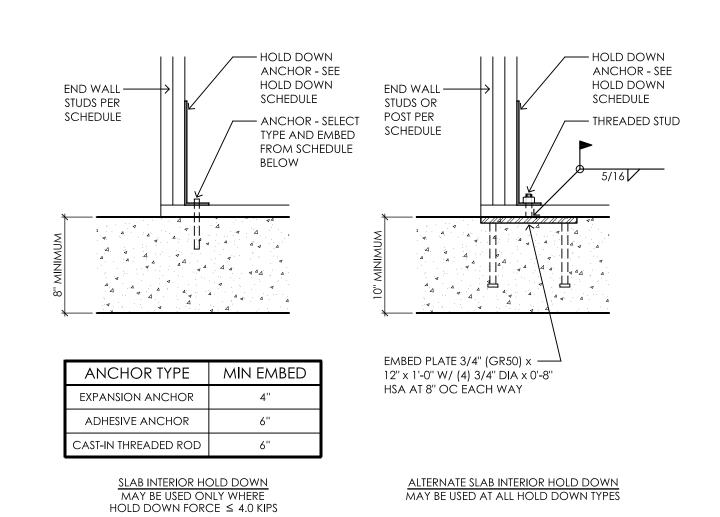
В	EAM / HEADER SCHEDULE							
MARK	SIZE							
B-1	5 1/2" x 16 1/2" GLULAM BEAM							
H-1	(2) 1 3/4" x 11 1/4" 2.0E MICROLAM LVL							
H-2	(2) 2x12 DF #1/#2							
H-3	(3) 2×12 DF #1/#2							





. FLOOR AND ROOF SHEATHING SHALL BE PLACED IN STAGGERED LAY-UP PATTERN ORIENTED AS SHOWN 2. PROVIDE NAILING AT EDGES AND INTERMEDIATE SUPPORTS OF SUBFLOOR AND SHEATHING PANELS AS INDICATED IN THE TYPICAL WOOD FASTENING SCHEDULE

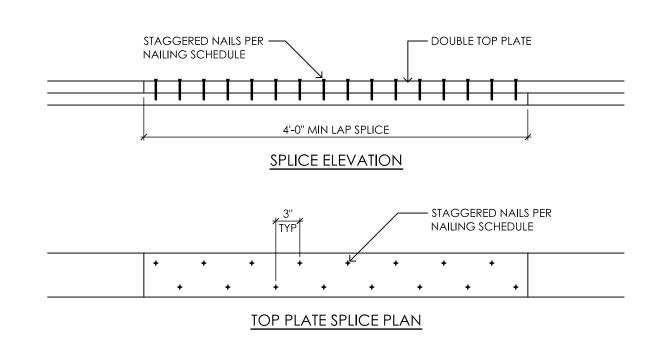
TYPICAL WOOD SUBFLOOR AND ROOF SHEATHING PLAN NO SCALE **** S400



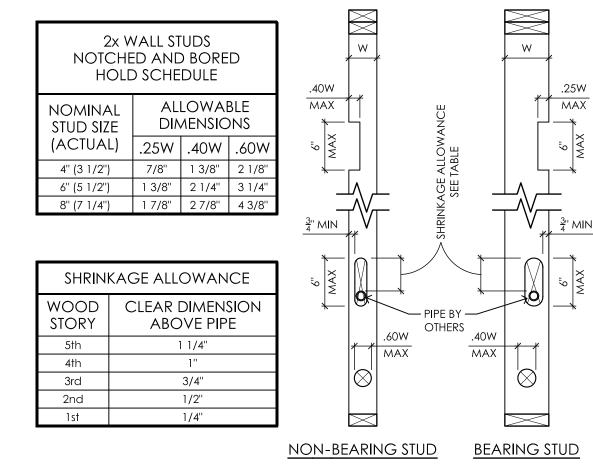
NOTES:

1. SEE THE HOLD DOWN SCHEDULE FOR REQUIRED ANCHOR DIAMETER AND ADDITIONAL INFORMATION

TYPICAL HOLD DOWN DETAILS AT INTERIOR CONCRETE SLABS NO SCALE S400



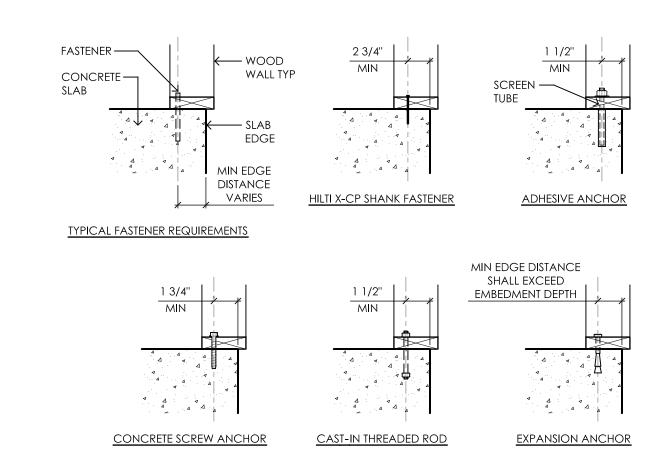
TYPICAL WOOD WALL TOP PLATE LAP SPLICE NAILING DETAIL **S**400 NO SCALE



NOTES:

1. NOTCHES ARE NOT PERMITTED IN EXTERIOR WALLS 2. HOLES, NOTCHES AND SLOTS ARE NOT TO BE LOCATED ADJACENT TO UNSOUND OR LOOSE KNOTS 3. INSTALL PLATE PROTECTION OVER ALL ELECTRICAL AND PLASTIC PIPE NOTCHES OR BORINGS 4. HOLES AND NOTCHES SHALL BE ELONGATED AS NEEDED FOR SHRINKAGE ALLOWANCE

TYPICAL 2x WALL STUD NOTCH & BORED HOLE SCHEDULE & DETAILS S400

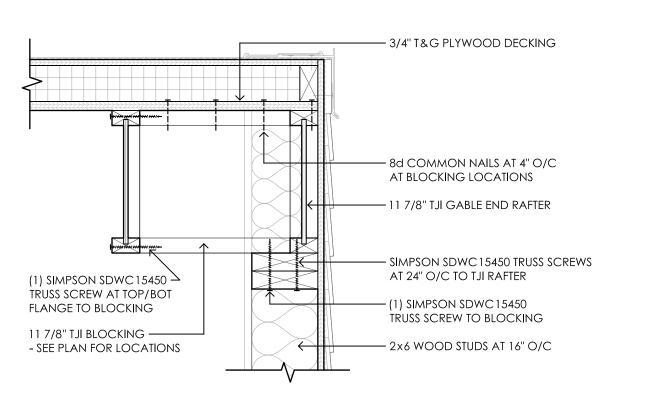


1. PROVIDE 4" MINIMUM EDGE DISTANCE TO FASTENER AT SLAB EDGE PERPENDICULAR TO WALL 2. SEE WOOD SHEAR WALL BASE CONNECTION SCHEDULE FOR ANCHOR SIZE, EMBEDMENT AND

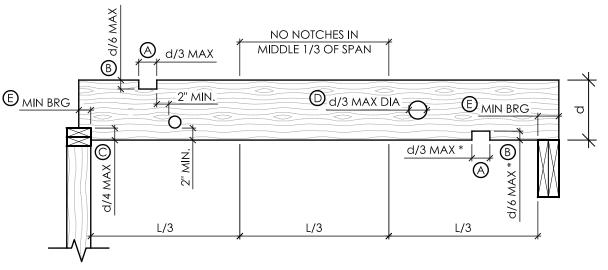
SPACING REQUIREMENTS 3. DO NOT DAMAGE PT REINFORCING. SELECT FASTENERS WITH EMBEDMENT DEPTHS THAT WILL

NOT DAMAGE PT TENDONS. VERIFY TENDON LOCATIONS PRIOR TO INSTALLATION

TYPICAL WOOD SHEAR WALL BASE CONNECTIONS AT C.I.P. CONCRETE S400 /





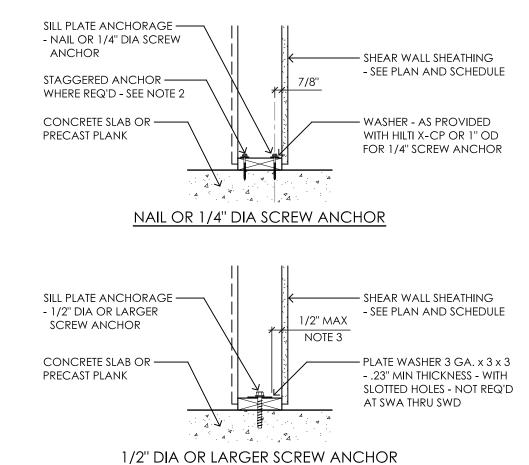


* NOTE : IF b \geq 3 1/2", THEN NO NOTCHES ON TENSION SIDE EXCEPT AT ENDS (b = MEMBER THICKNESS)

JOIST SIZE	MAX NOTCH LENGTH			MAX HOLE DIAMETER	(E) MIN BRG LENGTH (*)			
2x6	1 13/16"	1 13/16" 7/8" 1 3/		1 13/16"	1 1/2" 3"	1		
2x8	2 3/8"	1 3/16" 1 13/16"		2 3/8"	1 1/2" 3"	'		
2x10	3 1/16"	1 1/2"	2 5/16"	3 1/16"	1 1/2" 3"	'		
2x12	3 3/4"	3 3/4" 1 7/8" 2 13/		3 3/4"	1 1/2" 3"	1		

(*) NOTE: MINIMUM BEARING: 1 1/2" ON WOOD OR STEEL, 3" ON MASONRY

TYPICAL 2x WOOD JOIST NOTCH & **BORED HOLE SCHEDULE & DETAIL** S400

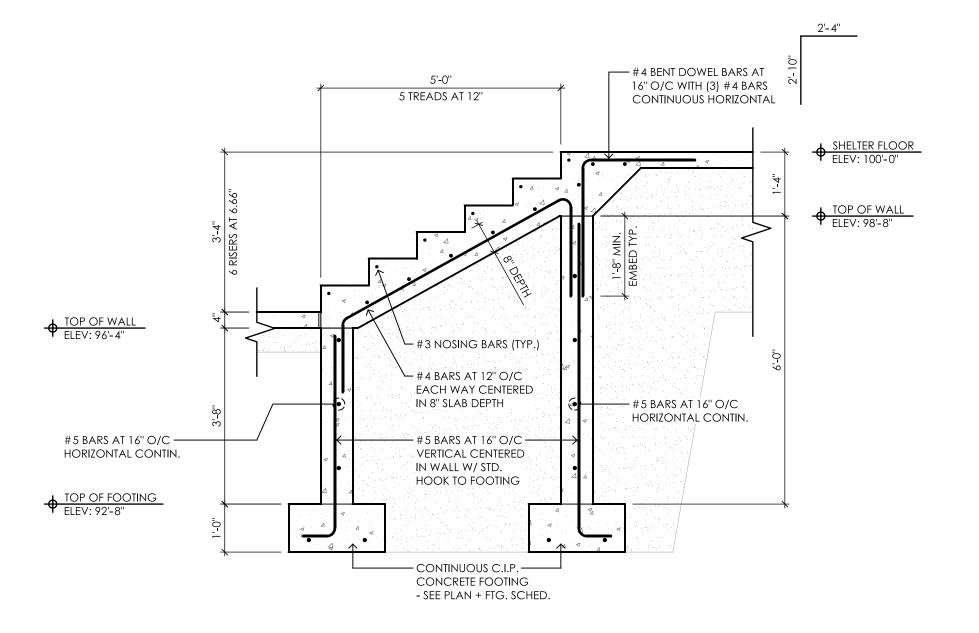


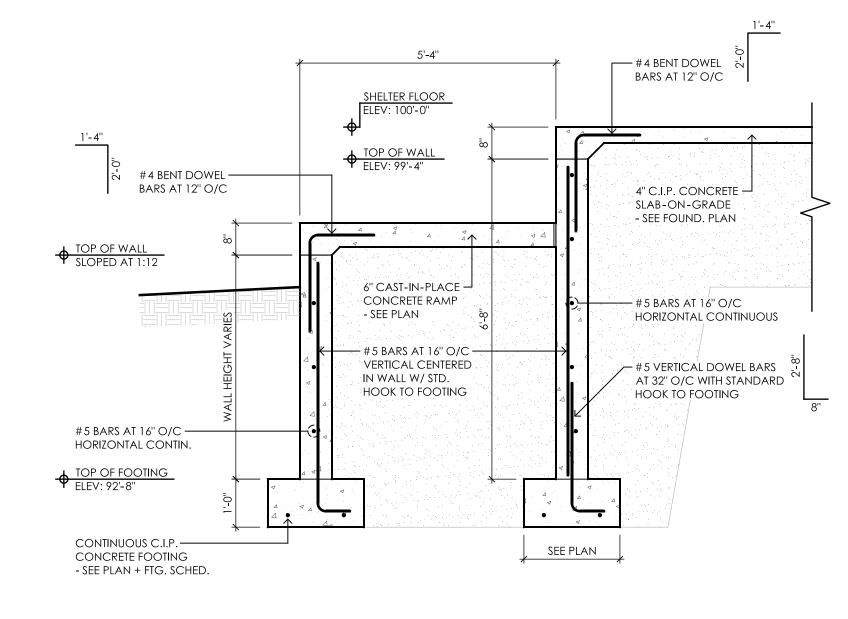
NOTES:

1. INSTALL SILL PLATE ANCHORAGE AS SHOWN AND AT SPACING INDICATED IN WOOD SHEAR WALL BASE CONNECTION SCHEDULE 2. WHERE SHEAR WALL HAS SCHEDULED SHEATHING ON BOTH SIDES OF WALL AND NAILS

OR 1/4" DIAMETER SCREW ANCHORS ARE USED, STAGGER ANCHORAGE AT BOTH EDGES OF SILL PLATE 3. STAGGER ANCHORS AT SWE, SWF AND SWH

TYPICAL WOOD SHEAR WALL SILL PLATE ANCHORAGE DETAIL

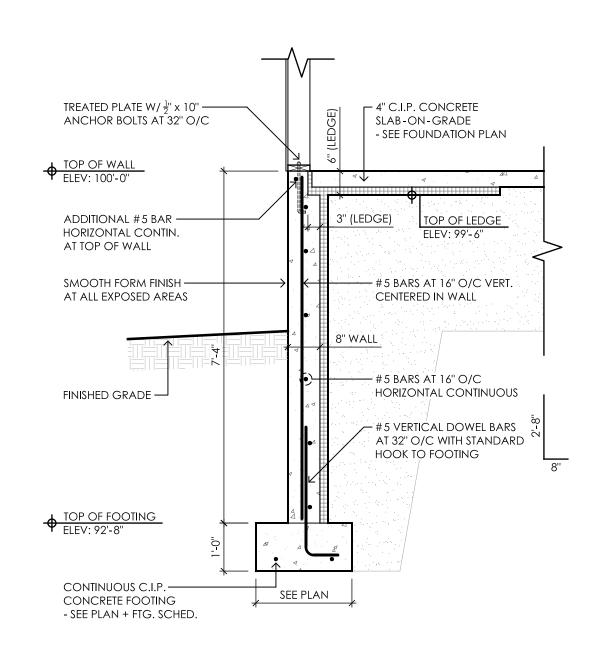


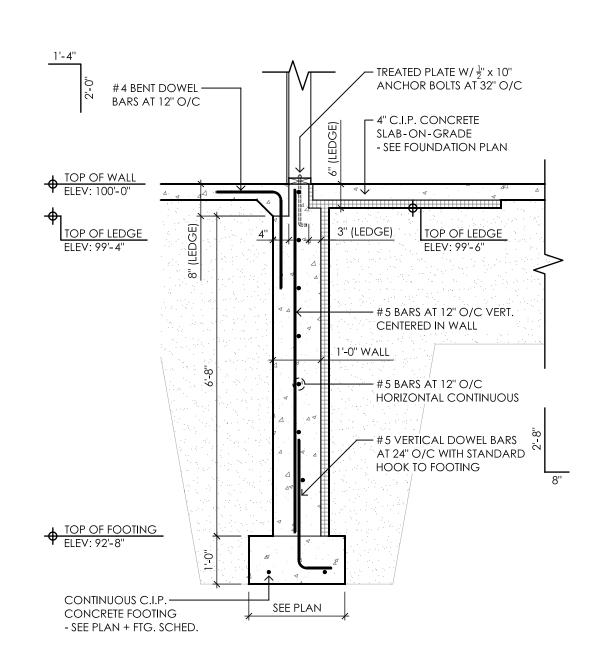


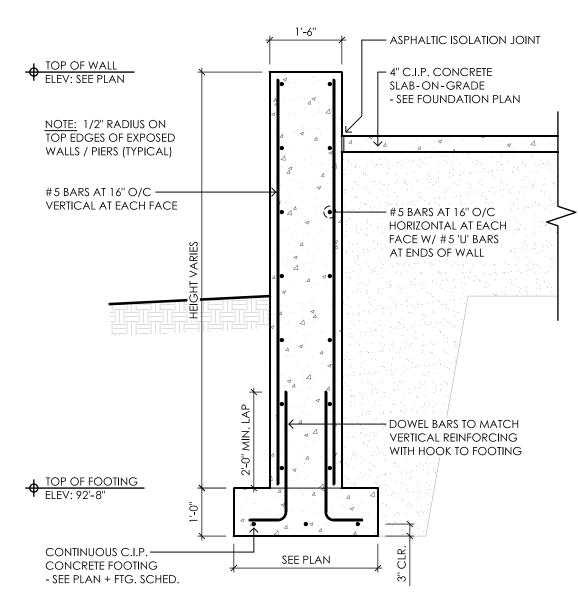
STAIR / SEATING SECTION S500





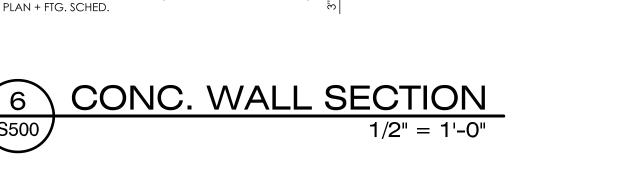


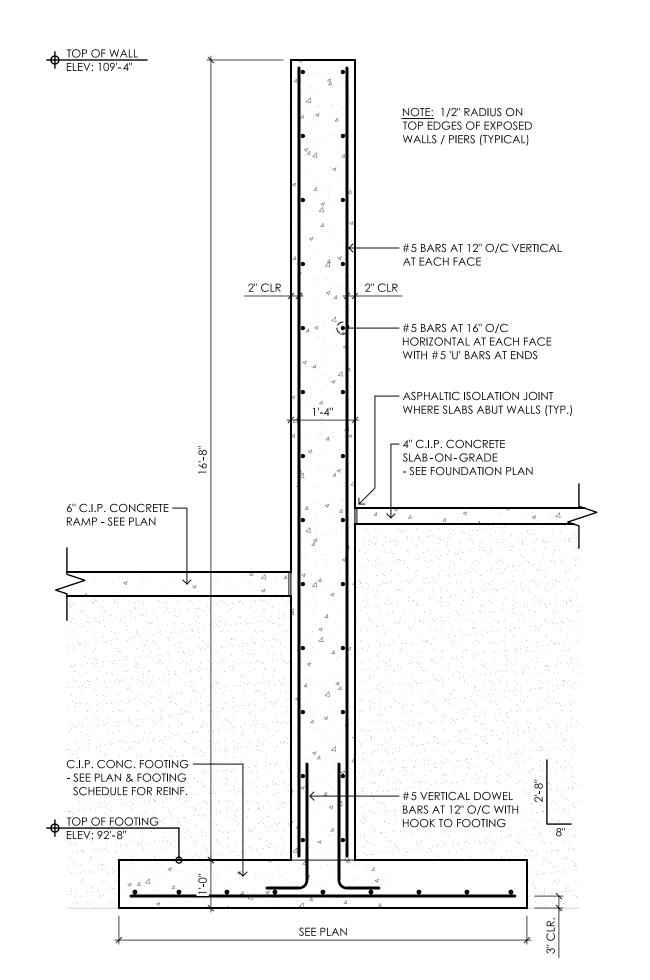






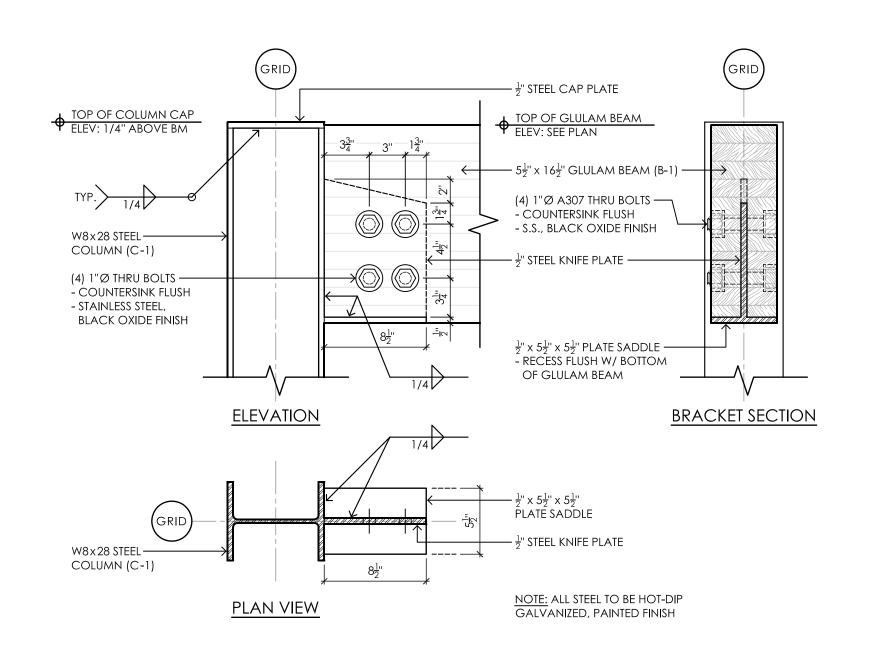


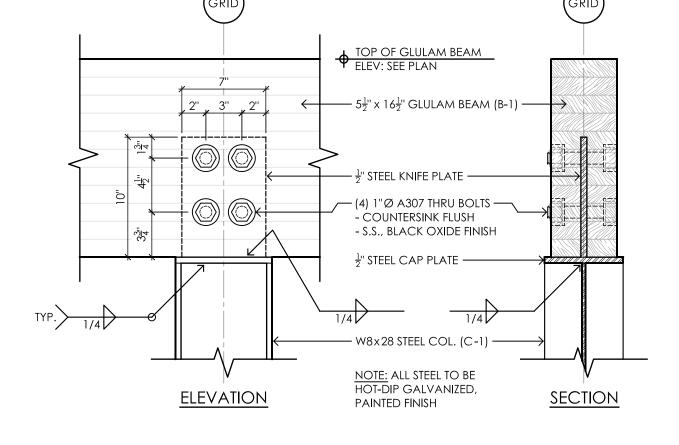


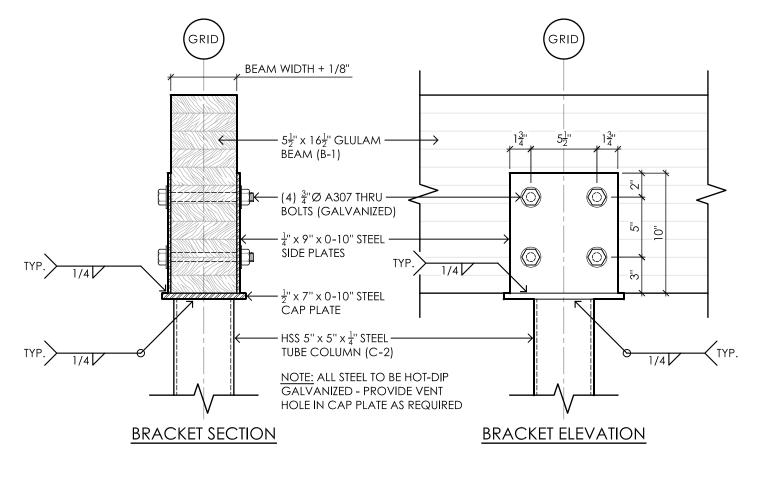








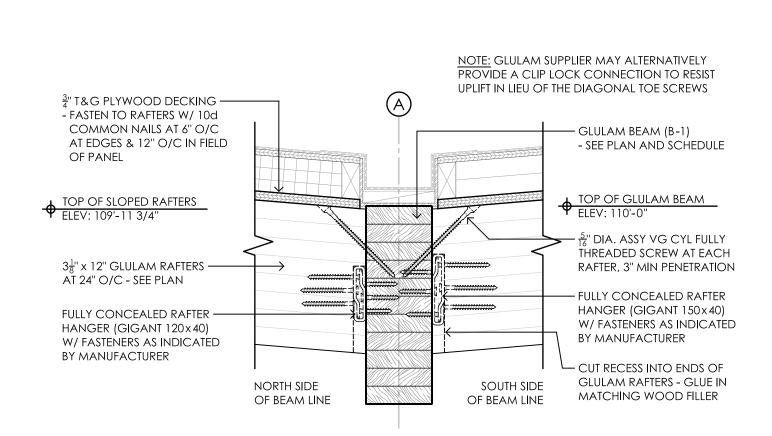


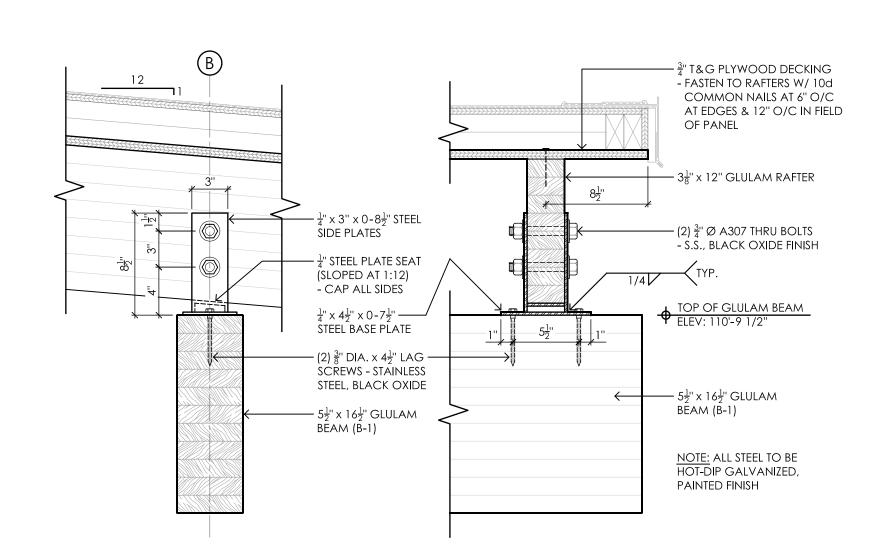


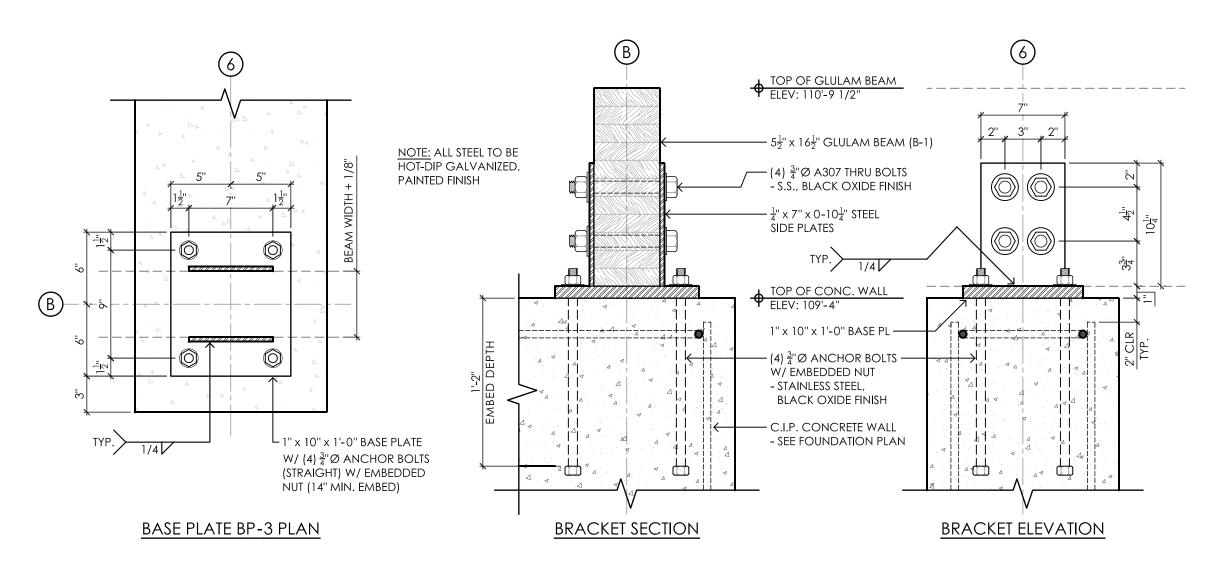
COL / BM CONNECTION DETAILS

BEAM SADDLE AT HSS COLUMN





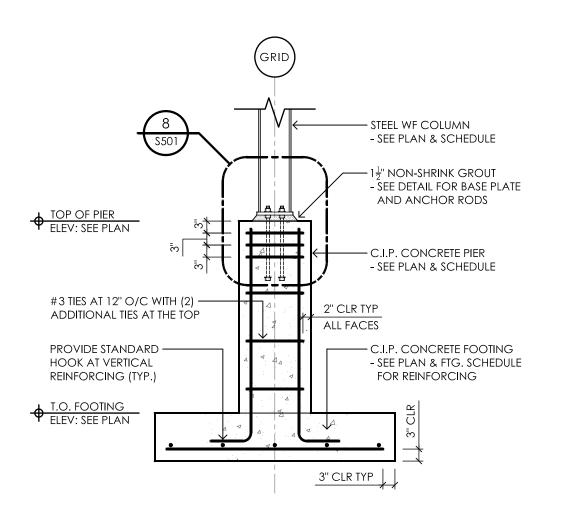




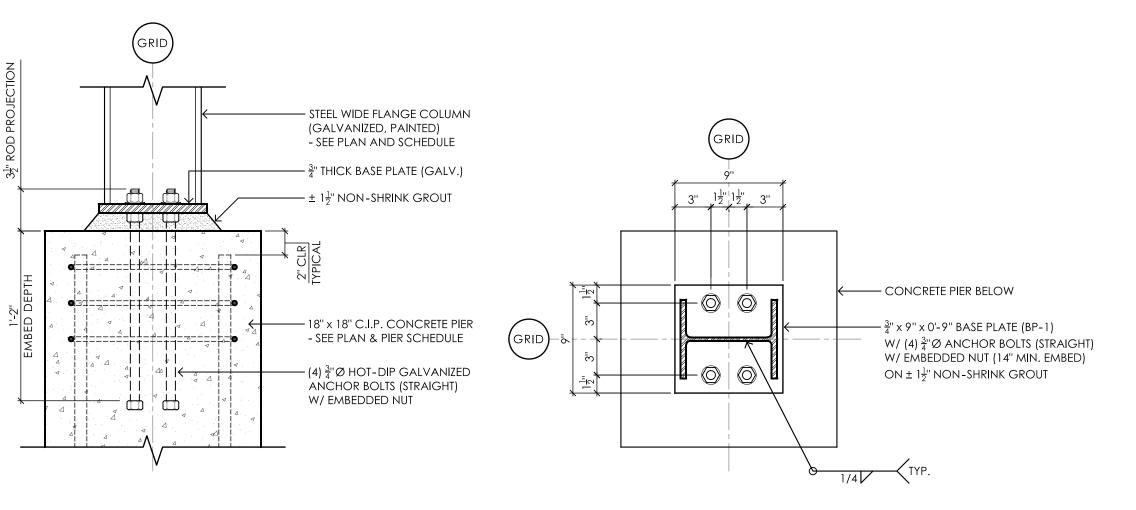
RAFTER CONNECTION DETAIL 1 1/2" = 1'-0"



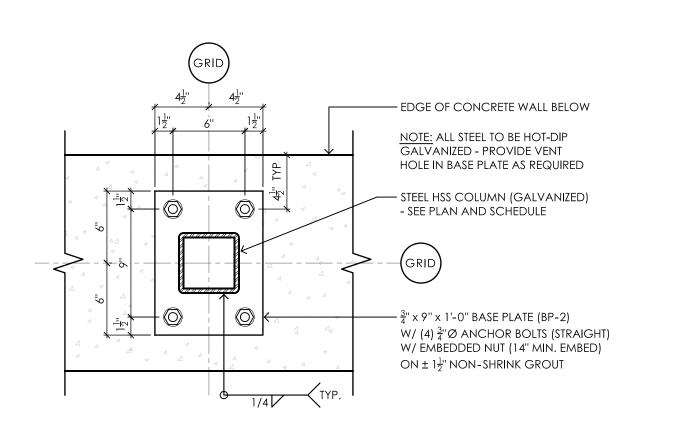








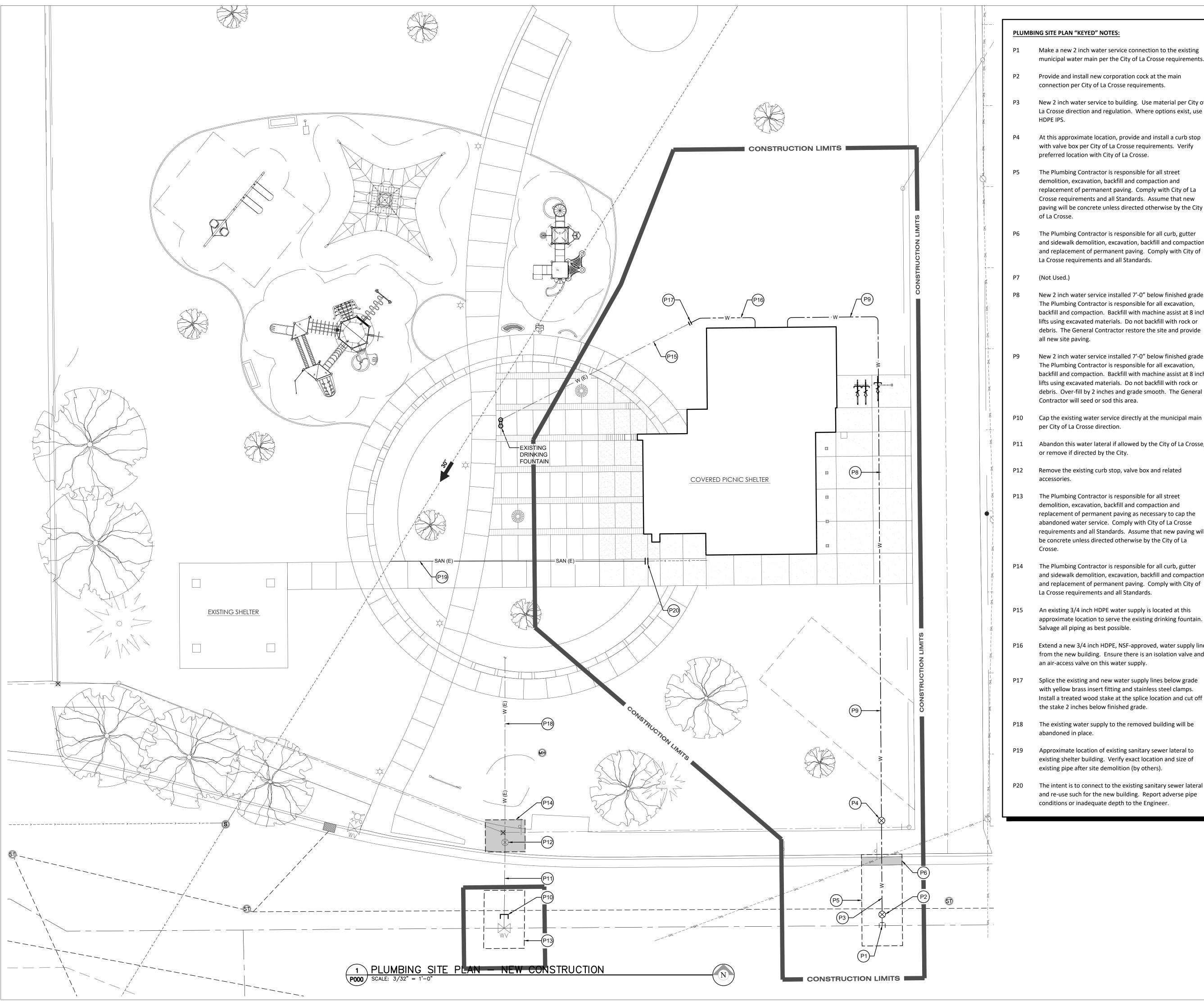




BASE PLATE BP-2 DETAIL 1 1/2" = 1'-0" E S

SHEET No





P1 Make a new 2 inch water service connection to the existing

- municipal water main per the City of La Crosse requirements.
- P3 New 2 inch water service to building. Use material per City of La Crosse direction and regulation. Where options exist, use
- with valve box per City of La Crosse requirements. Verify preferred location with City of La Crosse.
- The Plumbing Contractor is responsible for all street demolition, excavation, backfill and compaction and replacement of permanent paving. Comply with City of La Crosse requirements and all Standards. Assume that new paving will be concrete unless directed otherwise by the City
- The Plumbing Contractor is responsible for all curb, gutter and sidewalk demolition, excavation, backfill and compaction and replacement of permanent paving. Comply with City of La Crosse requirements and all Standards.
- New 2 inch water service installed 7'-0" below finished grade. The Plumbing Contractor is responsible for all excavation, backfill and compaction. Backfill with machine assist at 8 inch lifts using excavated materials. Do not backfill with rock or debris. The General Contractor restore the site and provide
- New 2 inch water service installed 7'-0" below finished grade. The Plumbing Contractor is responsible for all excavation, backfill and compaction. Backfill with machine assist at 8 inch lifts using excavated materials. Do not backfill with rock or debris. Over-fill by 2 inches and grade smooth. The General
- P10 Cap the existing water service directly at the municipal main
- P11 Abandon this water lateral if allowed by the City of La Crosse,
- P12 Remove the existing curb stop, valve box and related
- P13 The Plumbing Contractor is responsible for all street demolition, excavation, backfill and compaction and replacement of permanent paving as necessary to cap the abandoned water service. Comply with City of La Crosse requirements and all Standards. Assume that new paving will be concrete unless directed otherwise by the City of La
 - The Plumbing Contractor is responsible for all curb, gutter and replacement of permanent paving. Comply with City of
- P15 An existing 3/4 inch HDPE water supply is located at this approximate location to serve the existing drinking fountain.
- Extend a new 3/4 inch HDPE, NSF-approved, water supply line from the new building. Ensure there is an isolation valve and
- Splice the existing and new water supply lines below grade with yellow brass insert fitting and stainless steel clamps. Install a treated wood stake at the splice location and cut off
- The existing water supply to the removed building will be
- existing shelter building. Verify exact location and size of

PIPE PITCH,RISE(R) DROP(D) ——— PIPE CONNECTION PIPE TURNED UP PIPE TURNED DOWN OFF BOTTOM OF PIPE REDUCER (ECCENTRIC) CONNECT TO EXISTING ─────── REDUCER (CONC.)

GENERAL PIPING

→ DIRECTION OF FLOW

----- PIPE DESIGNATION

BLIND FLANGE **─U** BUSHING STRAINER

--- THERMOMETER

PLUMBING

——SCW ——— SOFT COLD WATER ——SHW ——— SOFT HOT WATER ----TW ----- TEMPERED WATER ----TWR----- TEMPERED WATER RETURN ——180———— 180 DEG. WATER

---- AV----- ACID VENT

----S ----- STORM BELOW GRADE STORM ABOVE GRADE

and sidewalk demolition, excavation, backfill and compaction

the stake 2 inches below finished grade.

The intent is to connect to the existing sanitary sewer lateral and re-use such for the new building. Report adverse pipe conditions or inadequate depth to the Engineer.

FLOOR DRAIN

O HUB DRAIN WATER HAMMER SUPPRESS.

FREEZE-PROOF (FWH) ---SAN----- SANITARY BELOW GRADE

---- V ----- VENT — D — DRAIN

P19 Approximate location of existing sanitary sewer lateral to existing pipe after site demolition (by others).

ROOF DRAIN

VALVES

BALL VALVE ———— GATE VALVE GLOBE VALVE

PLUG VALVE CHECK VALVE, SWING(S)
LIFT(L), BALL(B) SQUARE HEAD VALYAISC(D)

VENT THRU ROOF

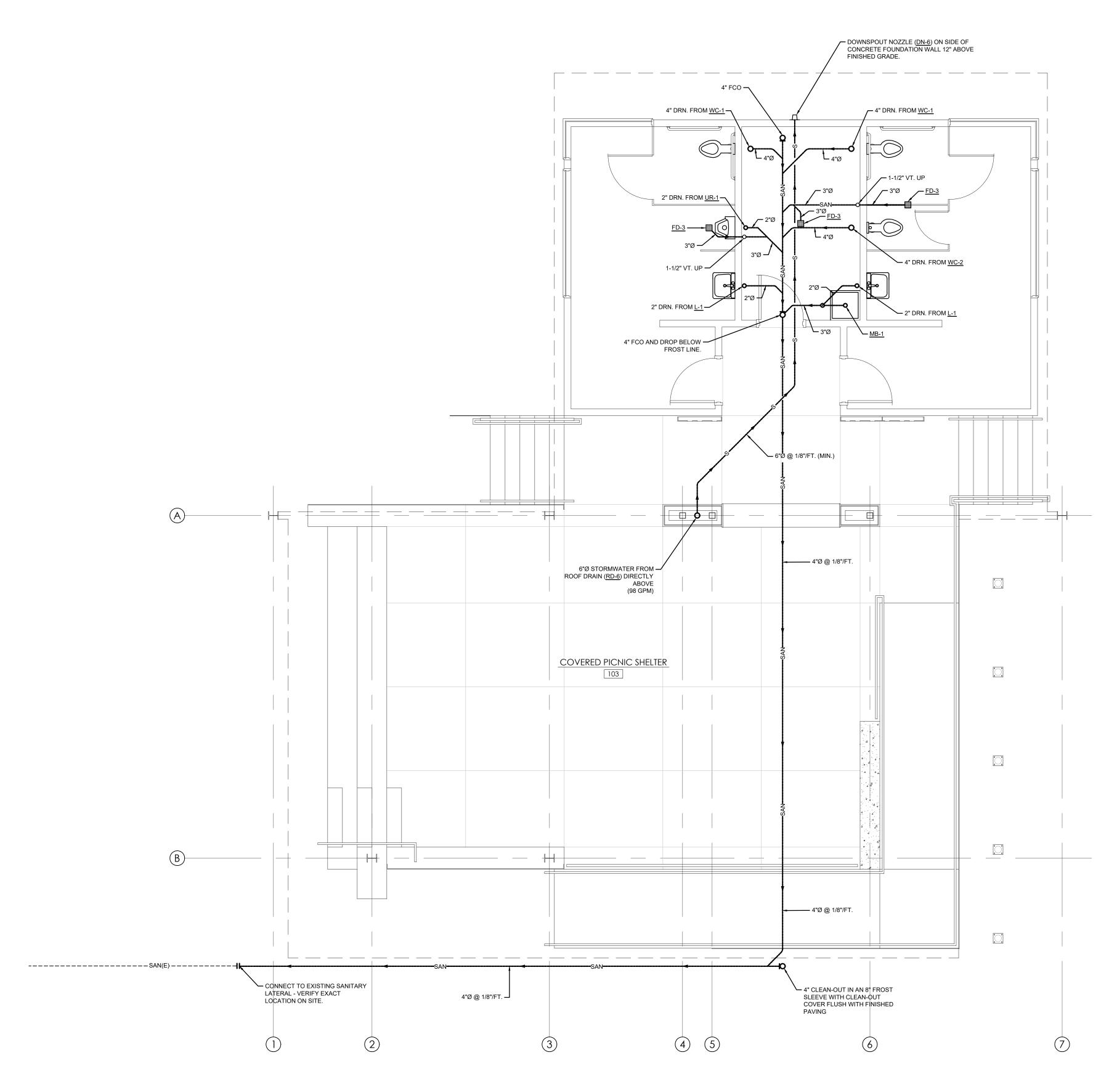
— A — COMPRESSED AIR

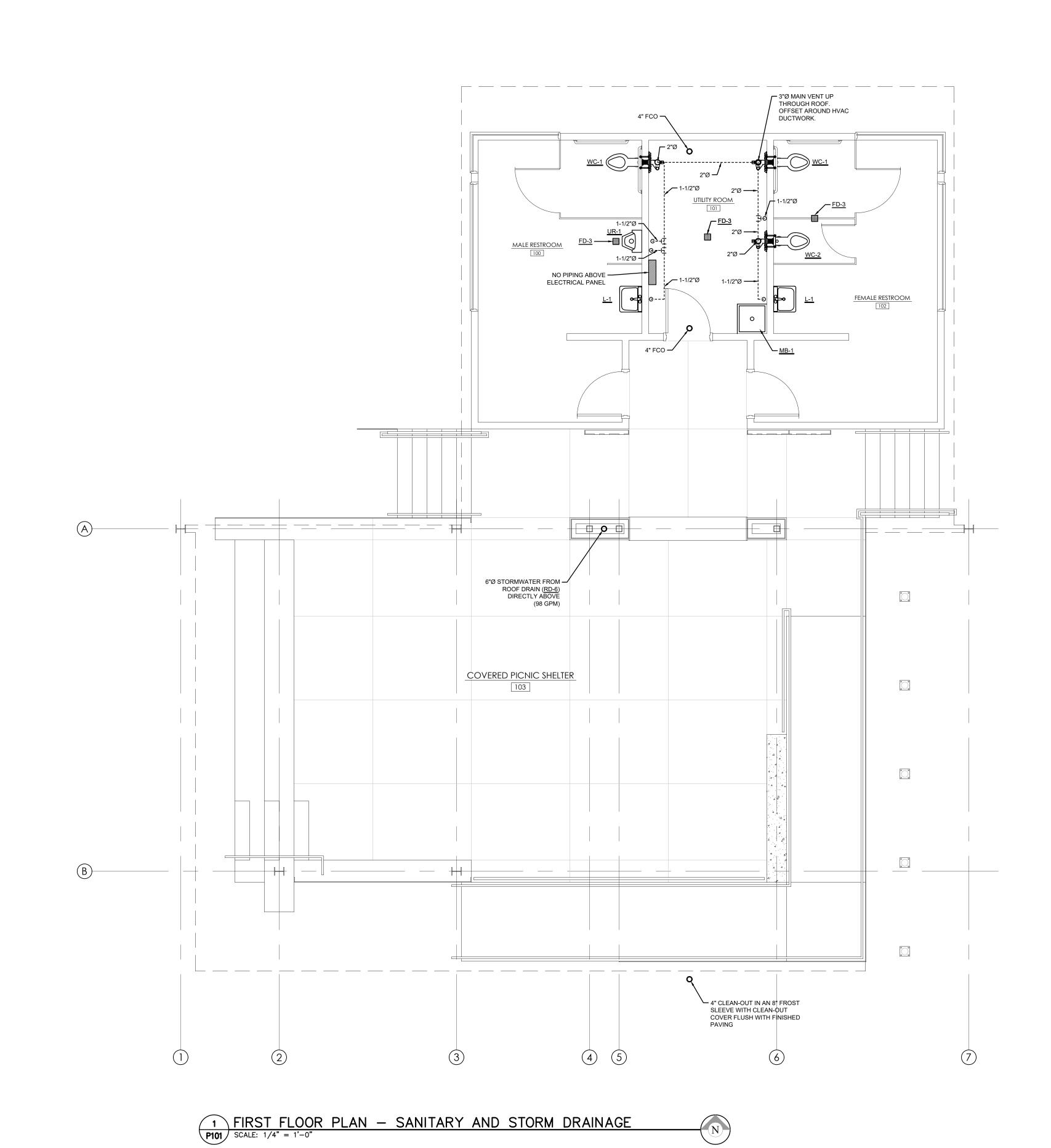
— NG — NATURAL GAS

GENERAL, NON-DESIGNATED PRESSURE REDUCING VALVE SAFETY(S),RELIEF(R)

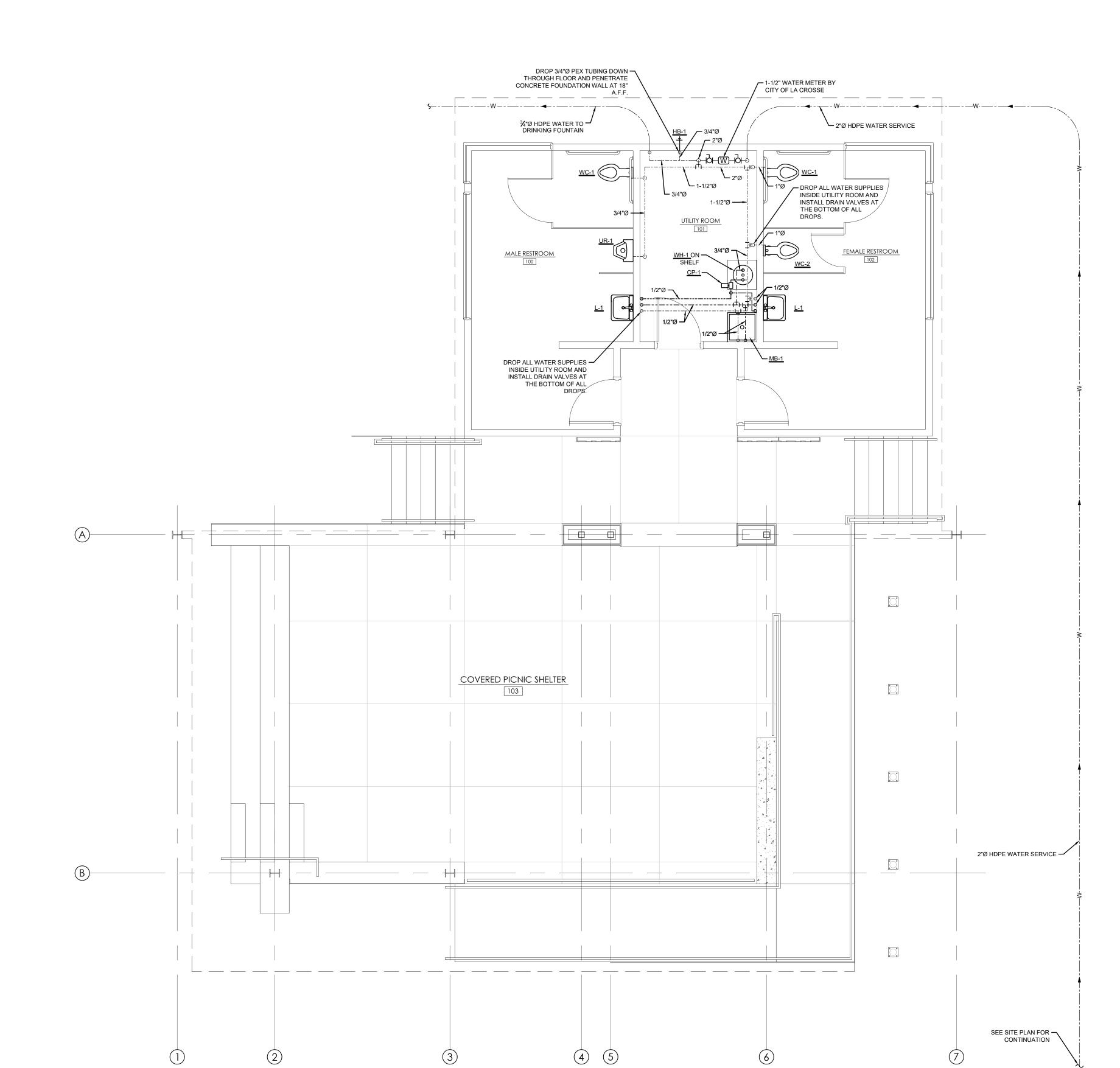
HOSE BIBB DRAIN

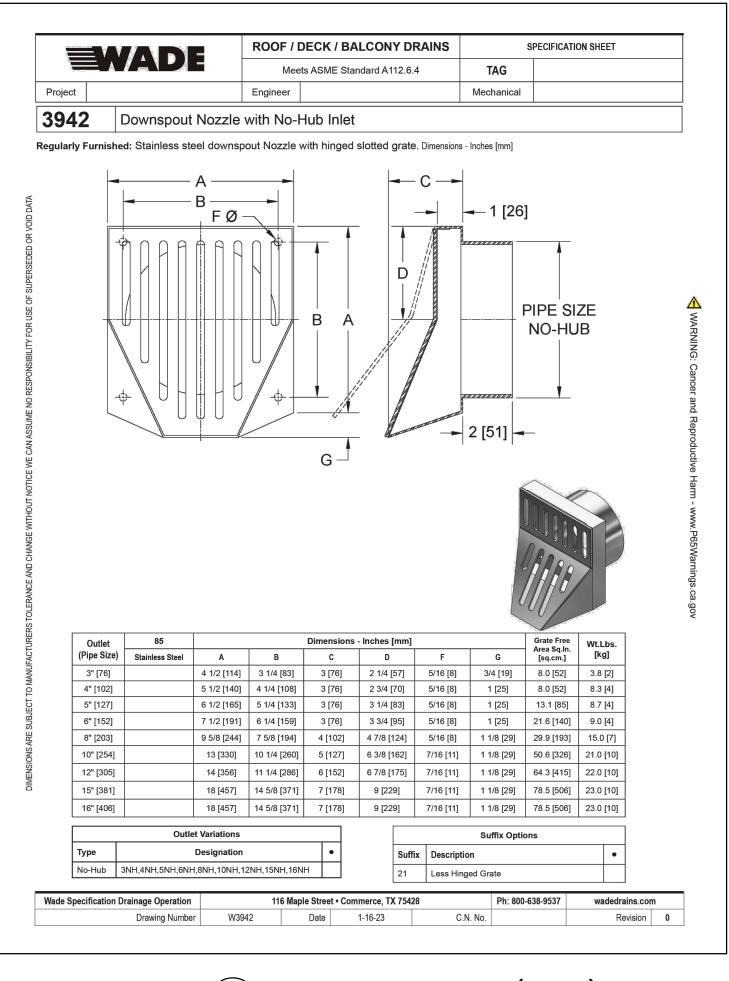
REDUCED PRESSURE ZONE BACKFLOW PREVENTER



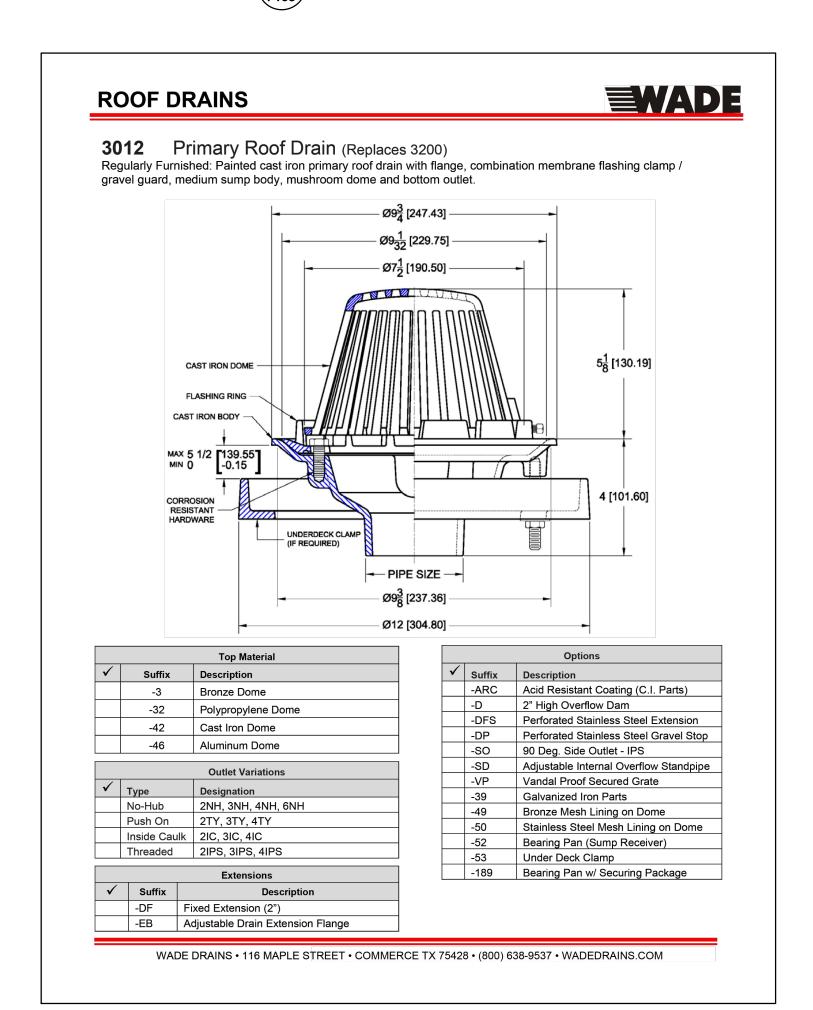


1 FIRST FLOOR PLAN - DOMESTIC WATER
P102 SCALE: 1/4" = 1'-0"

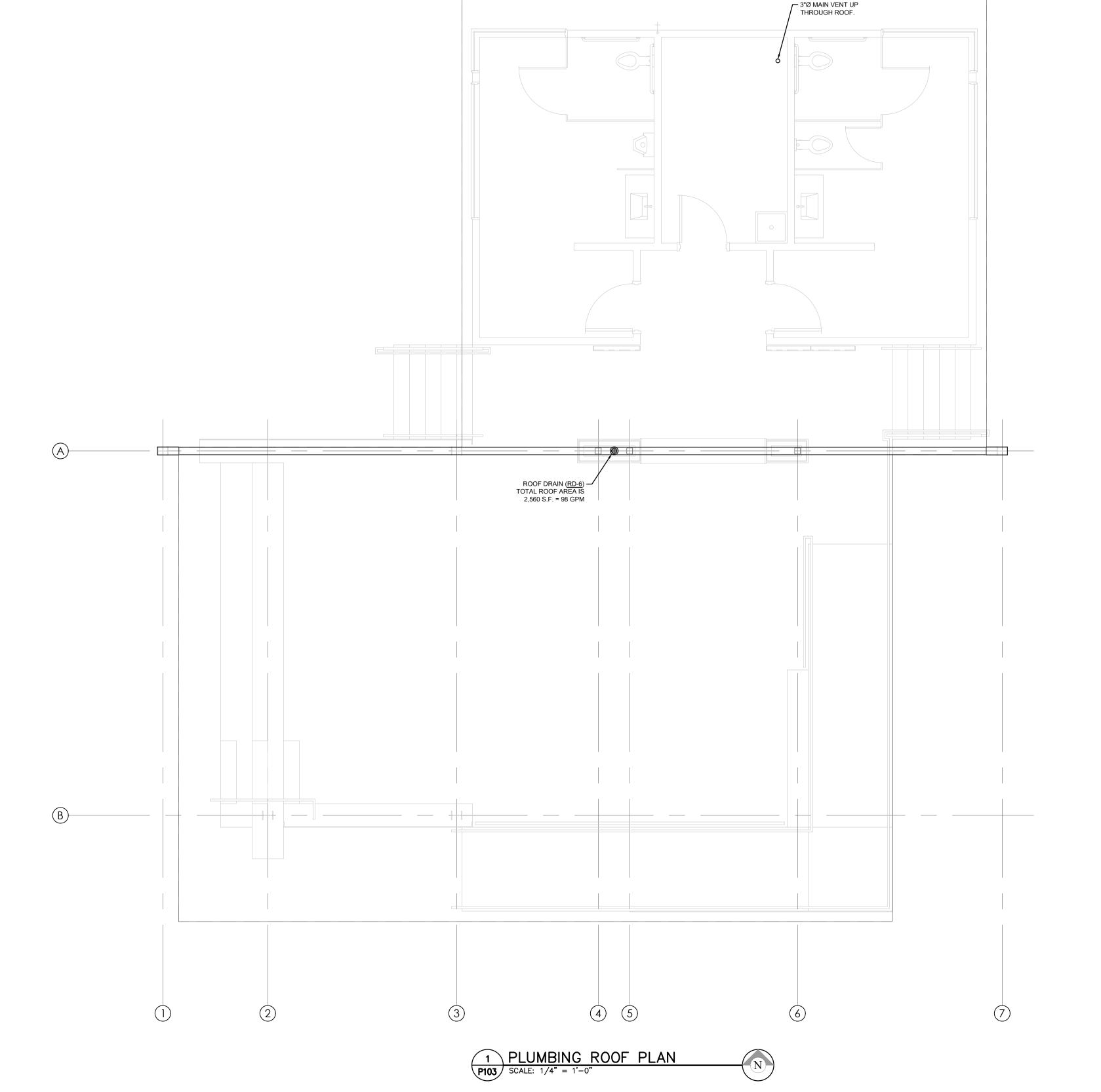




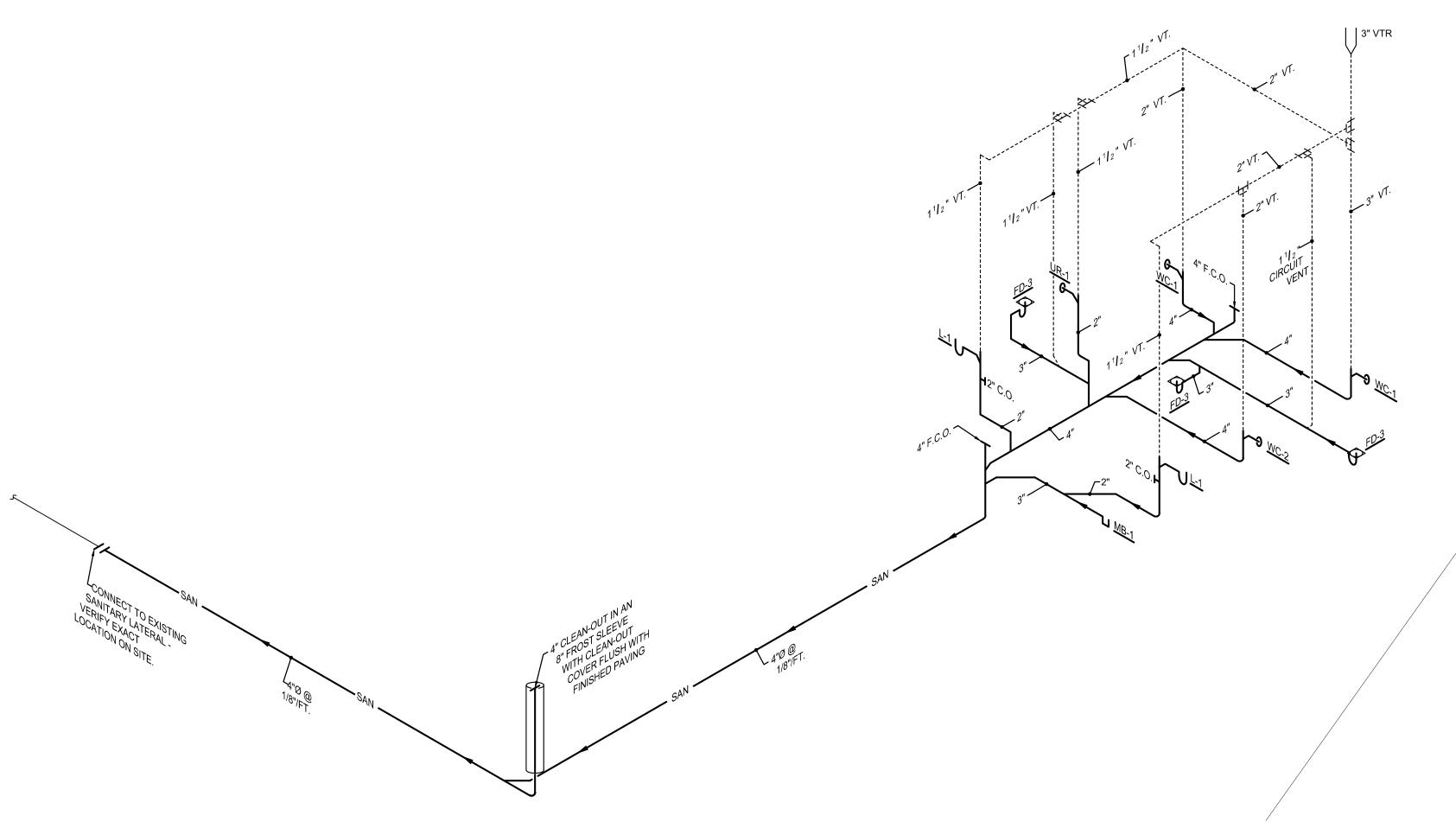












DRAIN, WASTE AND VENT ISOMETRIC
P500 N.T.S.

FITTINGS AND SPECIALTIES

	ITOS AND SI ECIALITES						
MARK	GENERAL DESCRIPTION	FIXTURE		FINISH	CONNECTIONS	ACCESSORIES	REMARKS
			WOODFORD				
	MILD-CLIMATE		B26-AL				
	WALL FAUCET IN BOX	N/A	Fully-recessed wall hydrant with hinged	Anodized	3/4" CW	Non-removable,	
HB-1	WITH BACKFLOW		Anodized Aluminum wall box in Anodized	Aluminum		backflow preventer	Α
	PROTECTION		Aluminum finish and tee keylock. Automatic			with standard	
			draining. Loose key operator. Provide with			hose thread	
			vacuum breaker.			outlet.	

ACCESSORIES:

A. This box will be cast into a concrete foundation wall. Water supply must make a horizontal connection to the wall box.

ROOF DRAINS

MARK	GENERAL DESCRIPTION	ROOF DRAIN	FINISH	INSULATION THICKNESS	OUTLET CONNECTION	ACCESSORIES	REMARKS
		Wade 3942-6NH					
DN-6	DOWNSPOUT NOZZLE (6" OUTLET)	Stainless steel downspout nozzle suitable for terminating storm water piping on a vertical surface, with hinged and slotted grate. Selftrimming.	Stainless Steel		6" No-Hub		
	ROOF DRAIN (6" OUTLET)	Wade 3012-46-6NH-39-53					
RD-6		Cast iron roof drain with reversible deck flange, underdeck clamp, non-adjustable height, in optional galvanized iron construction and aluminum dome strainer.	Cast Iron "Mushroom" Shape (Standard finish and color) Galvanized	N/A (No Roof Insulation)	6" No-Hub	1	

REMARKS:

ACCESSORIES:

Deck Clamp

2. Extension Flange 3. Perforated Extension

4. Perforated Gravel Stop

5. 2 Inch High Dam 6. Flow Control Assembly

7. Standpipe Assembly

DOMESTIC WATER HEATING EQUIPMENT AND CIRCULATING PUMPS

DOME	WESTIC WATER TIEATING EQUITMENT AND CIRCULATING FORM 5																													
	ELECTRIC DOMESTIC WATER HEATERS															HOT W	ATER CIRC	CULATING	PUMP											
MADK	MARK MODEL No.	MODEL No.	MODEL No.	PRIMARY	PRIMARY	PRIMARY	PRIMARY	SECONDARY		PERFORM	MANCE	1st Hour	UNIT SIZI	E OVERALL	TANK	ELECTI	RICAL REQ	UIREMENTS	HEATER	HEATER	MARK	MODEL No.	FLUID		ELECTRICAL		CAL	TYPE	PUMP	PUMP
IVIARK		FUEL	FUEL	INPUT	RECOVERY	ASHRAE 90.1?	Rating	Diameter	Height	STORAGE	F.L.A.	M.O.P.	VOLT/PHASE	ACCESSORIES	REMARKS	IVIAKK		GPM	FT HD	F.L.A.	M.O.P.	VOLT/PHASE		ACCESS.	REMARKS					
WH-1	EJC-10	Electrical	(None)	1.65 KW	8 GPH	No		16"	18.25"	10 Gallons	13.8	20.0	120/1/60	А, В	1, 2, 3	CP-1	UP15-10SU7P TLC	1.5	4.0	<1.0	15	120/1	In-line	C, D	1, 2					

Based on products by A.O. Smith. Equal products are acceptable.

HEATER ACCESSORIES:

A. P&T Relief Valve B. Drain Valve

C. Concentric Vent Kit Termination

HEATER REMARKS:

ACCESSORIES:

1. Provide a "Therm-X-Trol" Model ST-1 Expansion Tank.

2. Provide 6 year warranty on heater.

3. Provide a Holdrite Model #40-SWHP-W Wall-mounted Water Heater Platform.

PUMP ACCESSORIES:

A. Variable Speed Selector Switch B. Adjustable Temperature Sensor maintain water temperature.

Pumps based on products by Grundfos. Equal products will be acceptable.

C. Plug and Cord Electrical Connection D. Unit-mounted Timer

PUMP REMARKS: 1. Pump must run continually during occupied periods to

2. Provide pump with matching set of isolation flanges and integral flow check valve - either in pump housing or in flange assembly.

DRAINS SCHEDULE

	IIIO OOIIEDOL						
MARK	GENERAL	FIXTURE	STRAINER FINISH	TRAP	SEDIMENT	ACCESSORIES	REMARKS
WARK	DESCRIPTION	FIATURE	STRAINER FINISH	IRAF	BUCKET	ACCESSORIES	REWIARKS
		Sioux Chief			Sioux Chief		
		#860-W3P-Z-S			"S"		
FD-3	FLOOR DRAIN		Stainless Steel Strainer & Ring	3" PVC			
10-3	(Concrete Floors)	Large body floor sink, round shape, non-adjustable,	9" Round	"P" trap	ABS Removeable		
		with concrete flange, stainless steel strainer and stainless steel ring. Solvent-weld to PVC pipe.		(Field-fabricated)	Sand Bucket		
		stanness steer ring. Solvent-werd to FVe pipe.					

REMARKS:

PLUMBING	FIXTURES	AND	TRIN

MARK	GENERAL DESCRIPTION	FIXTURE	VALVE / FAUCET	SUPPORT	SUPPLIES	I	COLD WATER SUPPLY SIZE	DRAIN	DRAIN CONNECTION	ACCESSORY No. 1	ACCESSORY No. 2	ACCESSORIES REMARKS
		American Standard "Lucerne" #0356.421	Chicago Model 807-665PSHABCP		Any					Sloan Model 131-ABNF		
L-1	ADA-compliant WALL-HUNG VITREOUS CHINA LAVATORY	Nominal 21" x 18" wall-hung vitreous china lavatory suitable for wall hanger or concealed arm supports, single faucet hole in center of lavatory, integral front overflow, white color.	Single temperature faucet with self-metering push-button operation, standard aerator, chromeplated.	(Wall hanger provided with Lavatory as required.)	Heavy chrome-plated stops with key operators. Flexible chrome-plated copper supplies.	1/2"	1/2"	Chrome-plated grid strainer, 17 gauge chrome-plated tailpiece, chrome- plated brass P-trap and related fittings as required.	1-1/2"	Under-sink thermostatic mixing valve suitable for 3/8" compression inlets and outlet.		A 1, 2
		Mustee Model 63M	Chicago Moel 835-369CP									
MB-1	FLOOR-MOUNTED MOP BASIN	24" x 24" x 10" fiberglass molded one-piece mop basin suitable for mounting directly on floor.	Wall-mounted mop basin faucet suitable for water supplies to be routed exposed up interior wall and NOT concealed in wall cavity, chromeplated finish, standard lever operators.	None Required.	Integral to Faucet	1/2"	1/2"	3" strainer provided with mop basin. Suitable for direct connection to PVC or no-hub cast iron.	3"			B, C, D, E
		American Standard "Washbrook" #6590001.020	Sloan Solis 8186	Any								
UR-1	WALL-HUNG, FLUSH VALVE WASHDOWN URINAL	Wall-hung vitreous china washout urinal with top spud water connection, white color, with beehive strainer suitable for 2" drainage connection.	Sensor-activated, automatic flush valve, fully exposed, top spud mounting, chrome-plated finish, battery-powered operation.	Floor-mounted heavy-duty carrier with mounting accessories to match urinal	N/A		3/4"	Integral to Fixture	2"			1, 2
		American Standard "Afwall" #2257101.020	Sloan Solis 8111	Any								
WC-1	WALL-MOUNT FLUSH VALVE WATER CLOSET	Vitreous China, 1.28 gallon flush, elongated bowl, siphon jet flushing action, top spud connection, white color. (Bemis #1655SSCT open front seat, less cover)	Sensor-activated, automatic flush valve, fully exposed, top spud mounting, chrome-plated finish, battery-powered operation.	Floor-mounted heavy-duty carrier (700 lb. minimum rating) with mounting accessories to match water closet, vertical drain and vertical vent connections.	N/A		1"	Integral to Fixture	4"			1, 2
	_	American Standard "Afwall" #2257101.020	Sloan Solis 8111	Any								
WC-2	WALL-MOUNT FLUSH VALVE WATER CLOSET	Vitreous China, 1.28 gallon flush, elongated bowl, siphon jet flushing action, top spud connection, white color. (Bemis #1655SSCT open front seat, less cover)	Sensor-activated, automatic flush valve, fully exposed, top spud mounting, chrome-plated finish, battery-powered operation.	Floor-mounted heavy-duty carrier (700 lb. minimum rating) with mounting accessories to match water closet, vertical drain and vertical vent connections.	N/A		1"	Integral to Fixture	4"			2

1. Handicap mounting - refer to Architectural Details 2. No equals allowed. Provide exact products as Scheduled. ACCESSORIES:

A. ADA-compliant trap and water supply insulation kit - white vinyl finish.

B. Mop Basin Hose and Hose Holder.

C. Mop Basin Mop Hanger.

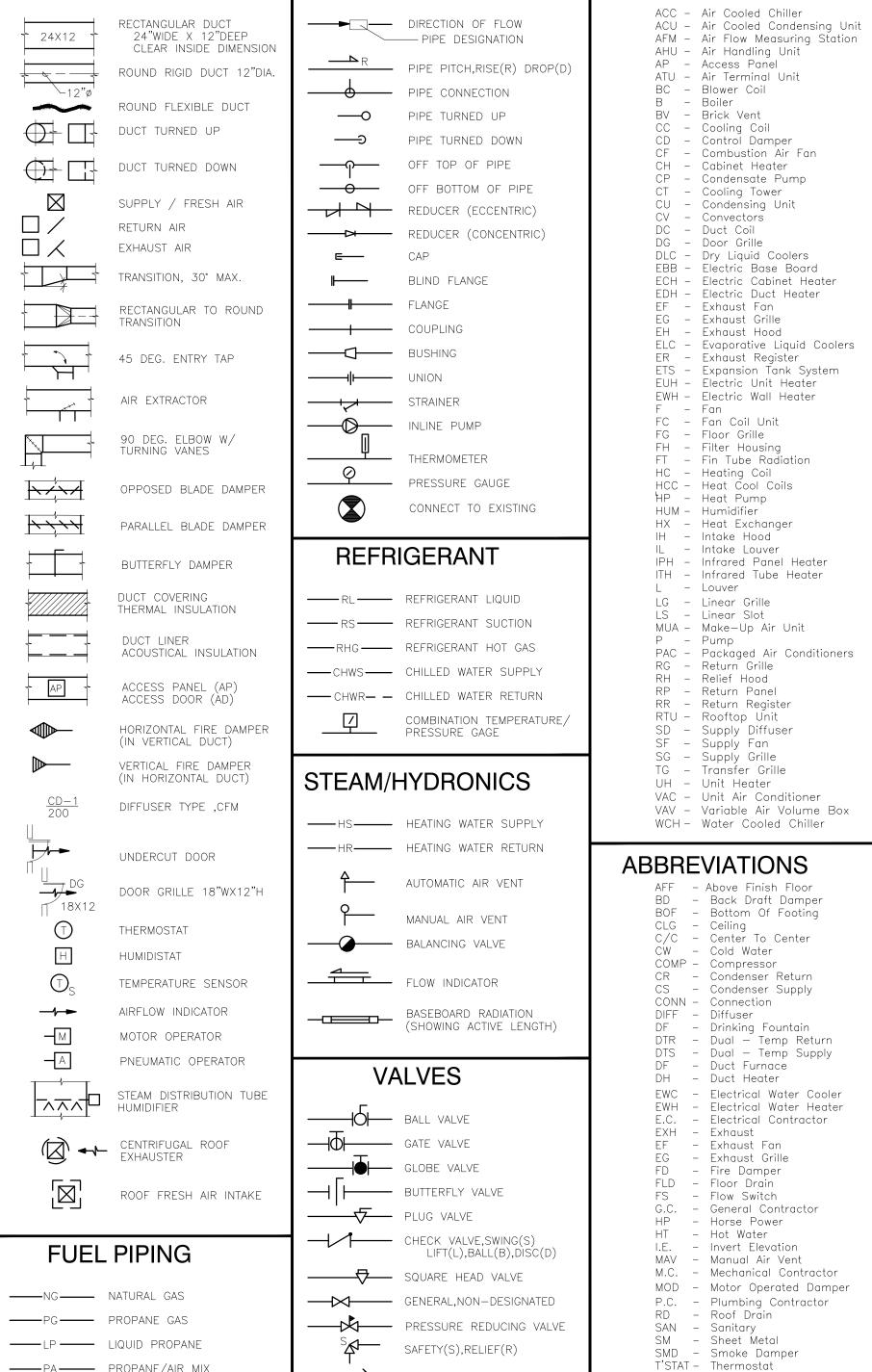
D. Mop Basin Corner Bumper Guards. E. Mop Basin Corner Wall Guards.

UR – Urinal V - Vent

WTR - Water 1

VTR - Vent Thru Roof WH - Wall Hydrant

WC - Water Closet WP - Water Proof



HOSE BIBB DRAIN

REDUCED PRESSURE ZONE BACKFLOW PREVENTER

BACKFLOW PREVENTER

GENERAL PIPING

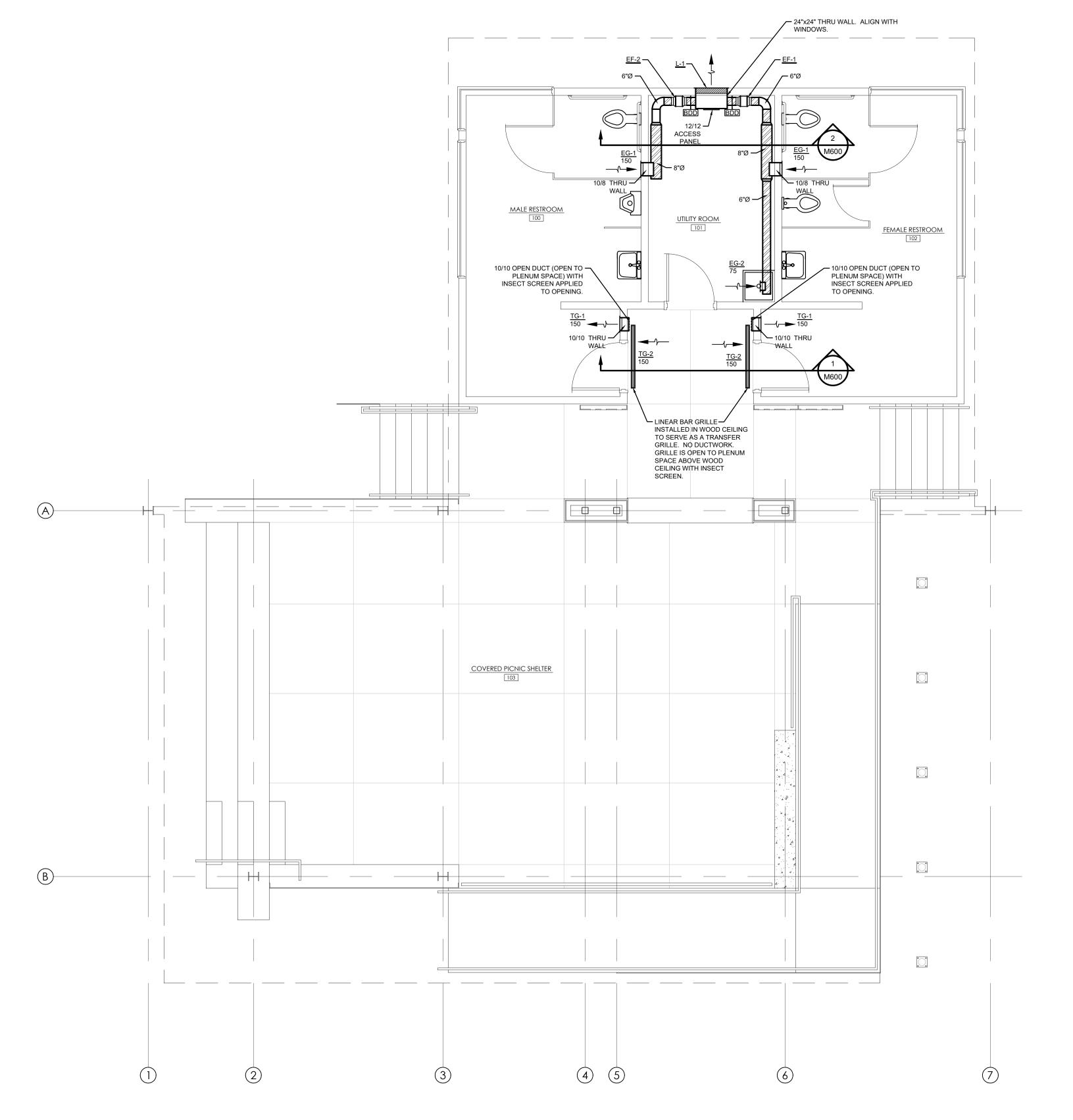
EQUIPMENT

DUCTWORK

FOS— FUEL OIL SUPPLY

----FOR----- FUEL OIL RETURN

── GAS COCK



1 FIRST FLOOR PLAN - DUCTWORK

M100 SCALE: 1/4" = 1'-0"

BAD CITY O

N-LIN	IE FANS													
MARK	MANUFACTURER'S	LOCATION	CFM	TOTAL	INLET CONNECTIONS	OUTLET CONNECTIONS	MAX.	CONTROL/	F	AN	ELEC	TRICAL	ACCESSORIES/	REMARKS
VIANK	MODEL NO.	LOCATION	CFIVI	S.P.	INLET CONNECTIONS	OUTLET CONNECTIONS	SONES	INTERLOCK	RPM	DRIVE	Watts	VOLT/PH	OPTIONS	KEIVIAKKS
EF-1	MFT-150	Utility Room 101	225	0.125"	6" Round	6" Round		Time cl ock	2,033	Direct	55	120/1	3, 4	A, B
EF-2	MFT-150	Utility Room 101	150	0.125"	6" Round	6" Round		Time cl ock	2,033	Direct	55	120/1	3, 4	A, B
·							·				·			

Based on products by Continental Fan. Equal products will be acceptable.

ACCESSORIES/OPTIONS:

1. Integral Backdraft Damper 2. RIS Isolators

3. Mounting Clamps for Rigid Duct

4. Speed Control Switch 5. Firestat

A. Provide a matching variable speed control for balancing use only. B. Provide a spring-loaded backdraft damper.

DUCTWORK CONSTRUCTION STANDARDS

SYSTEM	DUCTWORK INVOLVED		MIN	IMUM D	UCT PRE	SSURE CL	ASS				SEAL	REMARKS
STSTEIVI	DOCTWORK INVOLVED	+4"	+3"	+2"	+1"	+1/2"	-1/2"	-1"	-2"	-3"	CLASS	REWIARKS
	Exhaust Air Ductwork Upstream of Fans						X				Α	
Exhaust Systems	Exhaust Air Ductwork Downstream of Fans					X					Α	

LOUVERS

AAA DIY	MANUFACTURER'S	CERVING	DIM	ENSIONS IN IN	CHES	FREE AREA	ABBUGATION	CENA	MAX	CONCEDUCTION	ACCESSORIES/	DEAA DVC
MARK	MODEL NO.	SERVING	WIDTH	HEIGHT	DEPTH	(SQ. FT.)	APPLICATION	CFM	P.D."	CONSTRUCTION	OPTIONS	REMARKS
L-1	ELF-375-DX	Exhaust Fans EF-1 & EF-2	24"	24"	4"	1.94	Exhaust	375	0.05"	Aluminum	1, 2, 4	Α

Based on products by Ruskin. Equal products will be acceptable.

ACCESSORIES/OPTIONS:

Bird Screen

2. Insect Screen

3. Channel Frame Flange Frame

Extended Sill

6. Filter Rack

7. Subframe and Removeable Core 8. Security Bars

DUCTWORK INSULATION

Air	DUCT SYSTEM		DUCT WR	AP		DUCT	BOARD			DUC	CT LINER		No Insulation	REMARKS
System		1 1/2"	3"	DENSITY	1"	11/2"	2"	DENSITY	1/2"	1"	11/2"	DENSITY	Required.	
	Plenum Behind Louver L-1						х	3.0 PCF						Α
Exhaust Air Systems	Round Ductwork Between Louver Plenum and Exhaust Fans	X		.75 PCF										Α
Exhaust Air Systems	Ductwork on the Building-side of the Exhaust Fans												X	

** Distance in FT at 100 FPM with direction pattern indicated.

A. Ductwork Insulation to have FSK Aluminum Finish.

GRILLES, REGISTERS, AND DIFFUSERS

MARK	MANUFACTURER'S	SERVICE	Si	ize	Perforn	nance		Throw	Tuno	Construction	Color	Volume	Access.	REMARKS
IVIANN	MODEL NO.	SERVICE	DUCT	FACE	PD"	NC	FT **	Direction	Туре	Construction	Color	Damper	Options	KEIVIAKKS
EG-1	9S80-H	Exhaust	10" x 8"	12" x 10"	<.05"	<20			Single Deflection Blades 3/4" o.c. at 0 degree angle	Stainless Steel	Stainless Steel	Yes		
EG-2	9S80-H	Exhaust	6" x 6"	8" x 8"	<.05"	<20			Single Deflection Blades 3/4" o.c. at 0 degree angle	Stainless Steel	Stainless Steel	Yes		
TG-1	9S80-H	Transfer	10" x 10"	12" x 12"	<.05"	<20			Single Deflection Blades 3/4" o.c. at 0 degree angle	Stainless Steel	Stainless Steel	No		
TG-2	E-1600-RG	Transfer	48" x 3"	48" x 3"	<.05"	<20			Linear Bar Grille with 1/8" Blades 1/2" on Center - 0 Degree Deflection, No Frame Flange.	Aluminum	Black	No		А

Based on products by Kreuger. Equal products will be acceptable.

ACCESSORIES/OPTIONS:

1. Square Plenum Box for Lateral Duct Connection.

2. Square-to-round Adapter. 3. Infill Panel for 24"x24" Grid System.

4. Infill Panel for 24"x48" Grid System.

5. 1-hour Radiation Damper.

6. Beveled Drop Face.

7. Channel Frame for 2'x2' Grid System

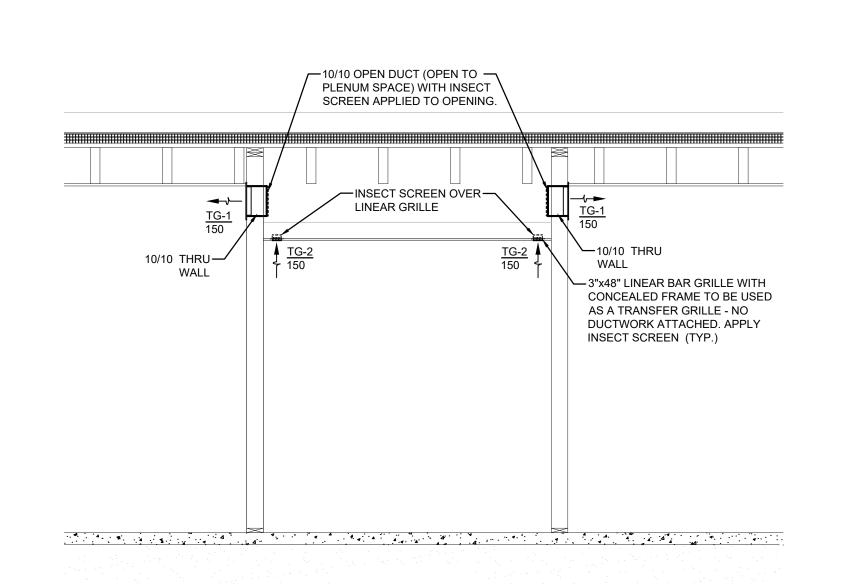
A. Provide linear bar grilles with regressed frame so wood overlaps frame and butts tight to grille frame.

A. Provide louver with baked enamel painted finish - color choice by Architect from

manufacturer's standard colors.

₩8"Ø EXHAUST L-1 BEYOND - ALIGN— THE HEIGHT TO SPRING-LOADED BACKDRAFT MATCH WINDOWS DAMPER (TYP.)

2 ELEVATION VIEW AT EXHAUST FANS
M600 SCALE: 3/8" = 1'-0"

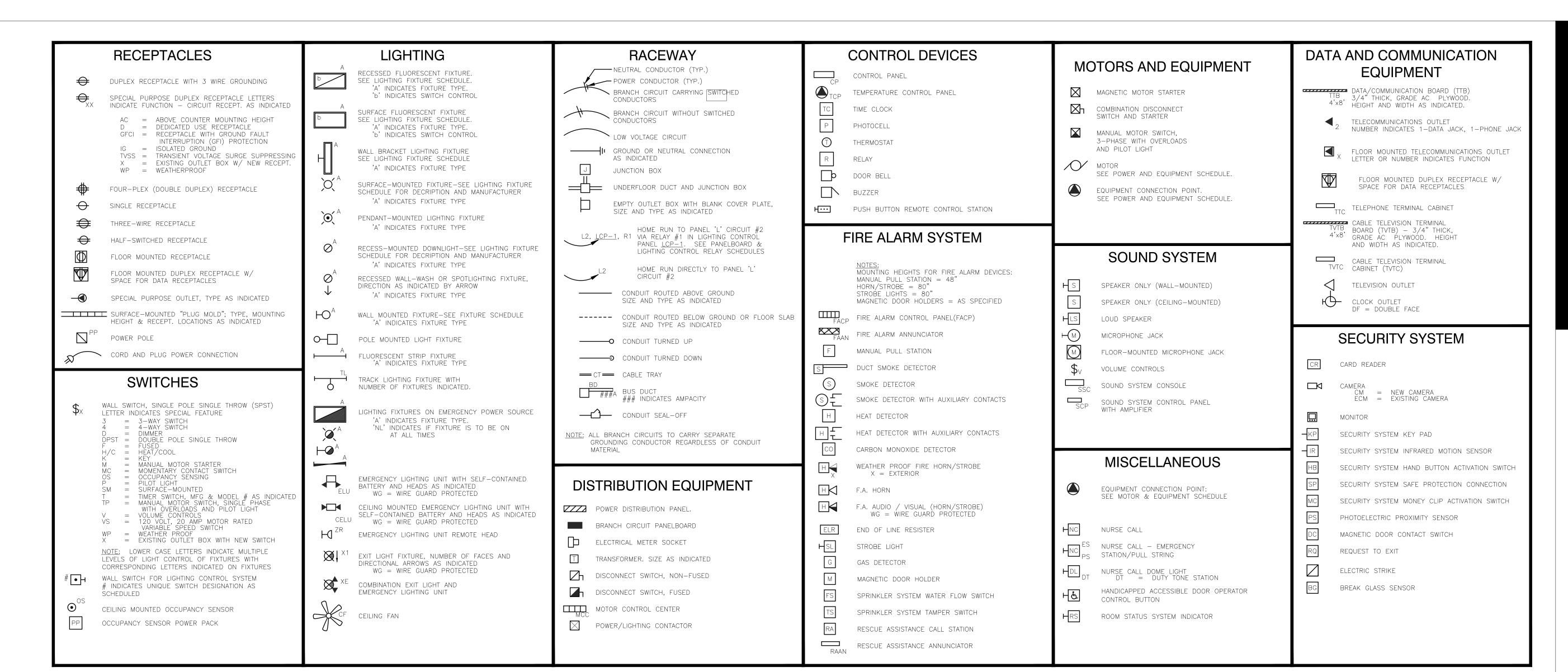


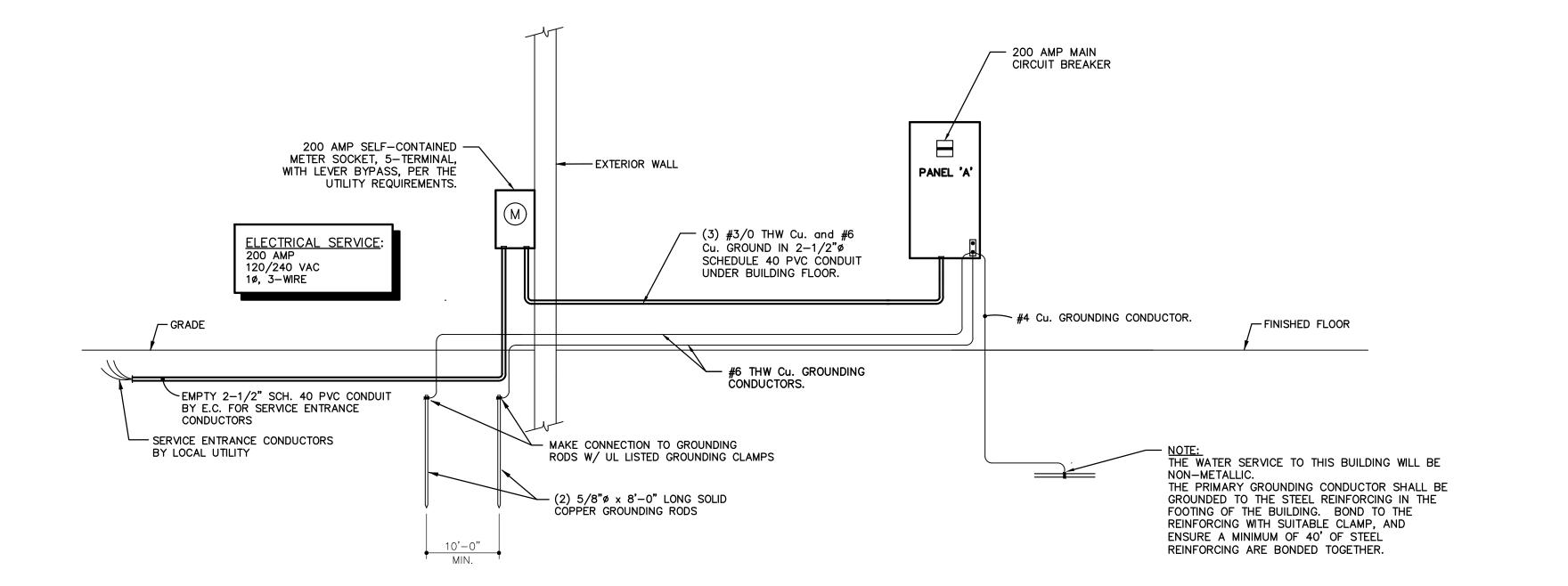




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E7

COVERED PICNIC SHELTER

ELECTRICAL SITE PLAN "KEYED" NOTES:

E1 Two existing underground conduit with multiple lighting circuits are located at this approximate location. The Electrical Contractor shall find these conduit and shall extend these circuits into the New Building.

Conduit #1

3/4 inch Schedule 40 PVC

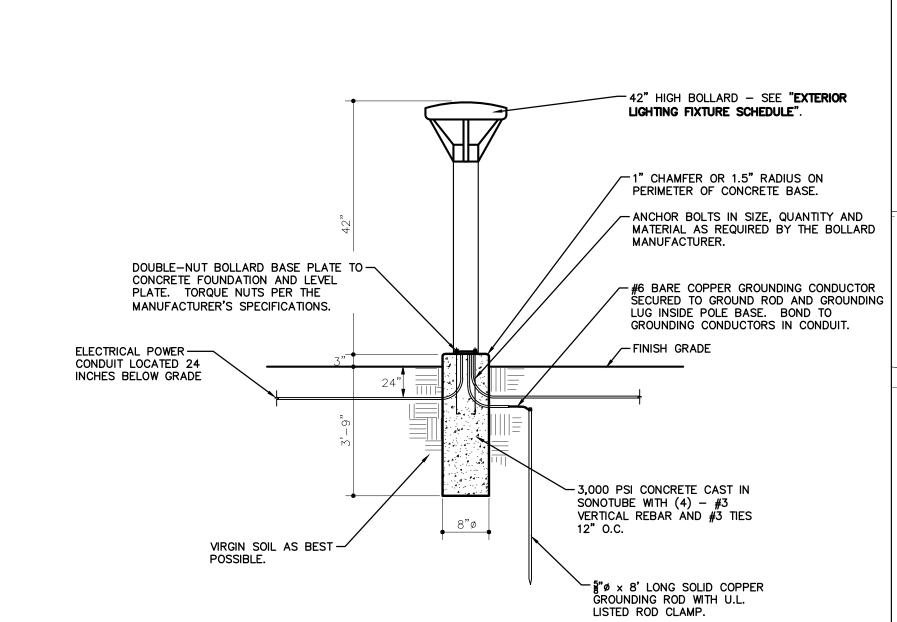
(4) - #10 XHHW-2 & #12 ground serving full-height light poles. One circuit is not currently used.

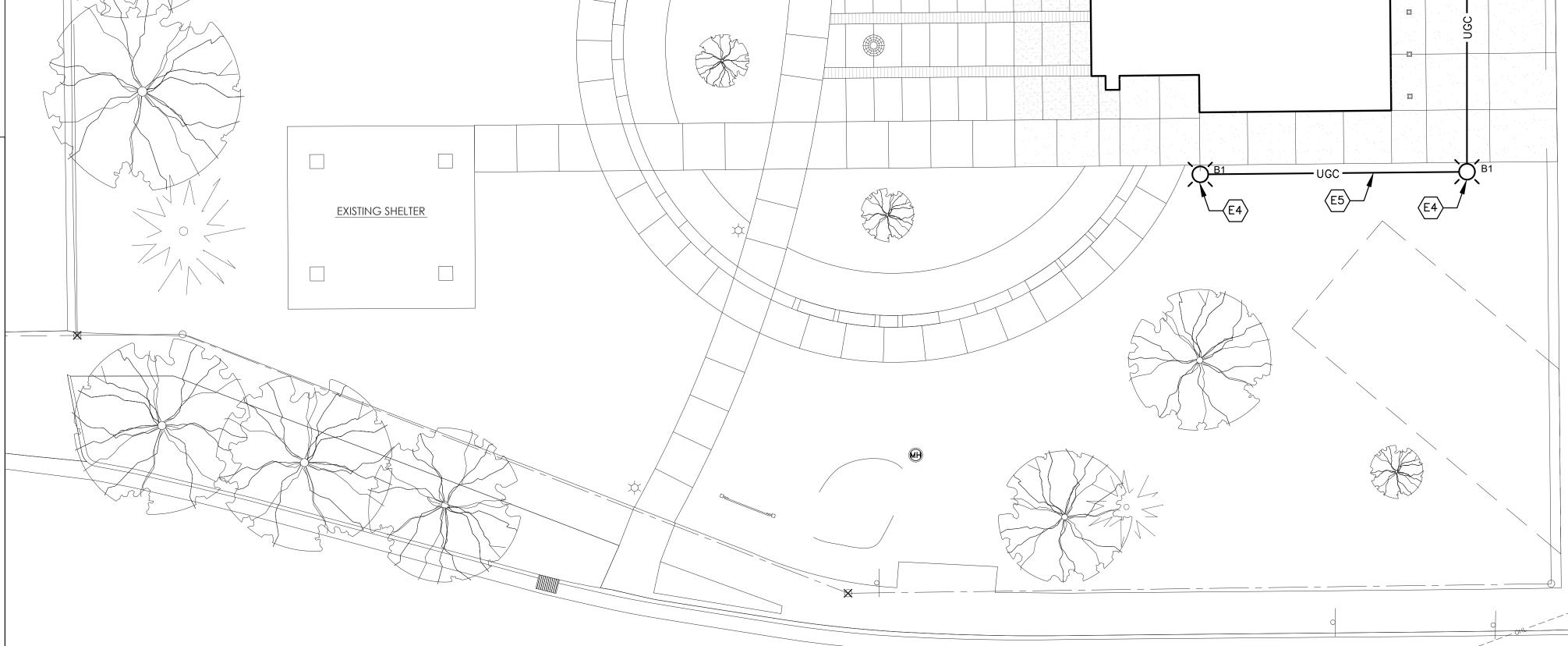
Conduit #2

3/4 inch Schedule 40 PVC

- #12 XHHW-2 & #12 ground serving bollards.

- E2 The Electrical Contractor shall provide and install a ground-mounted junction box to terminate existing and new conduit and to splice existing conductors. (Quazite or similar
- E3 Extend a new 1-1/2 inch Schedule 40 PVC conduit between the new exterior junction box and Panel "A".
- E4 New Bollard lighting fixture to match existing bollards on this Refer to Detail 2/E001 and the "EXTERIOR LIGHTING FIXTURE SCHEDULE".
- E5 (2) #12 XHHW-2 Copper and #12 Copper Ground in 3/4 inch Schedule 40 PVC conduit installed a minimum of 18 inches below grade.
- E6 Power to the new Bollards may be joined with power to the existing Bollards in the new ground-mounted junction box.
- E7 Circuit existing and new Type "B1" Bollards to Circuit A-8 via LCP Relay #3 (single pole).
- E8 Circuit the existing pole lighting fixture to Circuit A-10,12 via LCP
- New electrical service location and service entrance conduit as requested by the local Electric Utility.





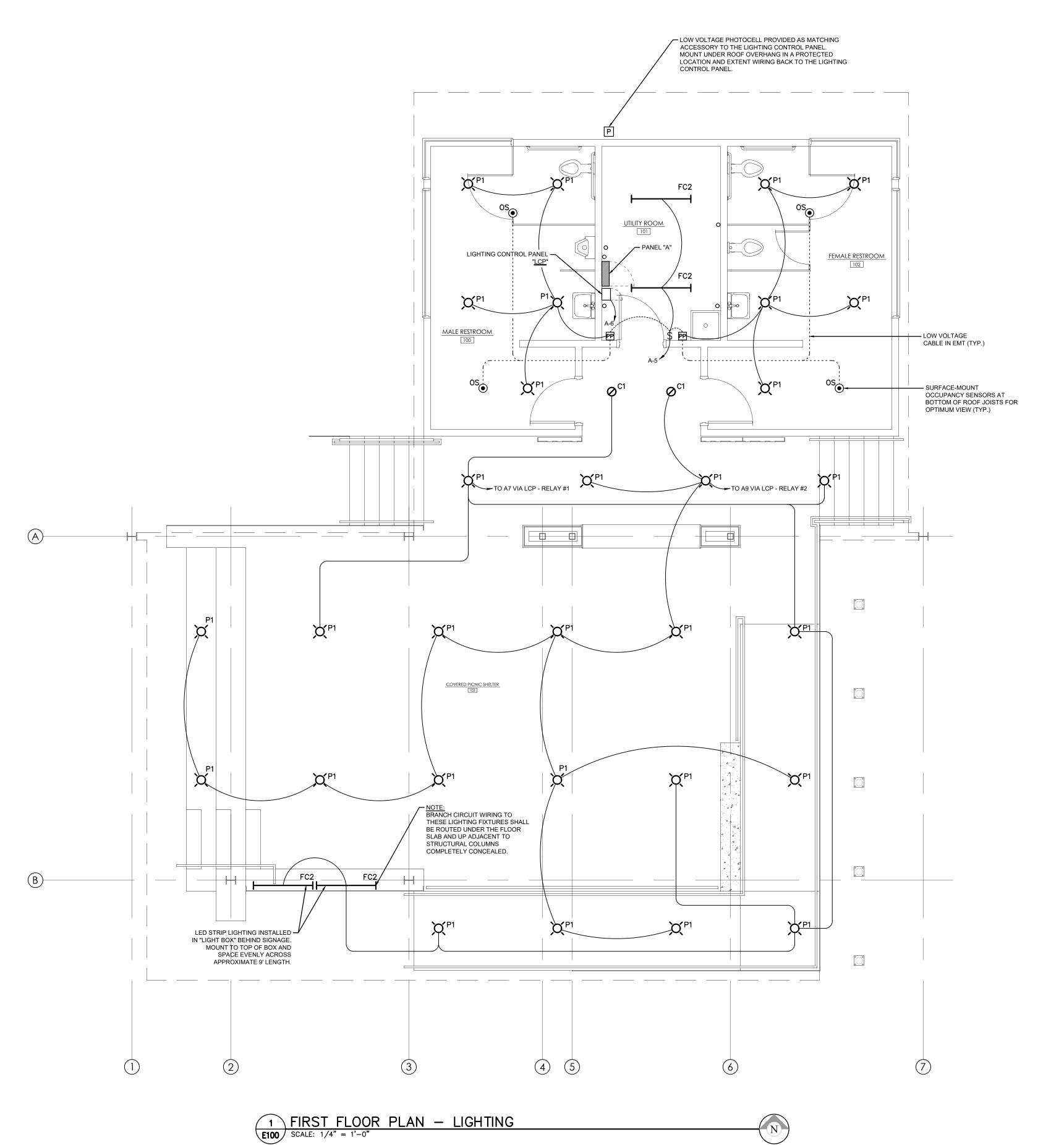
2 "B1" BOLLARD INSTALLATION DETAIL E001 SCALE: NONE

1 ELECTRICAL SITE PLAN - NEW CONSTRUCTION E001 SCALE: 3/32" = 1'-0"



ELECTRICAL LIGHTING PLAN GENERAL NOTES:

A. No exposed conduit will be allowed under the roof deck. The roof deck will be insulated with rigid foam insulation and wood blocking on the top side of the roof deck. All conduit shall be installed on top of the roof deck, cut into the foam insulation, and routed around or through wood blocking. Refer to the Architectural Details.



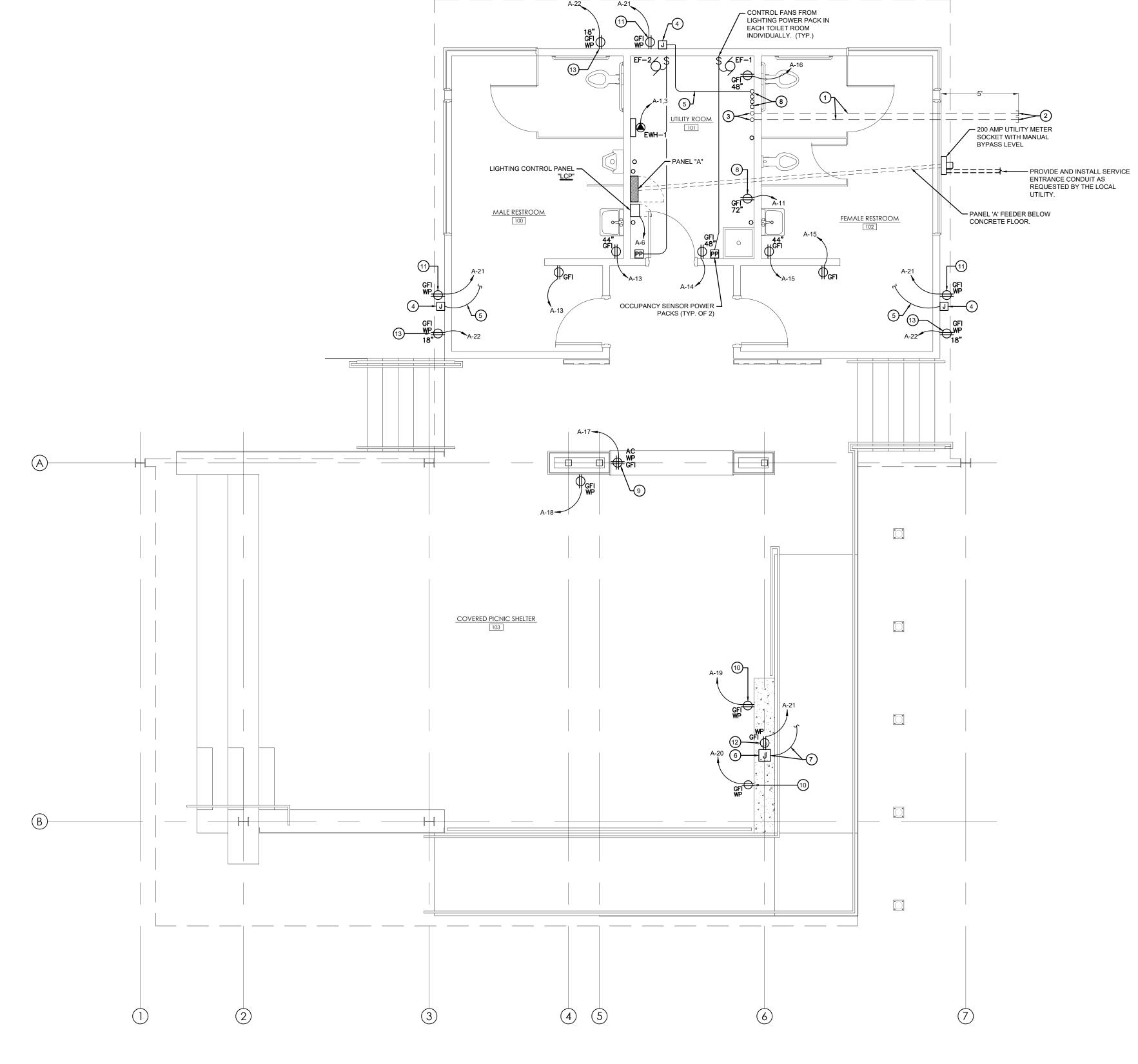
Extend the communications service entrance conduit beyond the

ELECTRICAL POWER PLAN GENERAL NOTES:

A. No exposed conduit will be allowed under the roof deck. The roof deck will be insulated with rigid foam insulation and wood blocking on the top side of the roof deck. All conduit shall be installed on top of the roof deck, cut into the foam insulation, and routed around or through wood blocking. Refer to the Architectural Details.

ELECTRICAL POWER PLAN "KEYED" NOTES:

- The Electrical Contractor shall provide and install two (2) 2 inch Schedule 40 PVC conduit under the floor for communications signal access to the building.
- foundation wall approximately 5 feet and 18 inches below finished grade. Ensure the conduit terminates within a grassy area and not under any permanent paving. Stake the ends of the conduit with wood stakes left 2" below finished grade. Record location of all stakes on the As-Built Drawing Set.
- Rise communications conduit at this approximate location using long sweep elbows suitable for fiber optic cable. Extend conduit 6 inches above finished floor and terminate with plastic push-on bushings.
- The Electrical Contractor shall rough-in a single gang electrical outlet box in the wall in close proximity to the roof structure for a future CCTV camera location. Provide and install weather-proof die-cast metal blank cover plate.
- Home run a 3/4 inch EMT conduit from the future CCTV camera locations to a common location in Utility Room 101. Route as directly as possible above roof deck using long sweep elbows and turns. Pull boxes will be allowed at roof deck penetrations only.
- The Electrical Contractor shall rough-in a single gang, weather-proof electrical outlet box at the top surface of this cast-in-place concrete wall for a future CCTV camera location. Install 3/4 inch, Schedule 40 PVC conduit in the concrete formwork prior to placement of concrete (by others). Provide and install weather-proof die-cast metal blank cover plate.
- Home run 3/4 inch, Schedule 40 PVC conduit under the floor slab back to Utility Room 101 and rise up through the floor adjacent to the communications service entrance conduit. Use all long sweep elbows under the floor.
- Home run all future CCTV conduit to a common location in Utility Room 101 directly above, or directly adjacent to, the communication service entrance conduit. Secure all conduit to the wall in a neat manner. Allow space for future installation of a wall-mounted data equipment cabinet.
- Verify the preferred elevation of this receptacle with the architectural details, or directly with the Architect prior to any rough-in work.
- These receptacles will be installed in the cast-in-place concrete wall at 18 inches above finished floor. Use concrete tight outlet boxes. Extend Schedule 40 PVC conduit in the formwork and under the floor slab directly to Panel A.
- 11 The Electrical Contractor shall provide and install a duplex receptacle immediately adjacent to the future CCTV outlet box to power a camera enclosure heater. Home run to circuit as noted as neatly as possible.
- The Electrical Contractor shall provide and install a duplex receptacle at the top of the cast-in-place concrete adjacent to the outlet box for the future CCTV camera. Route conduit down through the concrete formwork and underfloor back to Panel A.
 - These receptacles will be installed in the cast-in-place concrete foundation wall at 18 inches above finished grade. Use concrete tight outlet boxes. Extend Schedule 40 PVC conduit in the formwork and under the floor slab directly to Panel A.



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GROUP SALS STAND STREET SOUTH LA CRONE, WISCONSIN 54601 PHONE. (600) 782-3016 E-MAILL: Colson (ggalfled-groupus

MOTOR & EQUIPMENT SCHEDULE
INIOTOR & EQUIPINIENT SCHEDULE

EQUIPMENT	EQUIPMENT DESCRIPTION	E	QUIPMENT LOCATION		MOTOR OR EQUIPMENT	REQUIREN	MENTS A	AND CHA	ARACTERI	ISTICS		MOTOR STARTERS			DISC	ONNECT SW	ITCHES			CON' WIRI		Branch C	rcuit or Feeder	r	REMARKS
REFERENCE I.D.	EQUI MENT DESCRIPTION	Room No.	Room Name	Elevation	Motor HP Equipment Watts	VOLT	PH.	FLA	MCA	МОР	Starter Type	Special Control Device Provided By Installed By	Starter Size	Disconnect Type	Provided By	Installed B	y NEMA Enclo.	Fuse Size	Lockable?	MC	EC N.C.	Conductor Size	Conduit Min. Size	Ground Size	REMARKS
CP-1	Domestic Water Circulation Pump	101	Utility Room	6'-0"		120	1	1.0		20.0	None			Receptacle	EC	EC					X 2	12	1/2"	12	4, 5
EF-1	In-Line Exhaust Fan	101	Utility Room	8'-0"	55	120	1	0.5		20.0	None			Manual Toggle	EC	EC	1				X 2	12	1/2"	12	1, 3, 7
EF-2	In-Line Exhaust Fan	101	Utility Room	8'-0"	55	120	1	0.5		20.0	None			Manual Toggle	EC	EC	1				X 2	12	1/2"	12	1, 3, 7
WH-1	Electric Water Heater	101	Utility Room	6'-0"	1,650	120	1	14.0		20.0	None			Receptacle	EC	EC					2	12	1/2"	12	4, 6

1. Make final connection to equipment/motor with flexible metal conduit.

2. Make final connection to equipment/motor with liquid-tight, flexible metal conduit. 3. Provide and install a SPST "Motor-rated", 20 amp toggle switch to serve as a disconnect.

4. Provide and install a NEMA 5-20R dedicated receptacle for this motor/equipment.

5. The E.C. shall install and wire any control devices supplied for this pump. Coordinate with the Plumbing Contractor.

6. The E.C. shall provide and install an appliance-rated cord and plug for this water heater to mate with the receptacle. 7. Exhaust fans will be controlled in parallel with lighting in each Toilet Room via the occupancy sensor power pack.

VOLT!	AGE : 240/120	PHASE:	1	WIRE:	3		MAIN	CAPACITY:		225	AMPERES	
NOU	NTING: Surface-mount								MAIN C	ONNECTION:	200 Amp Main Circuit Breaker	
CCT NO.	ITEM FED	DIST. WATTS	WIRE SIZE	CIRCUIT B	REAKERS POLES	PHASE	CIRCUIT SIZE	BREAKERS POLES	WIRE SIZE	DIST. WATTS	ITEM FED	CCT NO.
3	Electric Wall Heater (EWH-1)	2,000		15	2	A B					TVSS Module	4
5	Toilet Rooms and Utility Room Lighting	628		20	1	Α	15	1		100	Lighting Control Panel (LCP)	6
7	Building Lighting (via LCP Relay #1)	398		20	1	В	20	1		224	New and Existing Type B1 Bollards	8
9	Building Lighting (via LCP Relay #2)	530		20	1	Α	20	2		99	Existing Lighting Poles in the Park	10
11	Water Heater and Circulation Pump Recept.	1,770		20	1	В	20			99	existing lighting roles in the raik	12
13	Toilet Room Receptacles	180		20	1	Α	20	1		180	Utility Room Receptacle	14
15	Toilet Room Receptacles	180		20	1	В	20	1		180	Utility Room Receptacle	16
17	Picnic Area Receptcles	180		20	1	Α	20	1		180	Picnic Area Receptacles	18
19	Picnic Area Receptcles	180		20	1	В	20	1		180	Picnic Area Receptacles	20
21	CCTV Receptacles	720		20	1	Α	20	1		540	Exterior Receptacles	22
23	Spare			20	1	В	20	1			Spare	24
25	Spare			20	1	Α	20	1			Spare	26
27						В						28
29						Α						30
		6,766								1,683		

1,979 va Remarks:

2,700 va 1,770 va

2,000 va

8,449 va

0 va

TOTAL LIGHTING LOAD

TOTAL MOTOR LOAD

TOTAL RECEPTACLE LOAD

ELECTRIC HEATING LOAD

MISCELLANEOUS LOADS

TOTAL CONNECTED LOAD

PANELBOARD SCHEDULE

				MT	ГG	SIZE			MAII	NS								BRANCH C	CIRCUIT B	REAKERS		Breaker	
PANEL NO.	ROOM NO.	ROOM NAME	MANUFACTURER/ TYPE	F	s	w	SERVICE	AMPS	LUGS	BRKR.	SWITCH	SUB FEED LUGS	NO.	Adjustable Circuit Breaker?	GFCI- Protected?	Max. Amp	Set-Point (Amps)	Standard Thermal Trip	Poles	Shunt Trip Solenoid?	Shunt Trip Voltage CIRCUIT NUMBERS or DESIGNATIO	Space (Based on Square D)	Min. AIC
			Square D										1	No	No			200	2	No	Main Circuit Breaker		22.5
			Type NQOD										1								TVSS Module		
			Panelboard				240/120 VAC						1	No	No			20	2	No	See Panelboard Schedule Workshe	et	10.0
			30 Space				SINGLE PHASE						1	No	No			15	2	No	See Panelboard Schedule Workshe	et	10.0
^	101	Utility Room	NEMA 1		X	20" 6	, 3-WIRE	225		X			19	No	No			20	1	No	See Panelboard Schedule Workshe	et	10.0
A	101	Othrty Room	ENCLOSURE		^	20 6		225					1	No	No			15	1	No	See Panelboard Schedule Workshe	et	10.0

1. Provide all panelboards with keyed lock and (4) sets of matching keys.

ELECTRIC HEATING EQUIPMENT

EQUIP	EQUIPMENT DESCRIPTION	EQUIPMENT LOCATION	UNIT CONSTRUCTION	EQUIPI SPECIFIC			ELECTRICA CHARACTERIS			PROVIDED BY MC EC		PROVIDED BY		INSTAL	INSTALLED BY		V	VIRING		ACCESSORIES	REMARKS
NO.				MANUFACTURER	MODEL	WATTS	AMPS	VOLT	PH.			MC	EC	N.C.	SIZE	CONDUIT	GRND				
EWH-1	Electric Wall Heater	Utility 101	Surface-mount Electric Wall Heater	Qmark	CWH3404F	2,000	8.3	240	1		Х		Х	2	12	1/2 "	12	А, В	1		

1. Provide optional surface-mounting kit.

ACCESSORIES:

A. Unit-mounted Disconnect Switch B. Unit-mounted Thermostat C. Wall-mounted Thermostat

D. Wall-mounting Bracket

E. Ceiling-mounting Bracket

EXTERIOR LIGHTING FIXTURE SCHEDULE

LUMINAIRES						NO. OF	LUMINAIRE	LIGHT SOURCE			POLES										
TYPE MANUFACTURER	LUMINAIRE REFERENCE ID	CATALOG NUMBER	DESCRIPTION	I.E.S. Distribution Type	VOLT	LUMINAIRES PER POLE	MOUNTING	PE LIGHT OU	PUT COLOR TEMP.	INPUT WATTAGE	: VELOCITY	I	1			POLE POLE SHAPE LENGTH	MFG.	CATALOG NO.	COLOR	REMARKS	
B1 Invue ((Single Luminaire)	ABB-B2-LED-42-D1-S-BK-8030	42 Inch Bollard with LED light source and integral standard LED driver, black painted finish.	Symmetrical	120		Anchor to concrete base with integral L.E aluminum flange.	.D. 1,276 Lum	ens 3,000 K	32	(Not Applicable)	(Not Applicable)	8 Inch Diameter Concrete Base				(None Required.)		Black	1, 2, 3	

1. No Equal products will be acceptable. This fixture must match other fixtures installed on this property.

2. Fixture shall be UL Listed for wet locations. 3. Driver is recommended to be multi-tap (120, 208, 240, 277).

LICHTING EIXTLIBE SCHEDLILE

TYPE	AAAAUUF ACTUDED	CATALOGANIANDED	EMERGENCY POWER SUPPLY		EMERGENCY POWER SUPPLY MOUNTING		MOUNTING LAMPS				WATTS/	REMARKS					
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	REQUIRED?	VOLT	F S	S * NO. Watt		Watt	Туре	Lumens	Color	CRI (Min.)	Dimmable	FIXTURE	REMARKS	
C1	Fail-Safe	FLDSQ4C-HA-20-D010 F4LC-HA-1-MB	4 Inch square, vandal resistant, recessed lighting fixture with vandal-resistant open trim, medium distribution, self-flanged with matte black reflector finish.		120	x					2,000 (nominal)	3,000К	80	Not Required	23		
FC2	Metalux	4SNX-SL3-LW-UNV-CC83-CD1-U	4" LED Strip light with acrylic lens, field selectable light output and field selectable color temperature.		120	х					6,000 (Nominal)	4,000К	80	Not Required	51		
P1	Gotham	EVO6PC-30/40-AR-BR-LD-WD-MVOLT-GZ10-JBXCC-PCAN-S2	6 Inch LED round cylinder with field-trimable pendant and 5 degree "hang straight" swivel canopy, matte diffuse reflector finish, integral driver, black painted finish.		120	х					4,000 (Nominal)	3,000К	80	Not Required	39	A	

A. Trim pendant as short as possible to allow physical installation between roof rafters. A pendant length no greater than 4 inches is desired.