

WESTREC MARINAS  
FLOATING WASHROOMS  
CHICAGO, IL

ISSUED FOR BID  
JULY 18, 2011

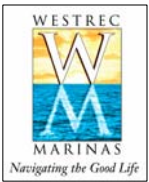
MULLER+MULLER  
architects

700 N SANGAMON  
CHICAGO, IL 60622

T: 312.432.4180  
F: 312.432.4184

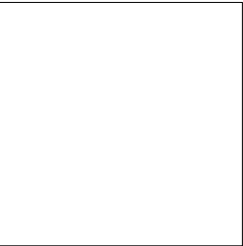
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PROJECT CONTACTS

ARCHITECT:



MULLER & MULLER, LTD.  
700 N. SANGAMON ST.  
CHICAGO, IL 60642  
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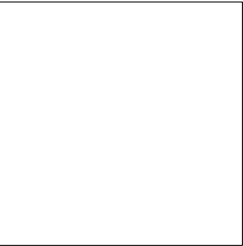
SIGNED

JACOB J. MULLER, AIA  
LICENSE: 010214  
EXPIRES: 11/30/2012

DATE

THE ARCHITECT'S CERTIFICATION IS LIMITED TO THE BUILDING COMPONENT INDICATED ON SHEET A0.1 ONLY. WESTREC WILL COORDINATE AND VERIFY ALL DOCK ACCESSIBILITY REQUIREMENTS FOR THE DOCK (A0.1-A0.5 SHEETS) WITH ADAAG STANDARDS FOR BOATING FACILITIES.

MEP ENGINEER:

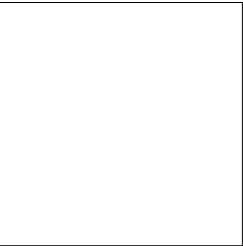


CALOR DESIGN  
2217 N. WESTERN AVE.  
CHICAGO, IL 60647  
312.384.2700

SIGNED

DATE

STRUCTURAL ENGINEER:



SHOREMASTER  
1025 INTERNATIONAL DRIVE  
FERGUS FALLS, MN 56538  
218.998.6672

THE STRUCTURAL ENGINEER'S STAMP IS LIMITED TO BARGE MANUFACTURING AND DESIGN.

SIGNED

DATE

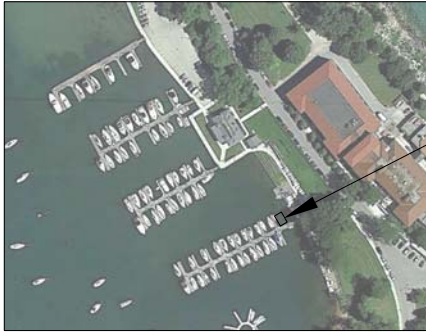
PROJECT VICINITY MAPS



PROJECT SITE:  
**BELMONT HARBOR  
DOCK F - SOUTH SIDE**  
SEE A0.1



PROJECT SITE:  
**DIVERSEY HARBOR  
DOCK G - SOUTH SIDE**  
SEE A0.2



PROJECT SITE:  
**JACKSON OUTER HARBOR  
DOCK D - NORTH SIDE**  
SEE A0.3



PROJECT SITE:  
**BURNHAM HARBOR SOUTH  
DOCK P - NORTH SIDE**  
SEE A0.5

PROJECT SITE:  
**BURNHAM HARBOR NORTH  
DOCK F - NORTH SIDE**  
SEE A0.4

PROJECT DATA

BUILDING AREA (GROSS) 576 SF  
NUMBER OF STORIES 1  
BARGE DIMENSIONS 42' x 26' (L x W)  
ESTIMATED WEIGHT OF BUILDING ± 58,000 LBS  
(GC TO CALCULATE WEIGHT AND SUBMIT TO WESTREC SEE BIDDING NOTE 4.)

APPLICABLE CODES

SEE GENERAL NOTES - PERMIT

DRAWING INDEX

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A0.3	SITE PLAN - BURNHAM HARBOR NORTH
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P4-1	PLUMBING SYMBOLS AND DETAILS

\* INDICATES DRAWINGS FOR REFERENCE ONLY



GENERAL NOTES

GENERAL NOTES- SCOPE

This project generally consists of the construction of a one story 576 square foot building with 6 single-use public restrooms with showers, one laundry unit, and associated mechanical, electrical, and plumbing components. The building is cold-formed metal frame construction built on a floating barge (barge by Westrec) and floated to the location in the harbor indicated on the project vicinity maps.

GENERAL NOTES- PERMIT

- All interior finishes to be at least Class 1 Flame Spread Rating of 0-25.7 (15-12-340).
- All exit door to be keyless in the direction of travel from rooms having a capacity not exceeding 50 persons. 10(113-100-250(e)).
- See sheet A8.1 for partition types.
- All glass in doors to be tempered safety glass.
- Code jurisdiction and permit approval for this project are under the Chicago Department of Transportation. Separate from the CDOT permit, the contractor is required to apply and pay for electrical permit through the Department of Buildings. The contractor shall perform all work in accordance with the latest edition of the City of Chicago Building Code and all applicable county, state, and federal laws, including the Occupational Safety and Health Act (OSHA) and regulations adopted pursuant thereto.
- The general contractor is responsible for applying, procuring, and paying for all permits and inspections required to complete the scope of work unless noted otherwise.
- All gypsum board to be type 'x' unless noted otherwise.

GENERAL NOTES- BIDDING

- The contractor is responsible for contracting with the barge manufacturer selected by Westrec (Company name: Shoremaster Dock Company, contact: Mike Plimmons, phone: 573.216.3655). Contracting will be at the price indicated by Westrec. Contractor will handle all coordination of the barge manufacturer, including construction at Crowley's boatyard of all five barges/washroom buildings simultaneously and transporting them to the individual sites after the first punch list is completed.

\*\*\* Some of the following "general notes - bidding" may be in conflict with the project front end. The following notes supersede the requirements of the front end.

- Upon award of contract, GC will determine the exact weight of the building and coordinate with the barge manufacturer for all adjustments required as part of the GC's base bid. Estimated weights by the design team are approximate only based on 90% drawings.
- Any details, systems, materials, (i.e. architectural, structural, electrical, etc.) which are proposed to be changed or substituted must first be reviewed and approved by the owner prior to the preparation and submittal of shop drawings. The owner reserves the right to reject substitutions. The contractor is responsible for added job costs due to higher substitutions and impacts on other trades.
- Submittals: General Contractor shall submit all materials and layouts to Westrec for review and approval, including catalog cuts with product data, samples, design data, test reports, and shop drawings for all materials. For items specified as 'selected by owner', the general contractor is to obtain product information from the owner and submit to Westrec for confirmation. The General Contractor shall coordinate a preliminary meeting with Westrec and door manufacturer prior to submission of any exterior door shop drawings. All submittals, with the exception of samples shall be submitted electronically in .pdf format via email unless directed otherwise by Westrec.
- The contractor is to provide record as-built drawings with any changes to the drawings and detailed information for MEP systems. Provide (3) copies of as-builts and (3) CD's after architect's approval of as-builts (architect, Westrec, Chicago Park District).
- General Contractor to provide warranty for all work and material from the date of substantial completion through September of 2012.
- General contractor to provide one final cleaning at the direction of the tenant owner.
- Temporary Utilities at boat yard will be paid for by GC.
- Prior to submission of bid, General Contractor shall visit the site and be knowledgeable of all conditions thereon, he or she shall investigate, verify, and be responsible for all conditions of the project and shall notify the owner of any conditions requiring modification or clarification before proceeding with the work. The contractor is responsible for all means, methods, and techniques to implement the design as part of their base bid.
- Notes appear on various sheets for different systems and materials. Notes on any one sheet are to be applied to related drawings and details. When there are discrepancies between drawings and specifications, consult the owner during the bid period for any clarifications needed prior to submission of bid. If the owner is not consulted during the bid period, the more stringent requirement shall apply.

5	07/18/2011	ISSUE FOR BID
4	07/01/2011	100% DESIGN SUBMITTAL
3	06/06/2011	90% DESIGN / ISSUE FOR PERMIT
2	02/04/2011	30% DESIGN SUBMITTAL
1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT

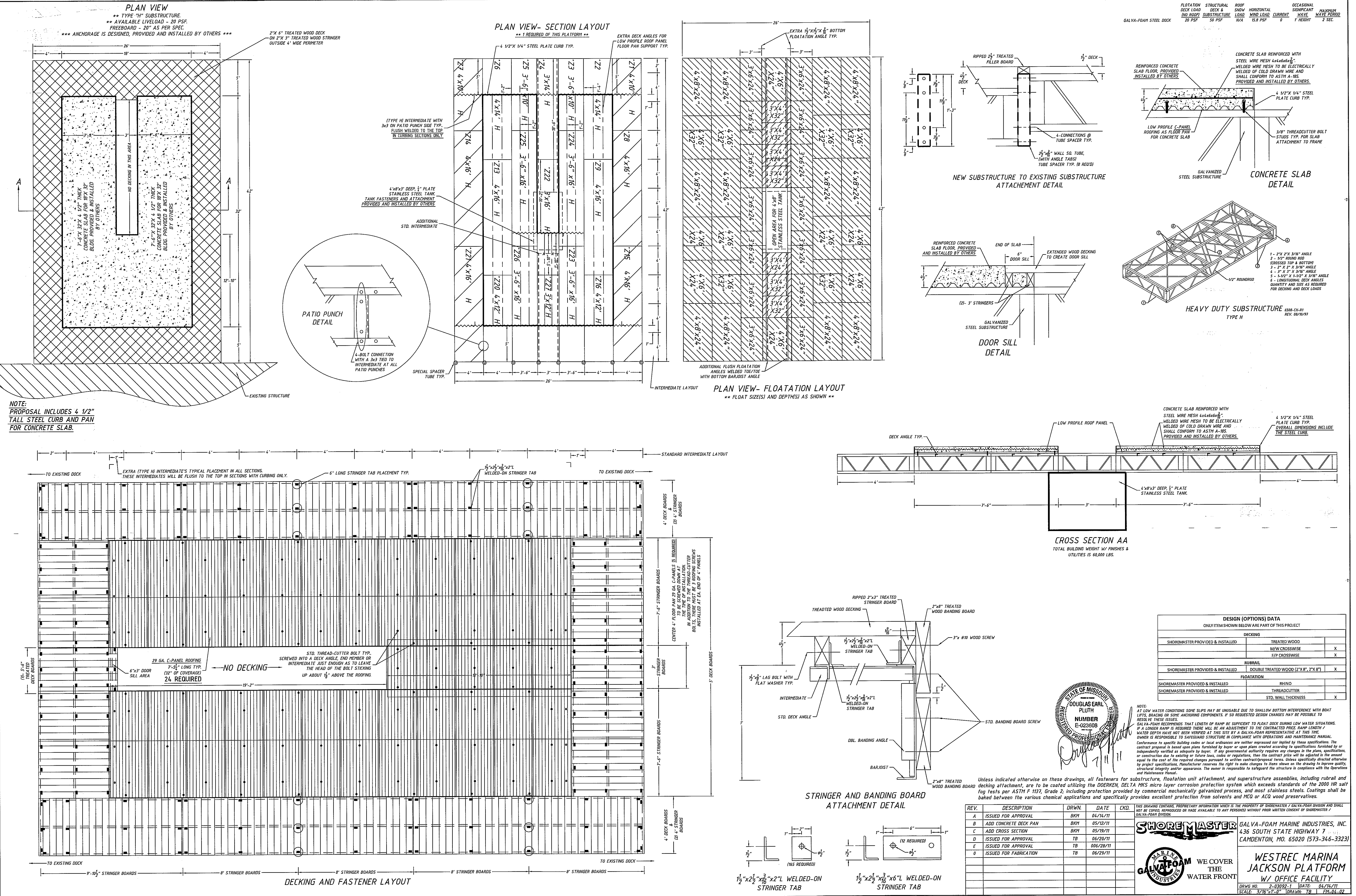
**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**COVER SHEET**

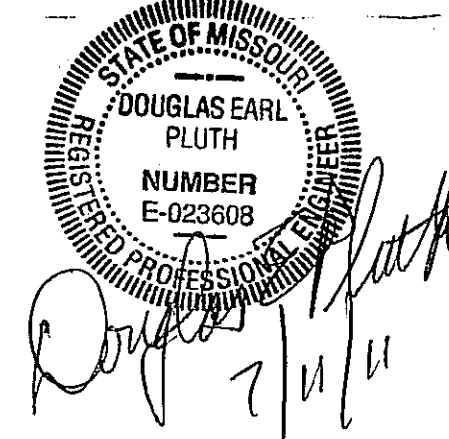
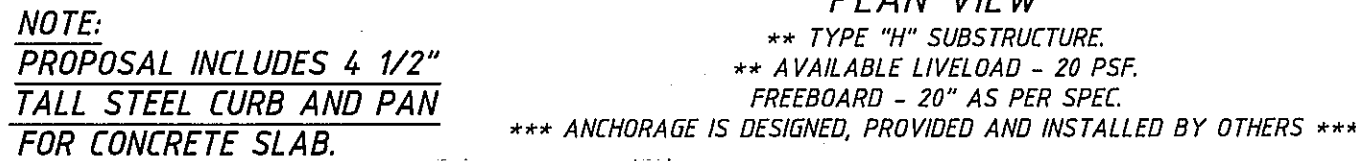
DRAWN: NAP	SHEET NO. <b>G0.0</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	





Q:\drawings\201106 June106 Fabrication\F2-03092-1 WESTREC MARINA JACKSON PLATFORM.dwg, FAB. PLAN 24x36, 7/8/2011 4:22:01 PM, FHL-04-02





DESIGN (OPTION)S DATA			
ONLY ITEM SHOWN BELOW ARE PART OF THIS PROJECT			
<b>DECKING</b>			
SHOREMASTER PROVIDED & INSTALLED	TREATED WOOD		
	M/W CROSSWISE		X
	F/P CROSSWISE		X
<b>RUBRALL</b>			
SHOREMASTER PROVIDED & INSTALLED	DOUBLE TREATED WOOD (2"x8", 2"x8")		X
<b>FLOATATION</b>			
SHOREMASTER PROVIDED & INSTALLED	RHINO		
SHOREMASTER PROVIDED & INSTALLED	THREADCUTTER		
	STD. WALL THICKNESS		X

**NOTE:**

THE FOLLOWING CONDITIONS AND SLIPS MAY BE UNSURE DUE TO SHALLOW BOTTOM INTERFERENCE WITH BOAT TRAILS, BRACING OR SOME ANCHORING COMPONENTS. IF (OR REQUESTED) DESIGN CHANGES MAY BE POSSIBLE TO RESOLVE THESE ISSUES.

IF A LONGER RAMP IS REQUIRED THERE WILL BE AN ADJUSTMENT TO THE CONTRACTED PUCK RAMP LENGTH / WATER DEPTH. THIS RAMP WILL BE LOCATED AT THIS SITE BY A GALEX REPRESENTATIVE AT THE SPECIFIC TIME OF THE REQUESTED SAFEGUARDING OPERATION. SEE THE GALEX OPERATIONS MANUAL.

Cautions to specific building codes or local ordinances are neither expressed nor implied by this specification. The contractor shall ensure compliance with all applicable laws, regulations, codes, standards, and specifications independently verified as adequate by future law. If any governmental authority requires any changes in the plans, specification or construction due to existing or future laws, codes or regulations, then the contract price will be adjusted to the amount required to comply with such requirements. It is the responsibility of the contractor to obtain all permits and approvals from project jurisdictional. Manufacturer reserves the right to make changes to items shown on the drawing to improve quality and safety of the structure. The owner is responsible to safeguard the structure in compliance with the Operation and Maintenance Manual.

Unless indicated otherwise on these drawings, all fasteners for substructure, flotation unit attachment, and superstructure assemblies, including rubrail and decking attachment, are to be coated utilizing the DOERKEN, DELTA MKS micro layer corrosion protection system which exceeds standards of the 2000 HR salt fog tests per ASTM F 1137, Grade 2; including protection provided by commercial mechanically galvanized process, and most stainless steels. Coatings shall be baked between the various chemical applications and specifically provides excellent protection from solvents and MQO or ACQ wood preservatives.

REV.	DESCRIPTION	DRWN.	DATE	CHKD.
A	ISSUED FOR APPROVAL	BKM	04/14/11	
B	ADD CONCRETE DECK PAN	BKM	05/12/11	
C	ADD CROSS SECTION	BKM	05/19/11	
D	ISSUED FOR APPROVAL	TB	06/20/11	
E	ISSUED FOR APPROVAL	TB	06/28/11	
F	ISSUED FOR FABRICATION	TB	06/29/11	

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**SHOREMASTER**

GALVA-FOAM MARINE INDUSTRIES, INC.  
436 SOUTH STATE HIGHWAY 7  
CAMDENTON, MD. 20520 (573-346-3322)

**GALVA-FOAM MARINE INDUSTRIES**

WE COVER THE WATER FRONT

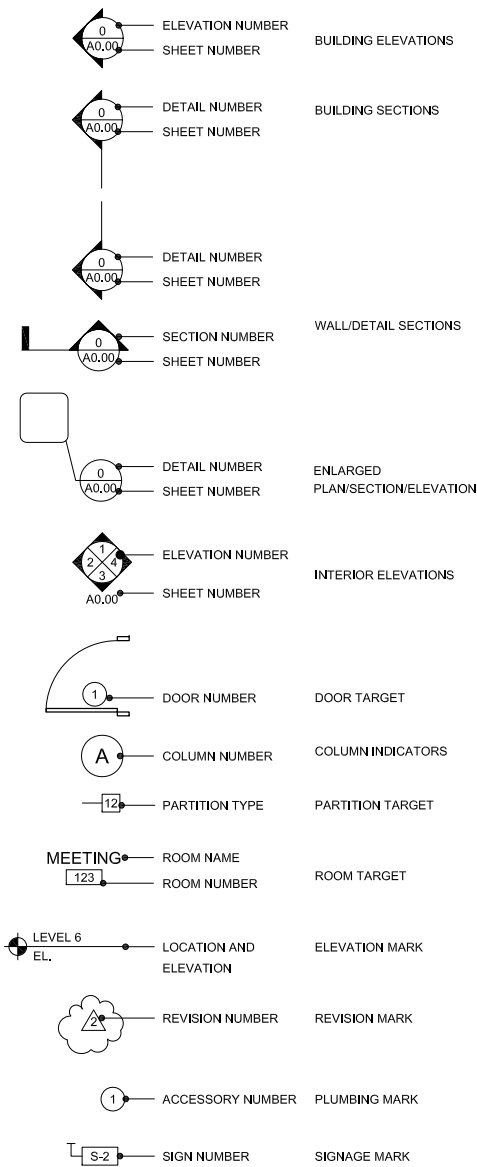
**WESTREC MARINA**  
**PLATFORMS-4 REQ'D**  
**TYPICAL FACILITY**

DRWS NO. 2-03092 DATE: 04/14/11  
2-03092-1 2-03092-2 2-03092-3 2-03092-4 2-03092-5 2-03092-6 2-03092-7 2-03092-8 2-03092-9 2-03092-10 2-03092-11 2-03092-12 2-03092-13 2-03092-14 2-03092-15 2-03092-16 2-03092-17 2-03092-18 2-03092-19 2-03092-20 2-03092-21 2-03092-22 2-03092-23 2-03092-24 2-03092-25 2-03092-26 2-03092-27 2-03092-28 2-03092-29 2-03092-30 2-03092-31 2-03092-32 2-03092-33 2-03092-34 2-03092-35 2-03092-36 2-03092-37 2-03092-38 2-03092-39 2-03092-40 2-03092-41 2-03092-42 2-03092-43 2-03092-44 2-03092-45 2-03092-46 2-03092-47 2-03092-48 2-03092-49 2-03092-50 2-03092-51 2-03092-52 2-03092-53 2-03092-54 2-03092-55 2-03092-56 2-03092-57 2-03092-58 2-03092-59 2-03092-60 2-03092-61 2-03092-62 2-03092-63 2-03092-64 2-03092-65 2-03092-66 2-03092-67 2-03092-68 2-03092-69 2-03092-70 2-03092-71 2-03092-72 2-03092-73 2-03092-74 2-03092-75 2-03092-76 2-03092-77 2-03092-78 2-03092-79 2-03092-80 2-03092-81 2-03092-82 2-03092-83 2-03092-84 2-03092-85 2-03092-86 2-03092-87 2-03092-88 2-03092-89 2-03092-90 2-03092-91 2-03092-92 2-03092-93 2-03092-94 2-03092-95 2-03092-96 2-03092-97 2-03092-98 2-03092-99 2-03092-100 2-03092-101 2-03092-102 2-03092-103 2-03092-104 2-03092-105 2-03092-106 2-03092-107 2-03092-108 2-03092-109 2-03092-110 2-03092-111 2-03092-112 2-03092-113 2-03092-114 2-03092-115 2-03092-116 2-03092-117 2-03092-118 2-03092-119 2-03092-120 2-03092-121 2-03092-122 2-03092-123 2-03092-124 2-03092-125 2-03092-126 2-03092-127 2-03092-128 2-03092-129 2-03092-130 2-03092-131 2-03092-132 2-03092-133 2-03092-134 2-03092-135 2-03092-136 2-03092-137 2-03092-138 2-03092-139 2-03092-140 2-03092-141 2-03092-142 2-03092-143 2-03092-144 2-03092-145 2-03092-146 2-03092-147 2-03092-148 2-03092-149 2-03092-150 2-03092-151 2-03092-152 2-03092-153 2-03092-154 2-03092-155 2-03092-156 2-03092-157 2-03092-158 2-03092-159 2-03092-160 2-03092-161 2-03092-162 2-03092-163 2-03092-164 2-03092-165 2-03092-166 2-03092-167 2-03092-168 2-03092-169 2-03092-170 2-03092-171 2-03092-172 2-03092-173 2-03092-174 2-03092-175 2-03092-176 2-03092-177 2-03092-178 2-03092-179 2-03092-180 2-03092-181 2-03092-182 2-03092-183 2-03092-184 2-03092-185 2-03092-186 2-03092-187 2-03092-188 2-03092-189 2-03092-190 2-03092-191 2-03092-192 2-03092-193 2-03092-194 2-03092-195 2-03092-196 2-03092-197 2-03092-198 2-03092-199 2-03092-200 2-03092-201 2-03092-202 2-03092-203 2-03092-204 2-03092-205 2-03092-206 2-03092-207 2-03092-208 2-03092-209 2-03092-210 2-03092-211 2-03092-212 2-03092-213 2-03092-214 2-03092-215 2-03092-216 2-03092-217 2-03092-218 2-03092-219 2-03092-220 2-03092-221 2-03092-222 2-03092-223 2-03092-224 2-03092-225 2-03092-226 2-03092-227 2-03092-228 2-03092-229 2-03092-230 2-03092-231 2-03092-232 2-03092-233 2-03092-234 2-03092-235 2-03092-236 2-03092-237 2-03092-238 2-03092-239 2-03092-240 2-03092-241 2-03092-242 2-03092-243 2-03092-244 2-03092-245 2-03092-246 2-03092-247 2-03092-248 2-03092-249 2-03092-250 2-03092-251 2-03092-252 2-03092-253 2-03092-254 2-03092-255 2-03092-256 2-03092-257 2-03092-258 2-03092-259 2-03092-260 2-03092-261 2-03092-262 2-03092-263 2-03092-264 2-03092-265 2-03092-266 2-03092-267 2-03092-268 2-03092-269 2-03092-270 2-03092-271 2-03092-272 2-03092-273 2-03092-274 2-03092-275 2-03092-276 2-03092-277 2-03092-278 2-03092-279 2-03092-280 2-03092-281 2-03092-282 2-03092-283 2-03092-284 2-03092-285 2-03092-286 2-03092-287 2-03092-288 2-03092-289 2-0309

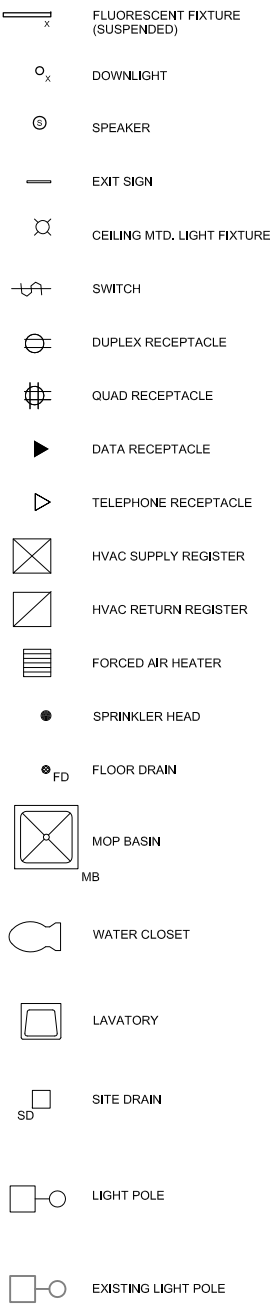
ARCHITECTURAL  
ABBREVIATIONS

ADA	AMERICAN WITH DISABILITIES ACT	GA	GAUGE	PD	PLANTER DRAIN
AFF	ABOVE FINISHED FLOOR	GALV	GALVANIZED	PJF	PREMOLDED JOINT FILLER
ACT	ACOUSTICAL TILE	GC	GENERAL CONTRACTOR	PL	PLATE
ADJ	ADJACENT	GFCMU	GROUND FACE CONCRETE MASONRY UNIT	P	PLASTIC
A/C	AIR CONDITIONING	GFI	GROUND FAULT INTERRUPTER	PLBG	PLUMBING
ALUM	ALUMINUM	GL	GLASS, GLAZING	PLYWD	PLYWOOD
APPROX	APPROXIMATE(LY)	GLCMU	GLAZED CONCRETE MASONRY UNIT	PORC	PORCELAIN TILE
				PR	PAIR
				PREFAB	PREFABRICATE(D)
BM	BEAM	GYP	GYPSUM	PT	POINT
BTWN	BETWEEN	GWB	GYPSUM WALL BOARD	PTD	PAINTED
BIT	BITUMINOUS			PVC	POLYVINYL CHLORIDE
BLKG	BLOCKING	HB	HOSE BIB	PVMT	PAVEMENT
B/	BOTTOM OF	HBG	HIGH BARRIER GATE		
BLDG	BUILDING	HC	HOLLOW CORE	QT	QUARRY TILE
		HDWD	HARDWOOD		
		HGT	HEIGHT	R	RISER
CAB	CABINET	HM	HOLLOW METAL	RD	ROOF DRAIN
CI	CAST IRON	HORIZ	HORIZONTAL	REINF	REINFORCE(D)(ING)
CIP	CAST IN PLACE	HP	HIGH POINT	REO'D	REQUIRED
CB	CATCH BASIN	HDRW	HARDWARE	RET	RETURN
CLG	CEILING	HW	HOT WATER	RH	RIGHT HAND
CJ	CONTROL JOINT	HWH	HOT WATER HEATER	RM	ROOM
CL	CENTERLINE			RO	ROUGH OPENING
CT	CERAMIC TILE	ID	INSIDE DIAMETER		
CLOS	CLOSET	IN	INCH(ES)	SAN	SANITARY
CLR	CLEAR(ANCE)	INCL	INCLUDE(D)(ING)	SC	SILL COCK
CMU	CONCRETE MASONRY UNIT	INFO	INFORMATION	SCHED	SCHEDULE
CO	CLEAN OUT	INSUL	INSULATION	SCWD	SOLID CORE WOOD DOOR
COL	COLUMN	INT	INTERIOR, INTERNAL	SCONC	SEALED CONCRETE
CONC	CONCRETE			SD	SITE DRAIN
CONST	CONSTRUCTION	J.C.	JANITOR'S CLOSET	SFCMU	SPLIT FACE CONCRETE MASONRY UNIT
CONT	CONTINUOUS	JST	JOIST		
CORR	CORRIDOR	JT	JOINT	SGFT	STRUCTURAL GLAZED FACING TILE
CPT	CARPET			SH	SHOWER
CRS	COURSE(S)	KS	KITCHEN SINK	SHT	SHEET
CW	COLD WATER			SIM	SIMILAR
		LAM	LAMINATE(D)	ST	SQUARE
CO	CLEAN OUT	LAV	LAVATORY	STGT	STRUCTURAL GLAZED TILE
		LB(S)	POUND(S)	STL	STEEL
DIA	DIAMETER	LF	LINEAR FEET	SS	STAINLESS STEEL
DIM	DIMENSION	LH	LEFT HAND	SUSP	SUSPENDED
DBL	DOUBLE	LLH	LONG LEG HORIZONTAL		
DN	DOWN	LLV	LONG LEG VERTICAL	T	TREAD
DF	DRINKING FOUNTAIN	LP	LOW POINT	T/	TOP OF
DS	DOWN SPOUT	LTL	LINTEL	T & B	TOP AND BOTTOM
DWG	DRAWING			T & G	TONGUE AND GROOVE
		MAT	MATERIAL(S)	TD	TRENCH DRAIN
EA	EACH	MAX	MAXIMUM	TEL	TELEPHONE
EJ	EXPANSION JOINT	MECH	MECHANICAL	TERR	TERRAZZO
EL	ELEVATION	MEZZ	MEZZANINE	TYP	TYPICAL
ELEC	ELECTRICAL	MFR	MANUFACTURE(R)(D)		
ENCL	ENCLOSURE	MH	MANHOLE	UNEX	UNEXCAVATED
EC	END CABINET	MIN	MINIMUM	UNFIN	UNFINISHED
ENTR	ENTRANCE	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EQ	EQUAL	MO	MASONRY OPENING	UR	URINAL
EQPT	EQUIPMENT	MTD	MOUNTED		
EWC	ELECTRIC WATER COOLER	MTG	MOUNTING	VB	VINYL BASE
EXH	EXHAUST	MTL	METAL	VCT	VINYL COMPOSITION TILE
EXIST	EXISTING	MWK	MILLWORK	VERT	VERTICAL
EXP	EXPOSED			VIF	VERIFY IN FIELD
EXT	EXTERIOR	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF
EP	EPOXY PAINT	NO	NUMBER		
		NOM	NOMINAL	W/	WITH
FD	FLOOR DRAIN	NTS	NOT TO SCALE	WC	WATER CLOSET
FDN	FOUNDATION			WD	WOOD
FE	FIRE EXTINGUISHER	OC	ON CENTER	WH	WALL HUNG
FIN	FINISH(ED)	OD	OUTSIDE DIAMETER	WM	WIRE MESH
FF	FINISHED FLOOR			WP	WATERPROOF(ING)
FLR	FLOOR	OPNG	OPENING	WPT	WORKING POINT
FLUOR	FLUORESCENT	OH	OPPOSITE HAND	WR	WATER RESISTANT
FT	FEET, FOOT			WT	WEIGHT
FTG	FOOTING			WWF	WELDED WIRE FABRIC

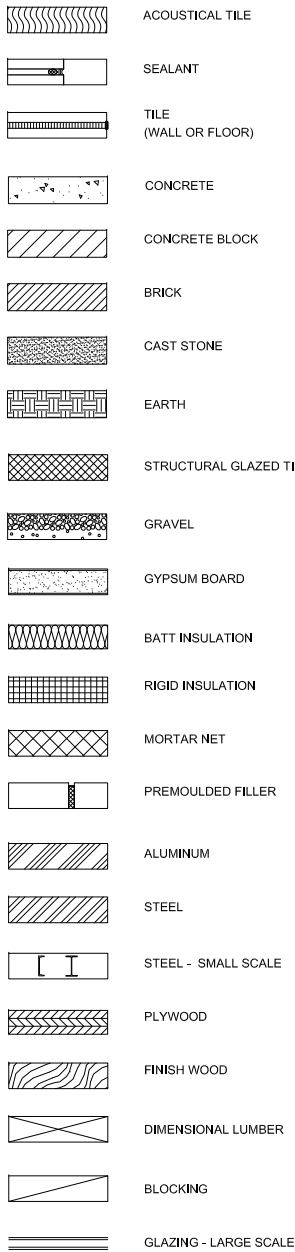
ARCHITECTURAL  
TARGET LEGEND



ARCHITECTURAL  
SYMBOL LEGEND



ARCHITECTURAL  
MATERIAL LEGEND



ARCHITECTURAL  
GENERAL NOTES

GENERAL NOTES- CONSTRUCTION

- All dimensions are face of partitions, column centerline, or finished face of exterior wall unless otherwise noted.
- All dimensions shall be verified in the field before proceeding with any work. The owner shall be notified of any discrepancies or corrections. Dimensions of new work are based on record drawings of existing work. Any discrepancies in existing work will affect new work dimensions. Contractor is to verify the drawings.
- Provide access panels as required by applicable codes and as required for mechanical and electrical equipment. Review locations with owner and architect at a pre-installation conference.
- All dissimilar metals shall be effectively isolated.
- The contractor must coordinate all mechanical and electrical floor sleeves and wall sleeves, embedded conduit, and mechanical ductwork with mechanical, plumbing, electrical, and architectural drawings with corresponding disciplines.
- All pipes, conduits, and ductwork that penetrate walls, floor, or roof shall be installed in a manner that will preserve the fire resistive integrity and water tightness of such walls or slabs and the building.
- All exterior joints around windows, doors frames, metal panels, between walls and roof, between wall panels, and at penetrations of utilities through the building envelope shall be fire-sealed as required, sealed, caulked, or weather stripped to prevent water or air leakage/penetration.
- Coordinate top of finished floor to match top of existing dock. Coordinate the proper float height with Westrec and the barge manufacturer. The General Contractor is responsible for all coordination and verifying heights and dimensions of each site.
- General Contractor coordinate with structural and site plan drawings. Drawings that represent the existing plan conditions are diagrammatically shown. Exact locations, sizes, extent, and conditions of existing construction to be removed, relocated, or to remain shall be verified on the building site by the contractor and included in the work scope and bid.
- Contractor shall be responsible for protection of existing and new work. Any work damaged for any reason shall be replaced at no cost to the owner.
- The submission of a bid or proposal will be construed as evidence that the contractor has familiarized him/herself with the plans and existing conditions of the building site. Claims made subsequent to the proposal for materials and labor because of difficulties encountered will not be recognized if they could have been foreseen had proper examination of the site and/or drawings been made.
- Prior to starting construction the general contractor shall be responsible to verify that all required permits and approvals have been obtained. Neither construction nor fabrication of any item shall begin until the contractor has received all plans and any other approvals from governmental agencies or other regulatory authorities having jurisdiction over the project. Failure of the contractor to follow this procedure shall cause the contractor to assume full responsibility for any subsequent modification of the work mandated by regulatory authority.
- All gypsum board to be 5/8" abuse resistant and moisture resistant unless noted otherwise. In wet areas cement board shall be used.
- Contractor shall install rough blocking or wood nailers during the rough framing stage of construction as required for properly securing wall cabinets, shelving, lighting, and electrical fixtures, wall mounted equipment, millwork, toilet accessories, applied decorative treatments, and handrail brackets.
- Newly installed exposed electrical items, excluding the plumbing chase, including but not limited to, conduit hangers, and fittings shall be painted to match existing adjacent surfaces unless drawings indicate a wall or ceiling to remain unfinished (not painted).
- Contractor to remove any graffiti within 24 hours during construction.

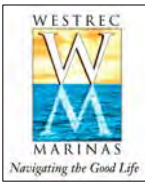
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CHICAGO, IL 60622

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4	07/01/2011	100% DESIGN SUBMITTAL
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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT

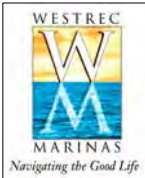
**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**GENERAL NOTES,  
ABBREV. & SYMBOLS**

DRAWN: NAP	SHEET NO. <b>G0.1</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10,09,10	



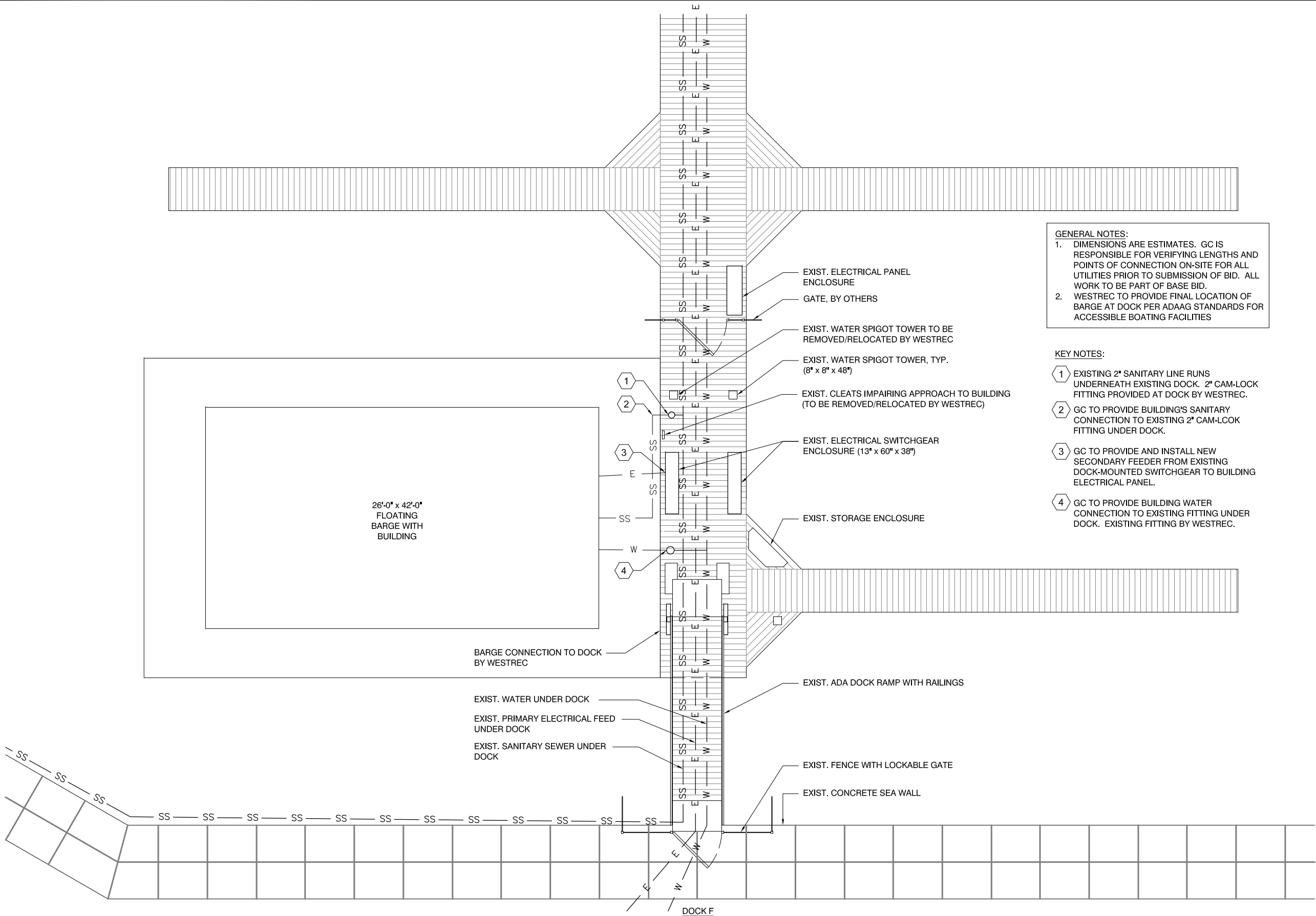


GENERAL NOTES:

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- WESTREC TO PROVIDE FINAL LOCATION OF BARGE AT DOCK PER ADAAG STANDARDS FOR ACCESSIBLE BOATING FACILITIES

KEY NOTES:

- EXISTING 2" SANITARY LINE RUNS UNDERNEATH EXISTING DOCK. 2" CAM-LOCK FITTING PROVIDED AT DOCK BY WESTREC.
- GC TO PROVIDE BUILDING'S SANITARY CONNECTION TO EXISTING 2" CAM-LOCK FITTING UNDER DOCK.
- GC TO PROVIDE AND INSTALL NEW SECONDARY FEEDER FROM EXISTING DOCK-MOUNTED SWITCHGEAR TO BUILDING ELECTRICAL PANEL.
- GC TO PROVIDE BUILDING WATER CONNECTION TO EXISTING FITTING UNDER DOCK. EXISTING FITTING BY WESTREC.



1 SITE PLAN - BELMONT HARBOR - DOCK F

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



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WESTREC FLOATING  
WASHROOMS

SHEET TITLE

SITE PLAN - BELMONT

DRAWN: NAP

CHECKED: TS

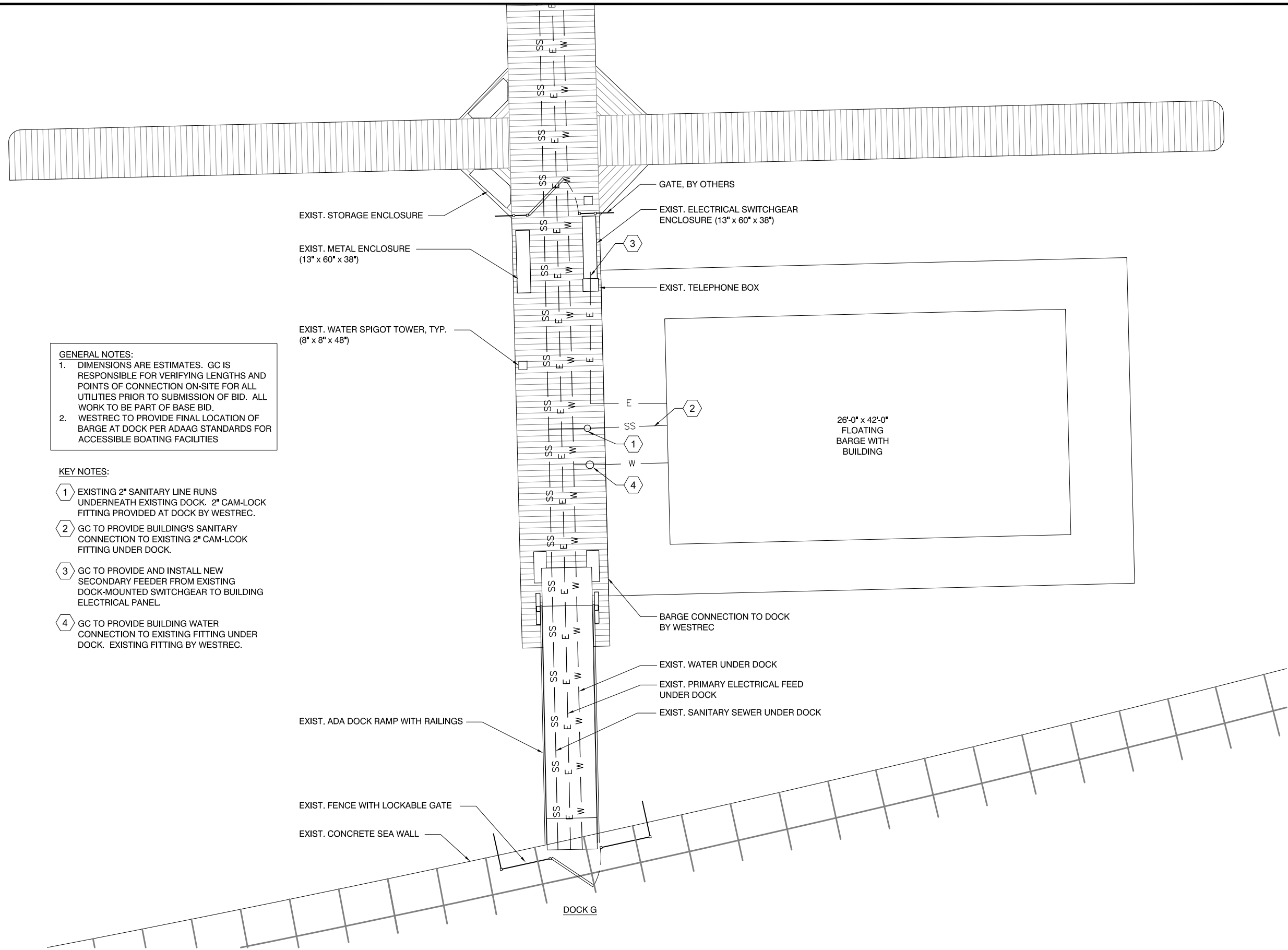
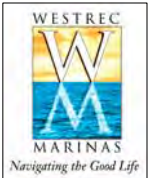
APPROVED: TS

JOB NO. 10.09.10

SHEET NO.

A0.1





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PROJECT  
**WESTREC FLOATING WASHROOMS**

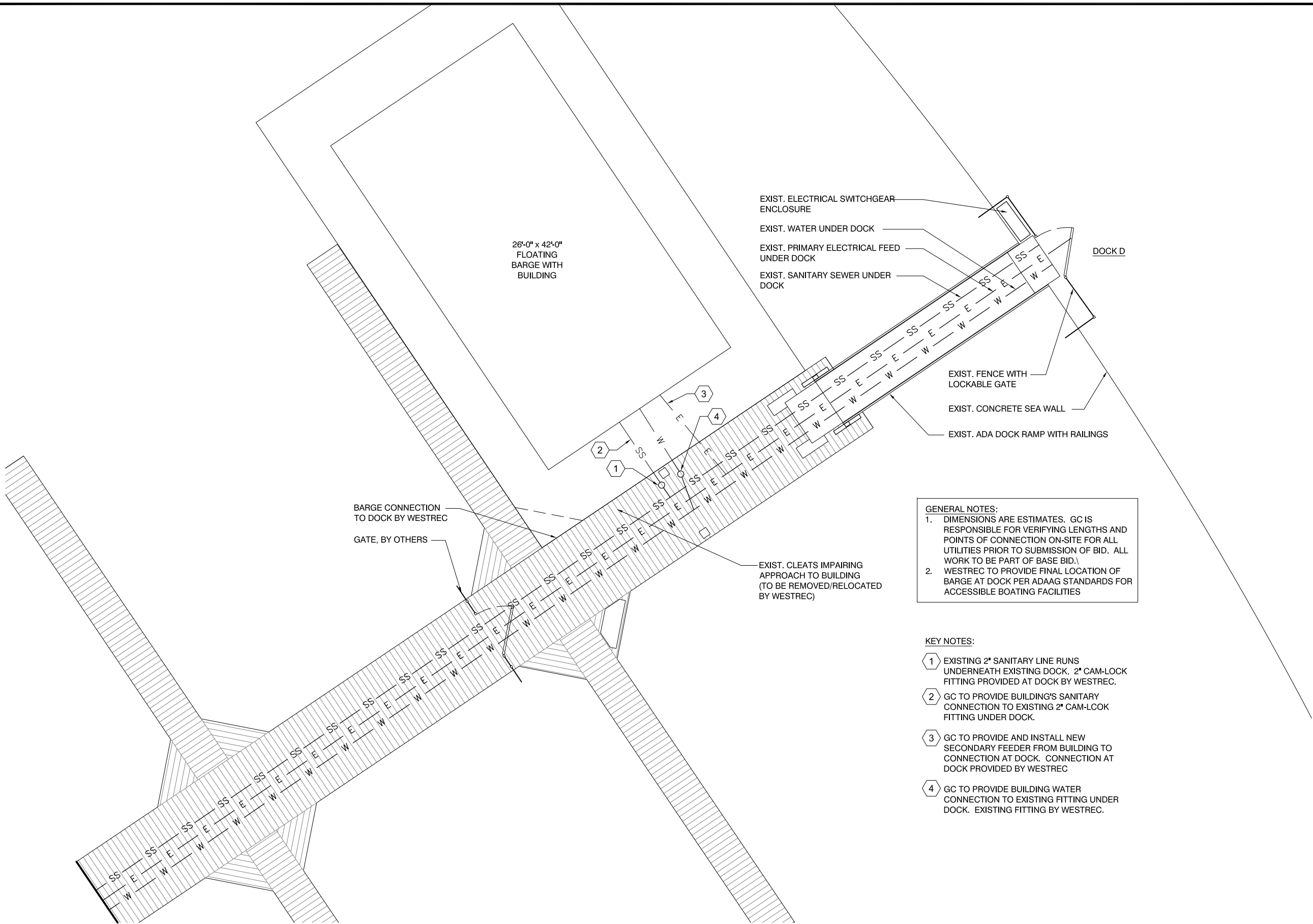
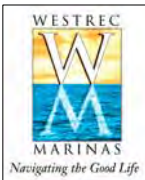
SHEET TITLE  
**SITE PLAN - DIVERSEY**

DRAWN: NAP	SHEET NO.
CHECKED: TS	<b>A0.2</b>
APPROVED: TS	
JOB NO. 10.09.10	

1 **SITE PLAN - DIVERSEY HARBOR - DOCK G**  
SCALE: 1/8" = 1'-0"







**GENERAL NOTES:**

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- 4 GC TO PROVIDE BUILDING WATER CONNECTION TO EXISTING FITTING UNDER DOCK. EXISTING FITTING BY WESTREC.

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PROJECT  
**WESTREC FLOATING  
WASHROOMS**

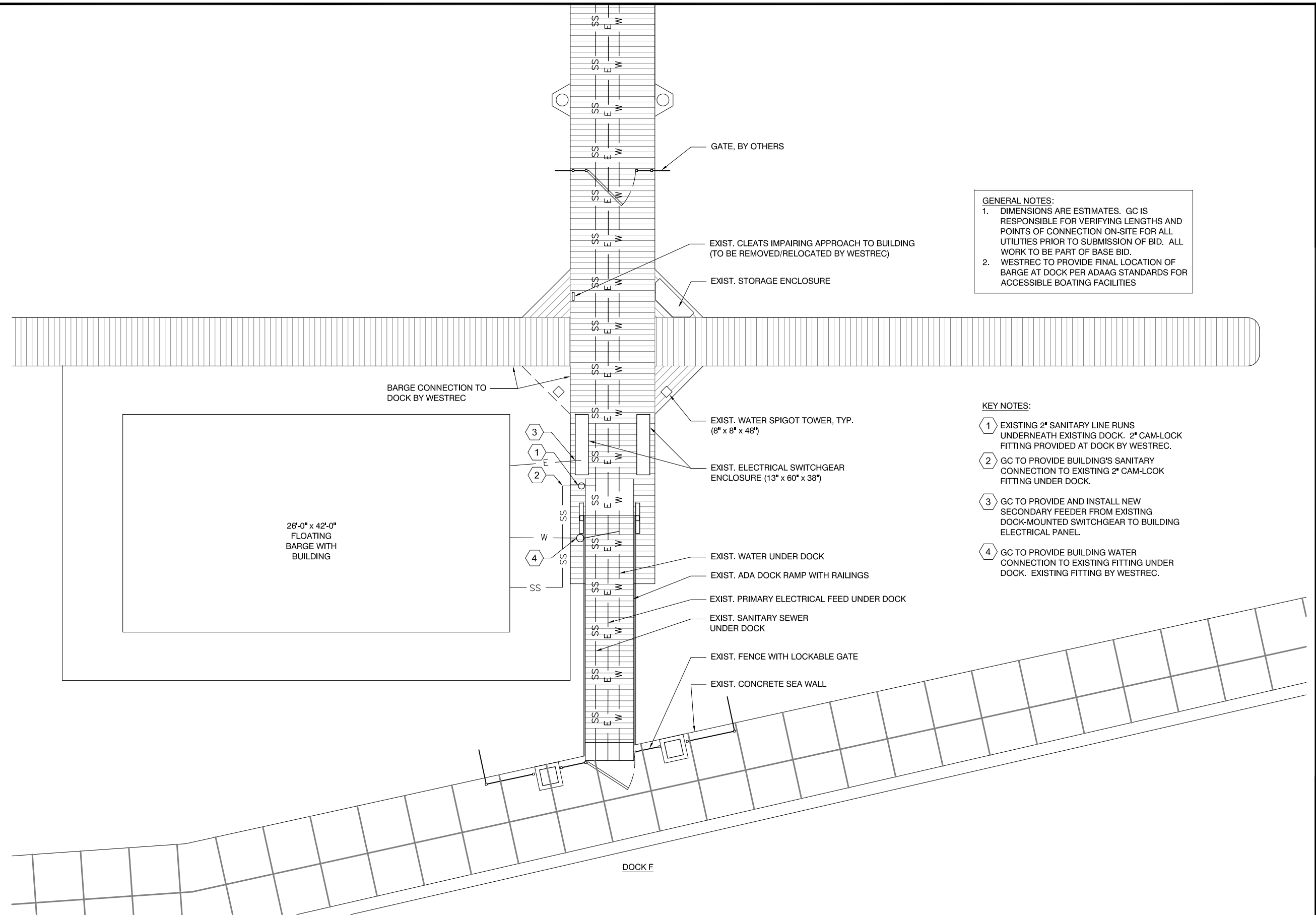
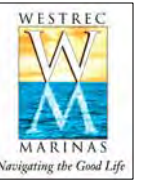
SHEET TITLE  
**SITE PLAN - JACKSON**

DRAWN: NAP	SHEET NO. <b>A0.3</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

1 **SITE PLAN - JACKSON HARBOR - DOCK D**  
SCALE: 1/8" = 1'-0"



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  2. WESTREC TO PROVIDE FINAL LOCATION OF BARGE AT DOCK PER ADAAG STANDARDS FOR ACCESSIBLE BOATING FACILITIES

- KEY NOTES:**
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  - 2 GC TO PROVIDE BUILDING'S SANITARY CONNECTION TO EXISTING 2" CAM-LOCK FITTING UNDER DOCK.
  - 3 GC TO PROVIDE AND INSTALL NEW SECONDARY FEEDER FROM EXISTING DOCK-MOUNTED SWITCHGEAR TO BUILDING ELECTRICAL PANEL.
  - 4 GC TO PROVIDE BUILDING WATER CONNECTION TO EXISTING FITTING UNDER DOCK. EXISTING FITTING BY WESTREC.

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## WESTREC FLOATING WASHROOMS

SHEET TITLE

## SITE PLAN - BURNHAM NORTH

DRAWN: NAP

CHECKED: TS

APPROVED: TS

SHEET NO.

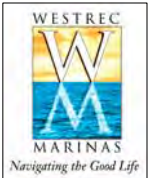
## A0.4

# 1 SITE PLAN - BURNHAM HARBOR NORTH - DOCK F

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







GENERAL NOTES:

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- 4 GC TO PROVIDE BUILDING WATER CONNECTION TO EXISTING FITTING UNDER DOCK. EXISTING FITTING BY WESTREC.

EXIST. WATER SPIGOT TOWER, TYP. (8" x 8" x 48")

EXIST. ELECTRICAL SWITCHGEAR ENCLOSURE (13" x 60" x 38")

BARGE CONNECTION TO DOCK BY WESTREC

EXIST. WATER UNDER DOCK

EXIST. PRIMARY ELECTRICAL FEED UNDER DOCK

EXIST. SANITARY SEWER UNDER DOCK

GATE, BY OTHERS

EXIST. CLEATS IMPAIRING APPROACH TO BUILDING (TO BE REMOVED/RELOCATED BY WESTREC)

RELOCATED FINGER BY WESTREC

26'-0" x 42'-0"  
FLOATING  
BARGE WITH  
BUILDING

WESTREC TO COORDINATE EXTENSION OF FLOATING BARGE

WESTREC TO REMOVE AND RELOCATE FINGER EAST OF BARGE

EXIST. ADA DOCK RAMP WITH RAILINGS

EXIST. FENCE WITH LOCKABLE GATE

EXIST. CONCRETE SEA WALL

DOCK P

1

SITE PLAN - BURNHAM HARBOR SOUTH - DOCK P

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



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NO	DATE	ISSUED FOR

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**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**SITE PLAN - BURNHAM  
SOUTH**

DRAWN: NAP	SHEET NO.
CHECKED: TS	<b>A0.5</b>
APPROVED: TS	
JOB NO. 10.09.10	

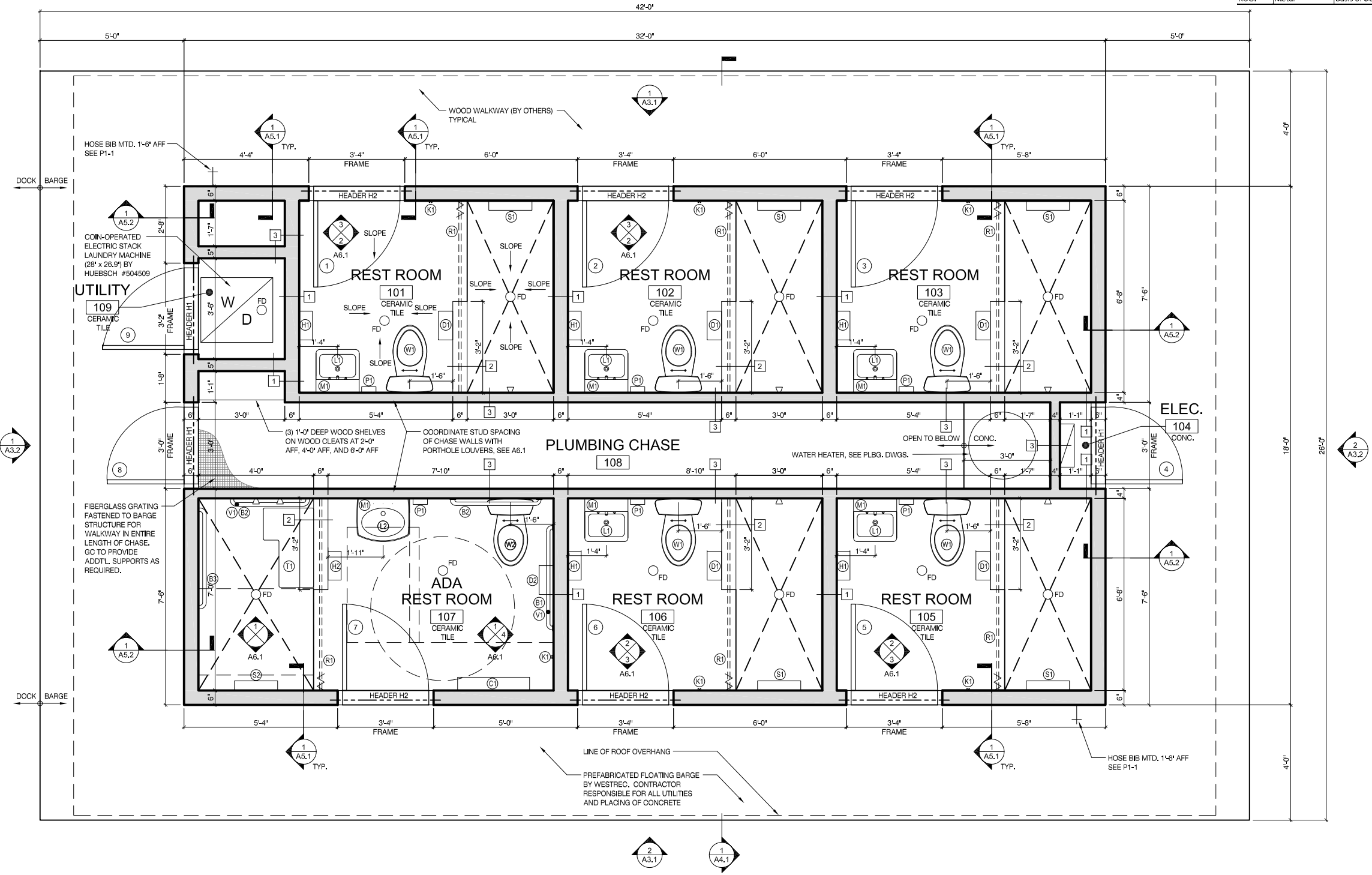
ACCESSORY		MOUNTING	
(B1)	42" HORIZONTAL GRAB BAR		MOUNT AT 3'-0" AFF TO CL OF BAR
(B2)	36" HORIZONTAL GRAB BAR		MOUNT AT 3'-0" AFF TO CL OF BAR
(B3)	42" OR 48" HORIZ. GRAB BAR		MOUNT AT 3'-0" AFF TO CL OF BAR
(C)	BABY CHANGING STATION		MOUNT AT 4'-0" AFF TO HANDLE
(D)	TOILET PAPER DISPENSOR		MOUNT AT 2'-0" AFF TO PAPER OUTLET
(D2)	TOILET PAPER DISPENSOR		MOUNT AT 3'-9" AFF TO PAPER OUTLET MIN. 1 1/2" CLEAR OF GRAB BAR
(H)	ELECTRIC HAND DRYER		MOUNT AT 4'-0" AFF TO CONTROLS
(H2)	ELECTRIC HAND DRYER		MOUNT AT 3'-4" AFF TO CONTROLS
(K)	DOUBLE TOWEL HOOK		MOUNT AT 4'-0" AFF
(M)	MIRROR W/ SHELF		MOUNT AT 3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE
(T)	ADA SHOWER SEAT		MOUNT AT 1'-6" AFF TO TOP OF SEAT

ACCESSORY		MOUNTING	
(V)	18" VERTICAL GRAB BAR		MOUNT 4" ABOVE HORIZ. BAR
(P)	SOAP DISPENSOR		MOUNT AT 3'-8" AFF TO CONTROLS
(S)	18" SHELF WITH HOOKS		MOUNT AT 4'-0" AFF TO HOOKS
(S2)	18" SHELF WITH HOOKS		MOUNT AT 3'-11" AFF TO SHELF
(W)	TYPICAL WATER CLOSET		MOUNT SEAT HEIGHT AT 1'-3" AFF CENTERLINE OF TOILET 1'-6"
(W2)	ADULT ADA WATER CLOSET		MOUNT SEAT HEIGHT AT 1'-8" AFF CENTERLINE OF TOILET 1'-6"
(L)	TYPICAL LAVATORY		MOUNT AT 2'-7" AFF RIM HEIGHT
(L2)	ADULT ADA LAVATORY		MOUNT AT 2'-10" AFF MAX. RIM HEIGHT. 2'-5" MIN. KNEE SPACE.
(R)	CURTAIN ROD OR 1 1/4" O.D. CHROME-PLATED PIPE W/ WALL MOUNTS		MOUNT AT 6'-6" AFF TO CENTERLINE OF ROD

- GENERAL NOTES
- MEP COMPONENTS INCLUDING, BUT NOT LIMITED TO, CONDUIT AND PIPES ARE SHOWN ON ARCHITECTURAL PLANS FOR REFERENCE ONLY. NOT ALL PENETRATIONS AND MEP COMPONENTS ARE SHOWN. CONTRACTOR TO COORDINATE AND ADJUST CHASES AND COLUMN ENCLOSURES AS REQUIRED TO FIT MEP COMPONENTS UPON ARCHITECT'S APPROVAL.
  - FOR ELECTRICAL COMPONENTS LOCATED ON EXTERIOR WALLS, ROUTE CONDUIT HORIZONTALLY FROM THE PLUMBING CHASE THROUGH ADJACENT WALLS. DO NOT ROUTE CONDUIT FROM OVERHEAD BETWEEN THE PERFORATED PANELS.
  - SLOPE CONCRETE TO DRAIN MIN. 1/4" PER FOOT, TYPICAL ALL ROOMS. SEE RESTROOM 101 FOR TYPICAL.
  - GO TO COORDINATE CLEARANCES OF COIN LAUNDRY UNIT

Room Finish Schedule					
Room No.	Room Name	Floor Finish	Base	Wall Finish	Ceiling Finish
101	Rest Room	CT-2	CT-1	CT-1	WOOD
102	Rest Room	CT-2	CT-1	CT-1	WOOD
103	Rest Room	CT-2	CT-1	CT-1	WOOD
104	Electrical	CONC	VINYL	GYP BD PT-1	GYP BD PT-1
105	Rest Room	CT-2	CT-1	CT-1	WOOD
106	Rest Room	CT-2	CT-1	CT-1	WOOD
107	ADA Rest Room	CT-2	CT-1	CT-1	WOOD
108	Plumbing Chase	N/A	N/A	N/A	N/A
109	Utility	CONC	VINYL	GYP BD PT-1	GYP BD PT-1
110	Office	CT-3	WOOD	GYP BD PT-1	WOOD
111	Closet	CT-3	WOOD	GYP BD PT-1	GYP BD PT-1

Finish Legend		
Symbol	Material	Description
<b>Floor</b>		
CT-2	Ceramic Tile	2"x2" tile; Basis of Design: Daltile #D202 "Uptown Taupe Speckle"
CT-3	Ceramic Tile	6.5"x20" tile; Basis of Design: Daltile #CN94 "Eastside Brown"
CONC	Concrete	Smooth finish
<b>Wall</b>		
CT-1	Ceramic Tile	2"x2" tile; Basis of Design: Daltile #D161 "Urban Putty"
PT-1	Paint	Basis of Design: Benjamin Moore "White Dove"
PT-2	Paint	Basis of Design: Benjamin Moore #2125-10 "Black Panther"
<b>Base</b>		
WOOD	Wood	4" Cedar
VINYL	Vinyl Base	4" base; Basis of Design: Armstrong #15 "Zinc"
<b>Exterior</b>		
SIDING	Fiber Cement Bd	4" exposure; Basis of Design: HardiePlank "Cobble Stone"
ROOF	Metal	Basis of Design: Peterson Aluminum color "Silver"



DESIGN LOADS FOR ROOF TRUSS:

- SNOW LOADS:  
TYPICAL ROOF 25 PSF
- WIND LOADS:  
MAIN WIND RESISTING SYSTEM 30 PSF  
UPLIFT ON HANGERS 40 PSF
- MAXIMUM TRUSS SPACING TO BE 2'-0" O.C.

COLD FORMED (LIGHT GAUGE) STRUCTURAL STEEL

- CONFORM TO AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL" STRUCTURAL MEMBERS' LATEST EDITION.
- FORM ALL STRUCTURAL MEMBERS FROM CORROSION-RESISTANT STEEL CORRESPONDING TO ASTM A653-94 YIELD STRENGTH: 33 KSI
- ZINC COAT ALL STRUCTURAL MEMBERS PER ASTM A294 (G90 COATING). TOUCH UP ALL WELDS WITH ZINC RICH PAINT.
- THE CONTRACTOR SHALL SUBMIT DETAILED, ENGINEERED, COORDINATED, AND CHECKED SHOP DRAWINGS PRIOR TO FABRICATION, STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- ALL FRAMING COMPONENTS MUST BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS. ALL MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
- FASTENING OF COMPONENTS SHALL BE SELF-DRILLING SCREWS OR BY WELDING AS INDICATED. DO NOT WIRE TIE COMPONENTS.
- ALL WELDING WORK SHALL CONFORM TO A.W.S. D.1.3 "STRUCTURAL WELDING CODE - SHEET STEEL" LATEST EDITION. ALL WELDING SHALL BE PERFORMED BY A.W.S. CERTIFIED WELDERS QUALIFIED IN ACCORDANCE WITH SECTION 6 OF THE A.W.S. D.1.3.
- PROVIDE TEMPORARY BRACING UNTIL ERECTION IS COMPLETE.
- COMPLETE, UNIFORM AND LEVEL BEARING SUPPORT MUST BE PROVIDED FOR STUD RUNNER TRACKS. ATTACH STUD TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS.
- AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST INSIDE TRACK WEB PRIOR TO STUD AND TRACK ATTACHMENT.
- PROVIDE HORIZONTAL STRAP AND BLOCKING OR COLD-ROLLED CHANNEL BRACING FOR ALL STUDS, PER MANUFACTURER RECOMMENDATIONS.

PLYWOOD

- TO BE CDX EXTERIOR GRADE

INTERIOR WALLS

STUDS AT 16" O.C. 362S162-33 (20 GA.)  
RUNNERS 362T150-33 (20 GA.)

3/8" DIA. S.S. EXP. ANCHOR WITH NUTS AND WASHERS - 48" O.C., EMBED 3" INTO CONCRETE

EXTERIOR WALLS

- SEE FRAMING ELEVATIONS ON A3.1
- SEE DETAIL 3 ON A5.1 FOR TYPICAL EXTERIOR WALL FRAMING

HEADERS

- H1 DBL. C-CHANNEL HEADER - SEE 2/A5.2  
(2) 600S162-54 WITH WEB STIFFENERS AND SUPPORTS AND CHANNEL TRACK TOP AND BOTTOM
- H2 TRUSS HEADER - SEE 3/A3.1

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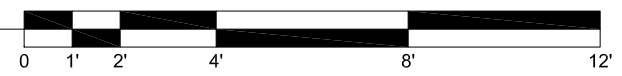


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PROJECT  
**WESTREC FLOATING WASHROOMS**

SHEET TITLE <b>FLOOR PLAN</b>	
DRAWN: NAP CHECKED: TS APPROVED: TS JOB NO. 10,09,10	SHEET NO. <b>A1.1</b>

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





ACCESSORY		MOUNTING	
(B1)	42" HORIZONTAL GRAB BAR		MOUNT AT 3'-0" AFF TO CL OF BAR
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(T)	ADA SHOWER SEAT		MOUNT AT 1'-6" AFF TO TOP OF SEAT

ACCESSORY		MOUNTING	
(V)	18" VERTICAL GRAB BAR		MOUNT 4" ABOVE HORIZ. BAR
(P)	SOAP DISPENSOR		MOUNT AT 3'-8" AFF TO CONTROLS
(S)	18" SHELF WITH HOOKS		MOUNT AT 4'-2" AFF TO HOOKS
(S2)	18" SHELF WITH HOOKS		MOUNT AT 3'-11" AFF TO SHELF
(W)	TYPICAL WATER CLOSET		MOUNT SEAT HEIGHT AT 1'-3" AFF CENTERLINE OF TOILET 1'-6"
(W2)	ADULT ADA WATER CLOSET		MOUNT SEAT HEIGHT AT 1'-8" AFF CENTERLINE OF TOILET 1'-6"
(L)	TYPICAL LAVATORY		MOUNT AT 2'-7" AFF RIM HEIGHT
(L2)	ADULT ADA LAVATORY		MOUNT AT 2'-10" AFF MAX. RIM HEIGHT. 2'-5" MIN. KNEE SPACE.
(R)	CURTAIN ROD OR 1 1/4" O.D. CHROME-PLATED PIPE W/ WALL MOUNTS		MOUNT AT 6'-8" AFF TO CENTERLINE OF ROD

- GENERAL NOTES
- MEP COMPONENTS INCLUDING, BUT NOT LIMITED TO, CONDUIT AND PIPES ARE SHOWN ON ARCHITECTURAL PLANS FOR REFERENCE ONLY. NOT ALL PENETRATIONS AND MEP COMPONENTS ARE SHOWN. CONTRACTOR TO COORDINATE AND ADJUST CHASES AND COLUMN ENCLOSURES AS REQUIRED TO FIT MEP COMPONENTS UPON ARCHITECTS APPROVAL.
  - FOR ELECTRICAL COMPONENTS LOCATED ON EXTERIOR WALLS, ROUTE CONDUIT HORIZONTALLY FROM THE PLUMBING CHASE THROUGH ADJACENT WALLS. DO NOT ROUTE CONDUIT FROM OVERHEAD BETWEEN THE PERFORATED PANELS.
  - SLOPE CONCRETE TO DRAIN MIN. 1/4" PER FOOT, TYPICAL. ALL ROOMS. SEE RESTROOM 101 FOR TYPICAL.
  - GC TO COORDINATE CLEARANCES OF COIN LAUNDRY UNIT

#### Room Finish Schedule

Room No.	Room Name	Floor Finish	Base	Wall Finish	Ceiling Finish
101	Rest Room	CT-2	CT-1	CT-1	WOOD
102	Rest Room	CT-2	CT-1	CT-1	WOOD
103	Rest Room	CT-2	CT-1	CT-1	WOOD
104	Electrical	CONC	VINYL	GYP BD PT-1	GYP BD PT-1
105	Rest Room	CT-2	CT-1	CT-1	WOOD
106	Rest Room	CT-2	CT-1	CT-1	WOOD
107	ADA Rest Room	CT-2	CT-1	CT-1	WOOD
108	Plumbing Chase	N/A	N/A	N/A	N/A
109	Utility	CONC	VINYL	GYP BD PT-1	GYP BD PT-1
110	Office	CT-3	WOOD	GYP BD PT-1	WOOD
111	Closet	CT-3	WOOD	GYP BD PT-1	GYP BD PT-1

#### Finish Legend

Symbol	Material	Description
<b>Floor</b>		
CT-2	Ceramic Tile	2"x2" tile; Basis of Design: Daltile #D202 "Uptown Taupe Speckle"
CT-3	Ceramic Tile	6.5"x20" tile; Basis of Design: Daltile #CN94 "Eastside Brown"
CONC	Concrete	Smooth finish
<b>Wall</b>		
CT-1	Ceramic Tile	2"x2" tile; Basis of Design: Daltile #D161 "Urban Putty"
PT-1	Paint	Basis of Design: Benjamin Moore "White Dove"
PT-2	Paint	Basis of Design: Benjamin Moore #2125-10 "Black Panther"
<b>Base</b>		
WOOD	Wood	4" Cedar
VINYL	Vinyl Base	4" base; Basis of Design: Armstrong #15 "Zinc"
<b>Exterior</b>		
SIDING	Fiber Cement Bd	4" exposure; Basis of Design: HardiePlank "Cobble Stone"
ROOF	Metal	Basis of Design: Peterson Aluminum color "Silver"

#### DESIGN LOADS FOR ROOF TRUSS:

SNOW LOADS:	
TYPICAL ROOF	25 PSF
WIND LOADS:	
MAIN WIND RESISTING SYSTEM	30 PSF
UPLIFT ON HANGERS	40 PSF
MAXIMUM TRUSS SPACING TO BE 2'-0" O.C.	

#### COLD FORMED (LIGHT GAUGE) STRUCTURAL STEEL

- CONFORM TO AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL" STRUCTURAL MEMBERS' LATEST EDITION.
- FORM ALL STRUCTURAL MEMBERS FROM CORROSION-RESISTANT STEEL CORRESPONDING TO ASTM A653-94 YIELD STRENGTH: 33 KSI
- ZINC COAT ALL STRUCTURAL MEMBERS PER ASTM A294 (G90 COATING). TOUCH UP ALL WELDS WITH ZINC RICH PAINT.
- THE CONTRACTOR SHALL SUBMIT DETAILED, ENGINEERED, COORDINATED, AND CHECKED SHOP DRAWINGS PRIOR TO FABRICATION, STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- ALL FRAMING COMPONENTS MUST BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS. ALL MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
- FASTENING OF COMPONENTS SHALL BE SELF-DRILLING SCREWS OR BY WELDING AS INDICATED. DO NOT WIRE TIE COMPONENTS.
- ALL WELDING WORK SHALL CONFORM TO A.W.S. D.1.3 "STRUCTURAL WELDING CODE - SHEET STEEL" LATEST EDITION. ALL WELDING SHALL BE PERFORMED BY A.W.S. CERTIFIED WELDERS QUALIFIED IN ACCORDANCE WITH SECTION 6 OF THE A.W.S. D.1.3.
- PROVIDE TEMPORARY BRACING UNTIL ERECTION IS COMPLETE.
- COMPLETE, UNIFORM AND LEVEL BEARING SUPPORT MUST BE PROVIDED FOR STUD RUNNER TRACKS. ATTACH STUD TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS.
- AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST INSIDE TRACK WEB PRIOR TO STUD AND TRACK ATTACHMENT.
- PROVIDE HORIZONTAL STRAP AND BLOCKING OR COLD-ROLLED CHANNEL BRACING FOR ALL STUDS, PER MANUFACTURER RECOMMENDATIONS.

#### PLYWOOD

- TO BE CDX EXTERIOR GRADE

#### INTERIOR WALLS

STUDS AT 16" O.C.	362S162-33 (20 GA.)
RUNNERS	362T150-33 (20 GA.)

3/8" DIA. S.S. EXP. ANCHOR WITH NUTS AND WASHERS - 48" O.C., EMBED 3" INTO CONCRETE

#### EXTERIOR WALLS

- SEE FRAMING ELEVATIONS ON A3.1
- SEE DETAIL 3 ON A5.1 FOR TYPICAL EXTERIOR WALL FRAMING

#### HEADERS

H1 DBL. C-CHANNEL HEADER - SEE 2/A5.2  
(2) 600S162-54 WITH WEB STIFFENERS AND SUPPORTS AND CHANNEL TRACK TOP AND BOTTOM

H2 TRUSS HEADER - SEE 3/A3.1

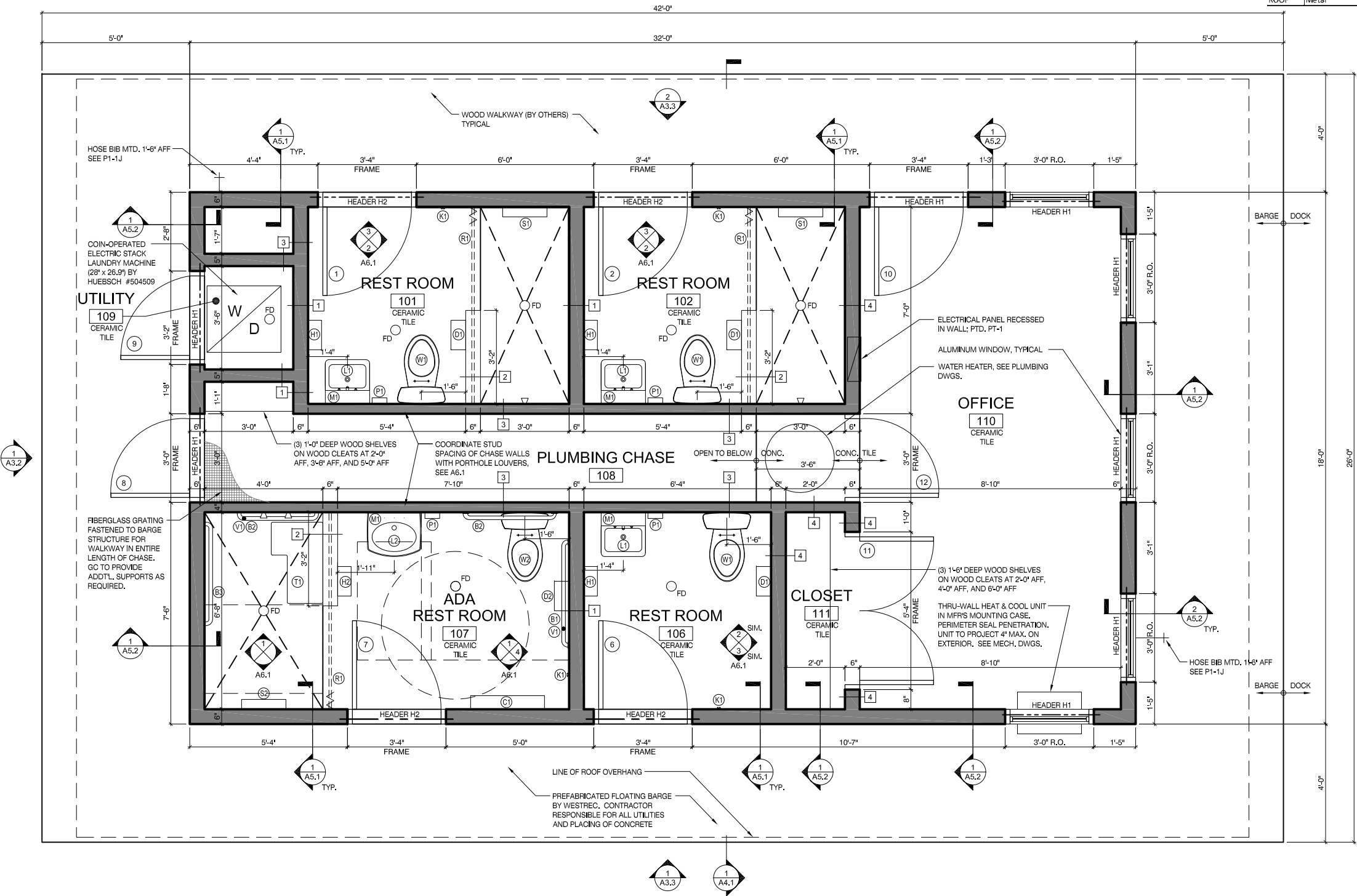
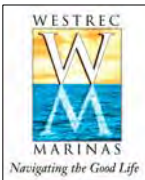
MULLER+MULLER  
architects

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T: 312.432.4180  
F: 312.432.4184

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1

## FLOOR PLAN (JACKSON HARBOR)

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



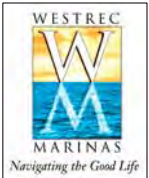
DOCK SIDE

#### SHEET TITLE

### FLOOR PLAN (JACKSON)

DRAWN: NAP	SHEET NO. <b>A1.1 J</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10,09,10	

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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**ROOF PLAN**

DRAWN: NAP

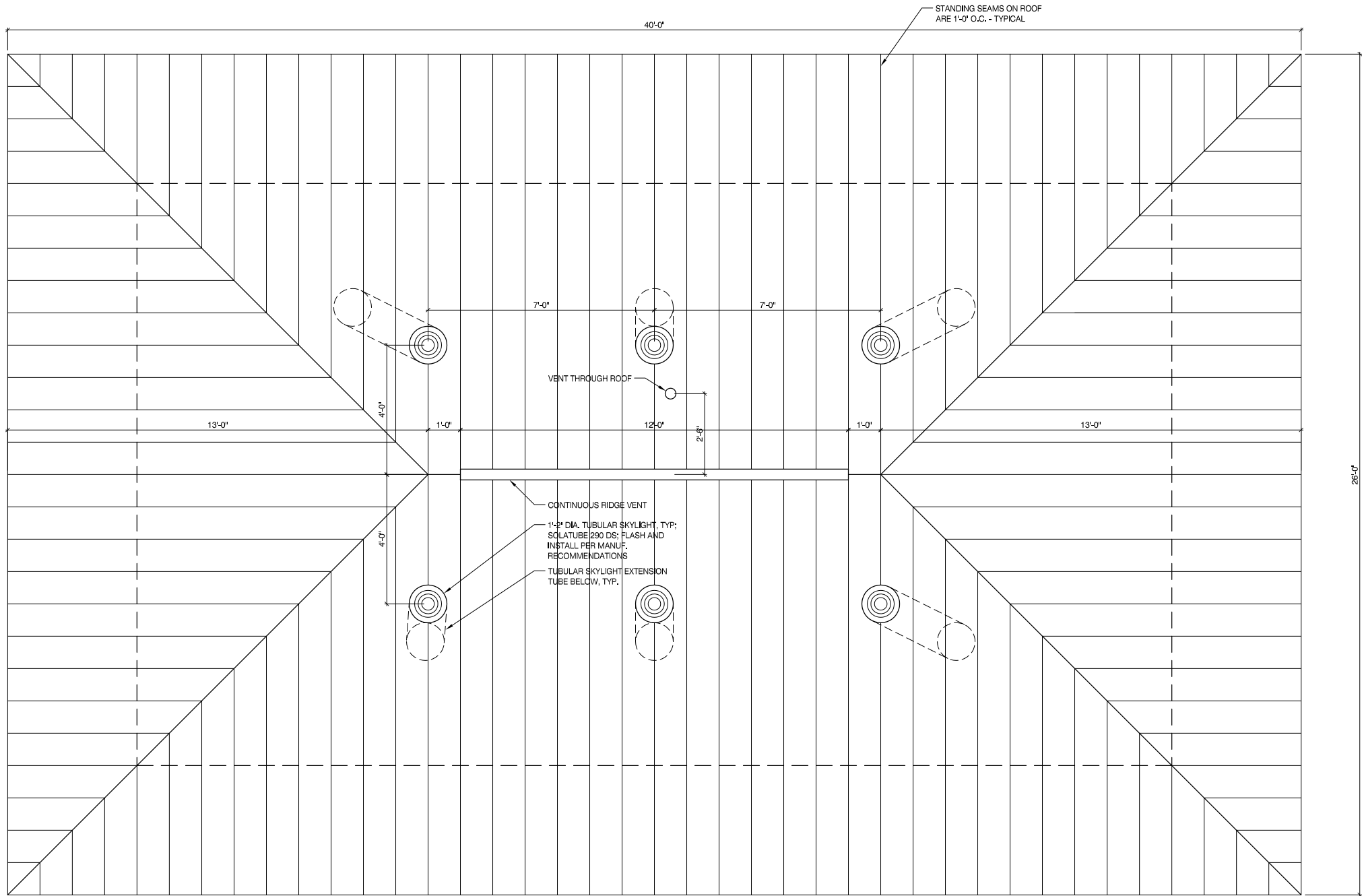
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APPROVED: TS

JOB NO. 10.09.10

SHEET NO.

**A1.2**

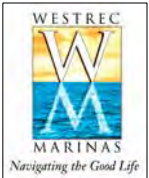


**1 ROOF PLAN**  
SCALE: 1/4" = 1'-0"





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NO	DATE	ISSUED FOR

PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**ROOF PLAN  
(JACKSON)**

DRAWN: NAP

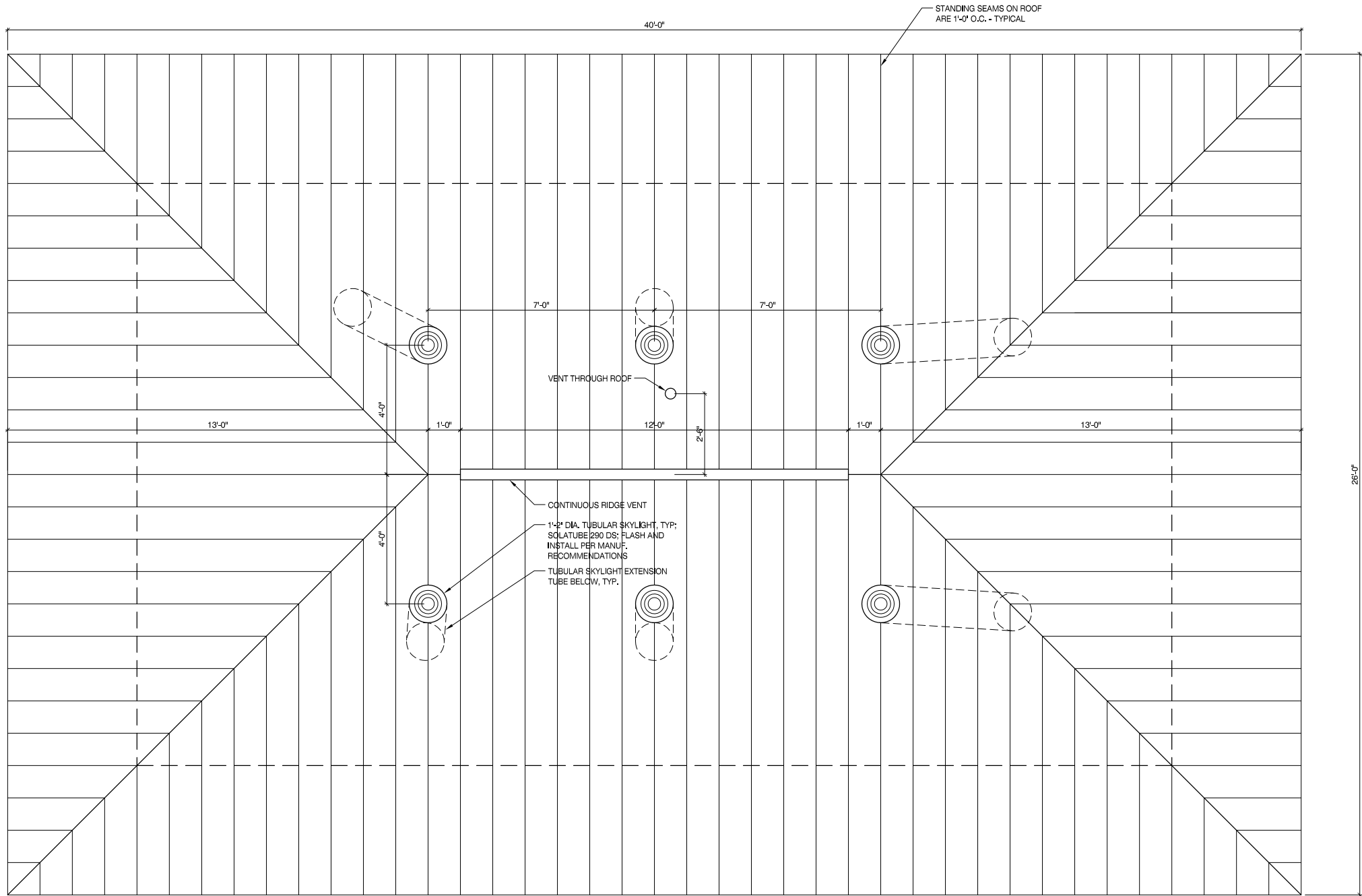
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JOB NO. 10.09.10

SHEET NO.

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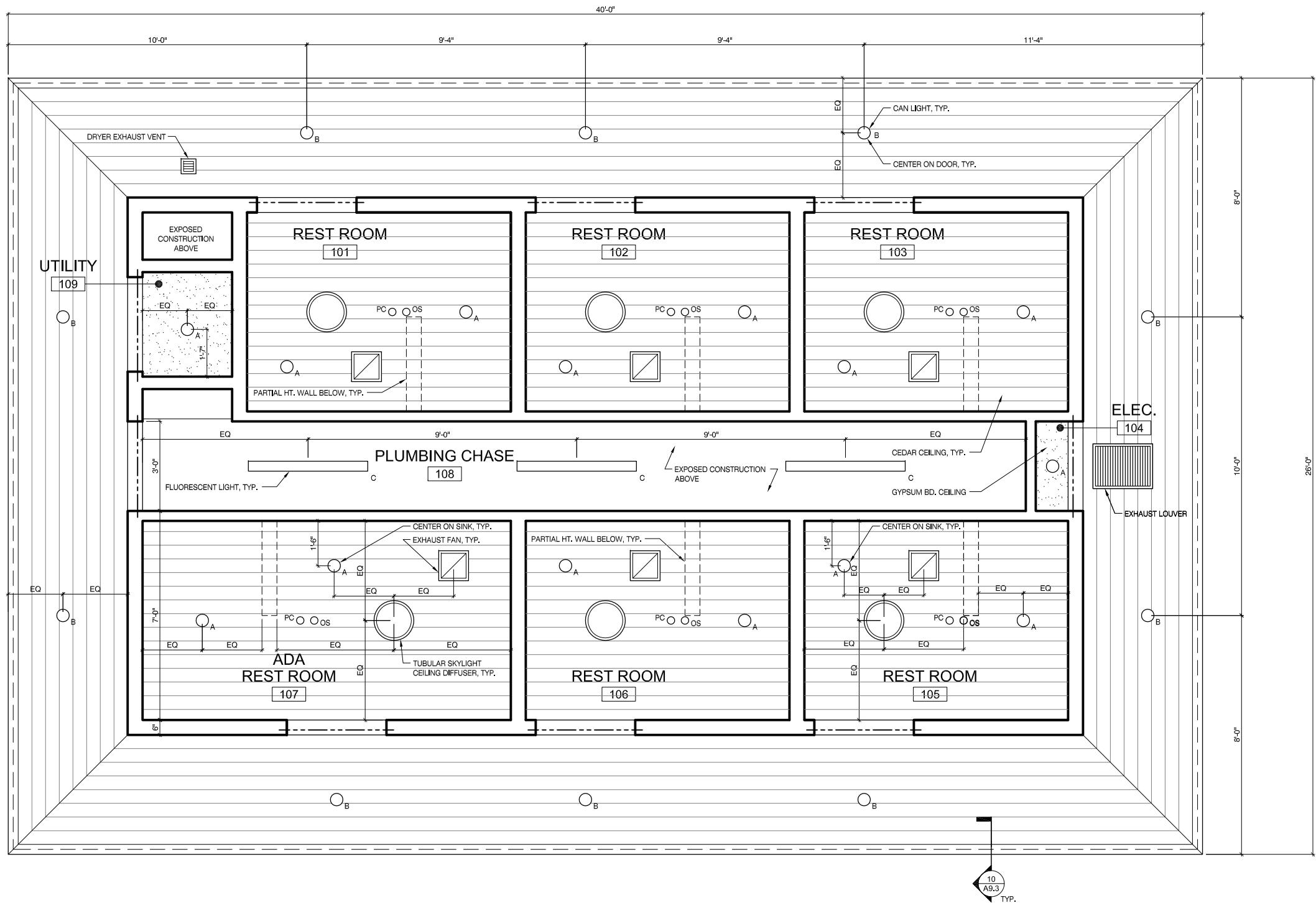
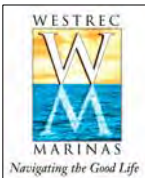


**1 ROOF PLAN (JACKSON HARBOR)**

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



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1 REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

- GENERAL NOTES
- ALL CEILING FIXTURES AND DEVICES TO BE CENTERED IN CEILING AND ALIGNED WITH ARCHITECTURAL ELEMENTS UNLESS NOTED OTHERWISE
  - RECESSED FIXTURES IN SHOWERS TO BE VAPOR PROOF
  - PROVIDE ACCESS PANELS IN CEILING AND WALLS AS REQUIRED. SEE MECHANICAL DRAWINGS AND SPECS FOR MORE INFORMATION. OBTAIN APPROVAL OF LOCATIONS AND COLORS WITH OWNER/ARCHITECT AT ACCESS PANEL PRE-INSTALLATION CONFERENCE.

LEGEND	
	CEDAR CEILING
	GYPSUM BOARD CEILING
PC	PHOTO CELL
OS	OCCUPANCY SENSOR

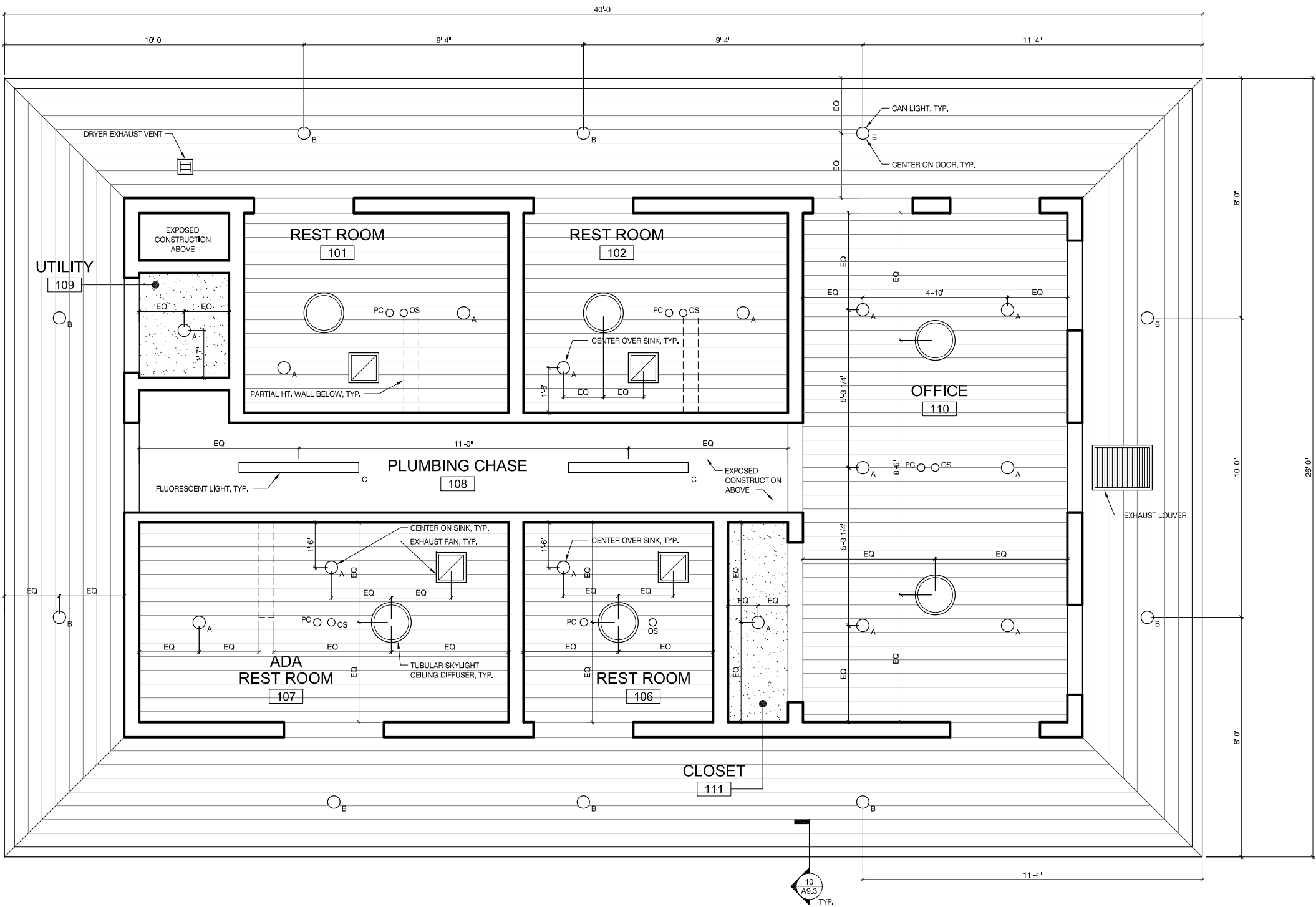
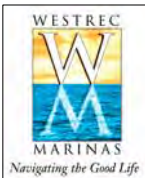
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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT  
**WESTREC FLOATING WASHROOMS**

SHEET TITLE	
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CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

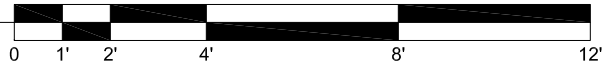


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# 1 REFLECTED CEILING PLAN (JACKSON HARBOR)

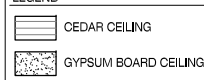
SCALE: 1/4" = 1'-0"



## GENERAL NOTES

- ALL CEILING FIXTURES AND DEVICES TO BE CENTERED IN CEILING AND ALIGNED WITH ARCHITECTURAL ELEMENTS UNLESS NOTED OTHERWISE
- RECESSED FIXTURES IN SHOWERS TO BE VAPOR PROOF
- PROVIDE ACCESS PANELS IN CEILING AND WALLS AS REQUIRED. SEE MECHANICAL DRAWINGS AND SPECS FOR MORE INFORMATION. OBTAIN APPROVAL OF LOCATIONS AND COLORS WITH OWNER/ARCHITECT AT ACCESS PANEL PRE-INSTALLATION CONFERENCE.

## LEGEND



PC PHOTO CELL  
OS OCCUPANCY SENSOR

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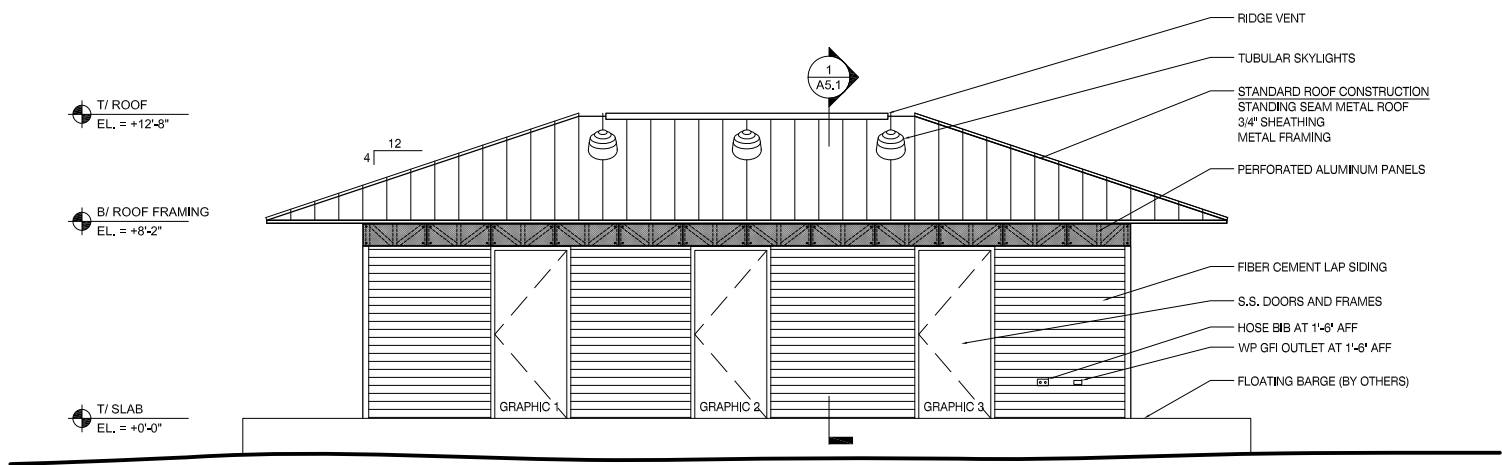
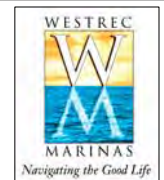
**WESTREC FLOATING  
WASHROOMS**

## SHEET TITLE

**REFLECTED CEILING  
PLAN (JACKSON)**

DRAWN: NAP  
CHECKED: TS  
APPROVED: TS  
JOB NO. 10.09.10

SHEET NO.  
**A2.1 J**

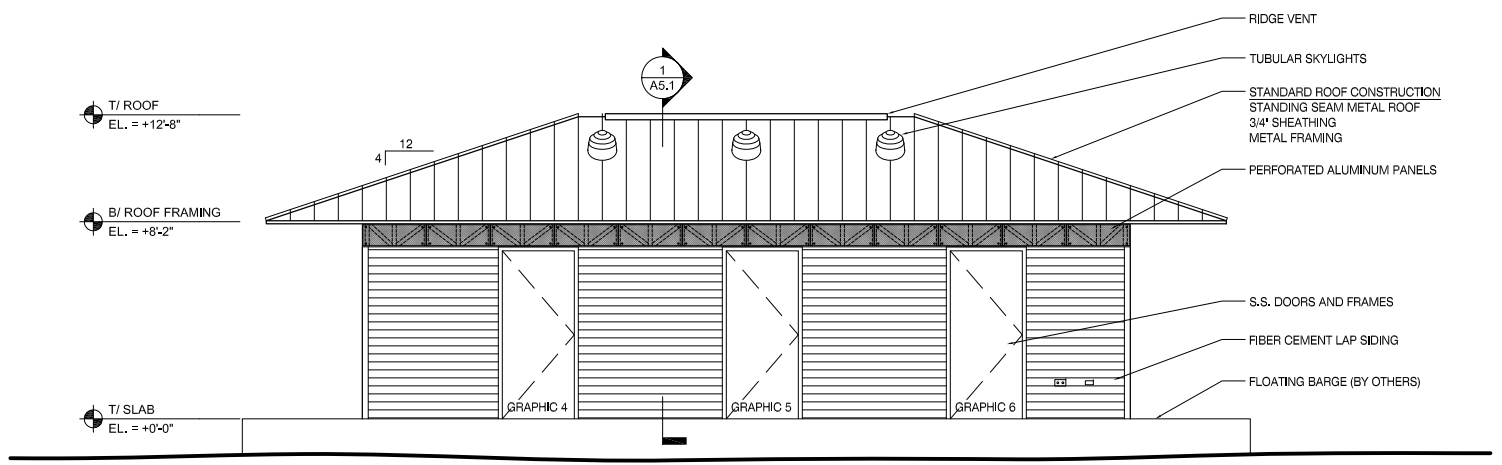


1

SIDE ELEVATION

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

0 2' 4' 8' 16' 24'

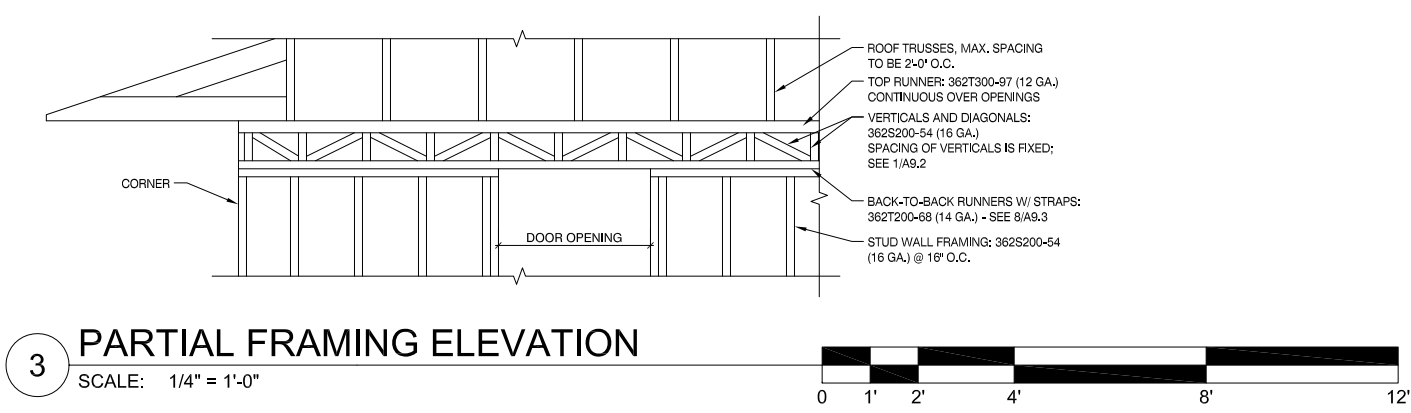


2

SIDE ELEVATION

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

0 2' 4' 8' 16' 24'

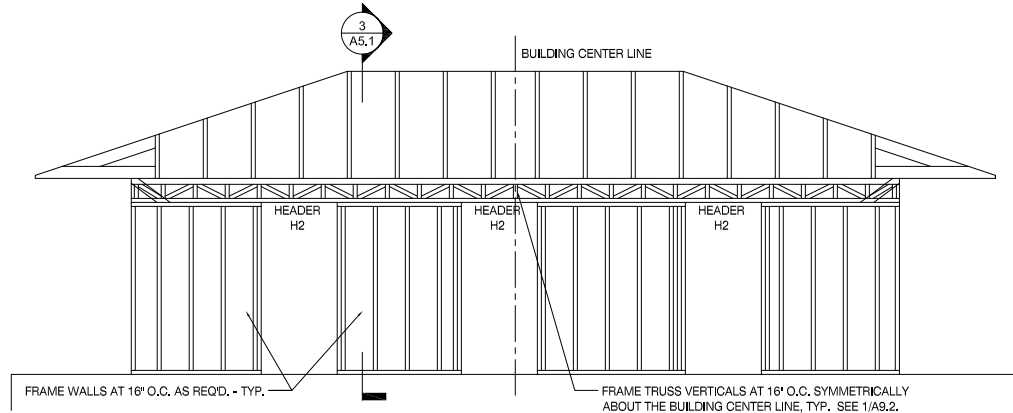


3

PARTIAL FRAMING ELEVATION

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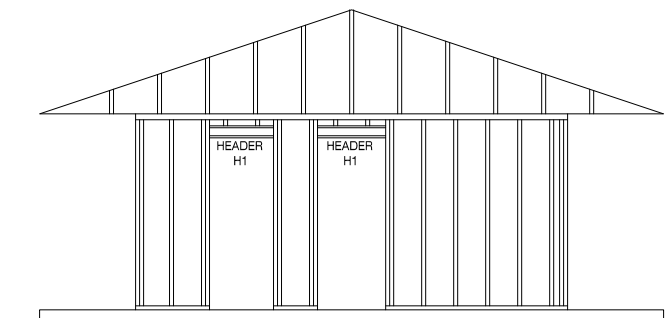
0 1' 2' 4' 8' 12'



4

FRAMING ELEVATION - TYPICAL LONG WALL

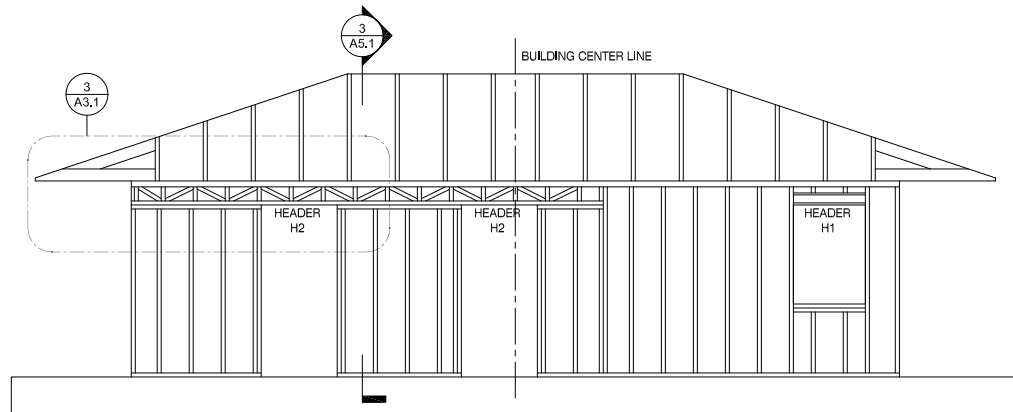
SCALE: 1/8" = 1'-0"



5

FRAMING ELEVATION - TYPICAL SHORT WALL

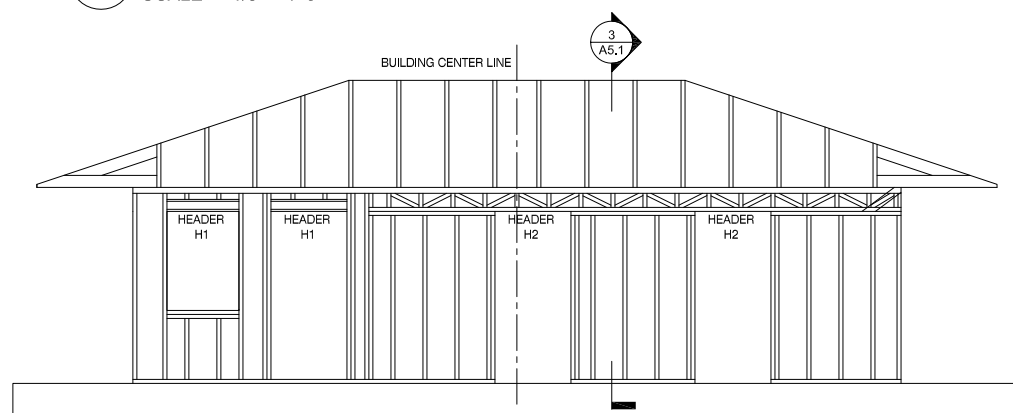
SCALE: 1/8" = 1'-0"



6

FRAMING ELEVATION - JACKSON

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



7

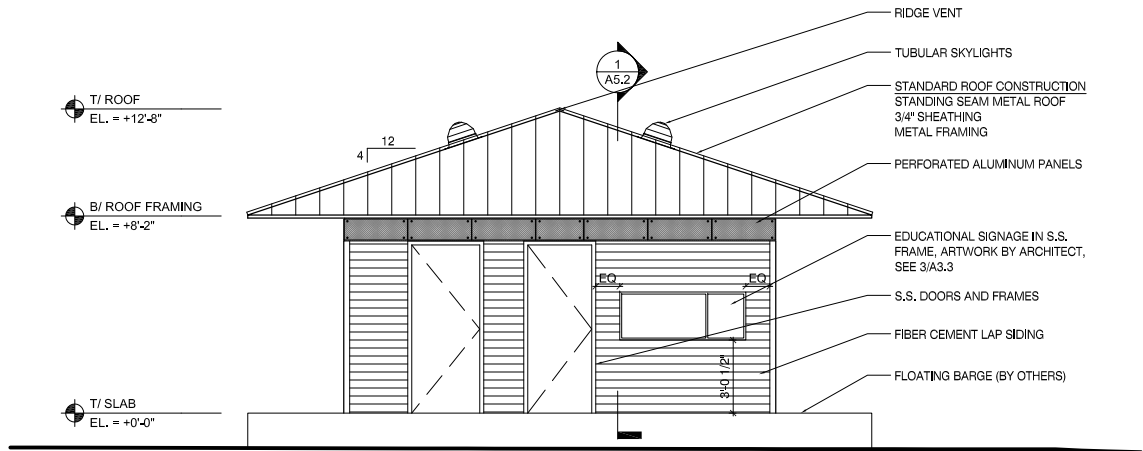
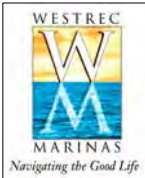
FRAMING ELEVATION - JACKSON

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

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PROJECT		
WESTREC FLOATING WASHROOMS		
SHEET TITLE		
ELEVATIONS		
DRAWN: NAP		SHEET NO.  <b>A3.1</b>
CHECKED: TS		
APPROVED: TS		
JOB NO. 10.09.10		

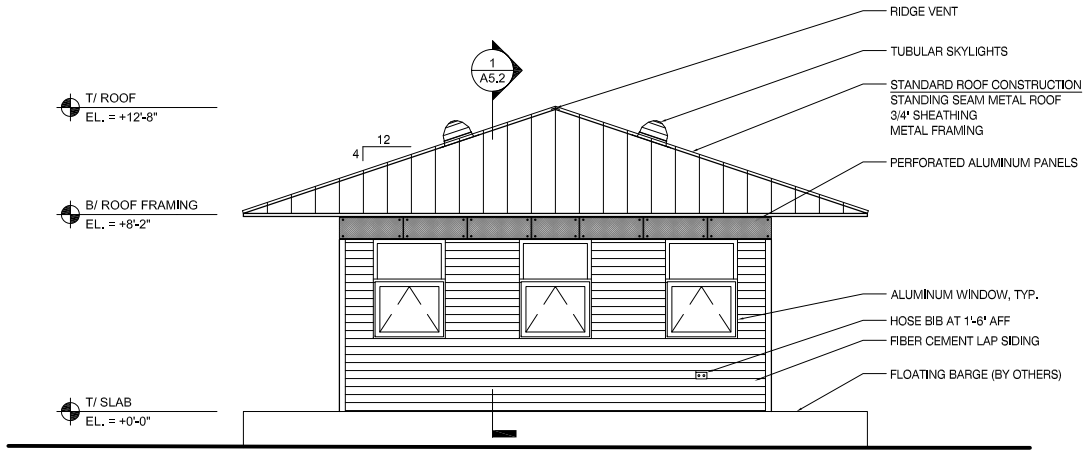
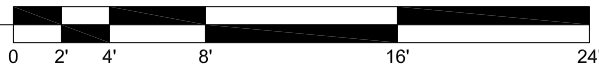


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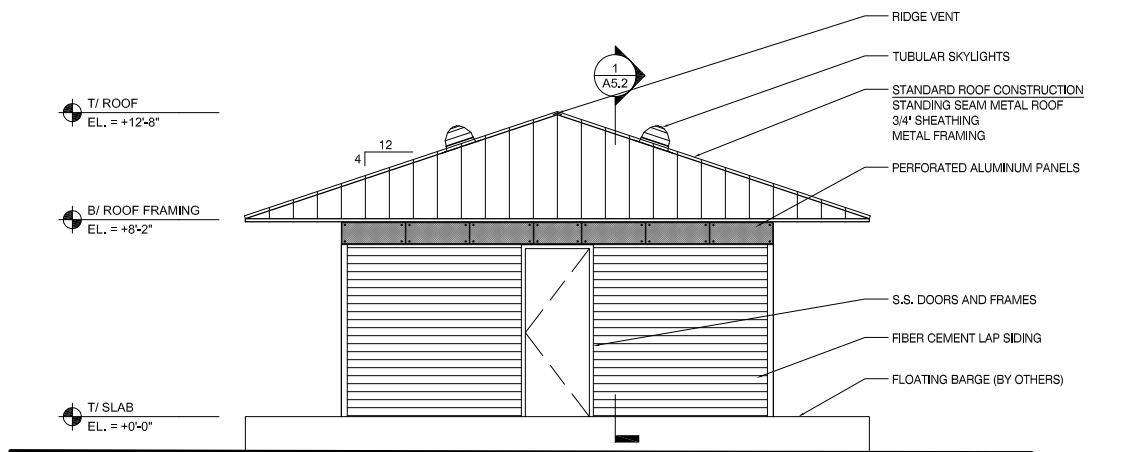
## 1 FRONT ELEVATION

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



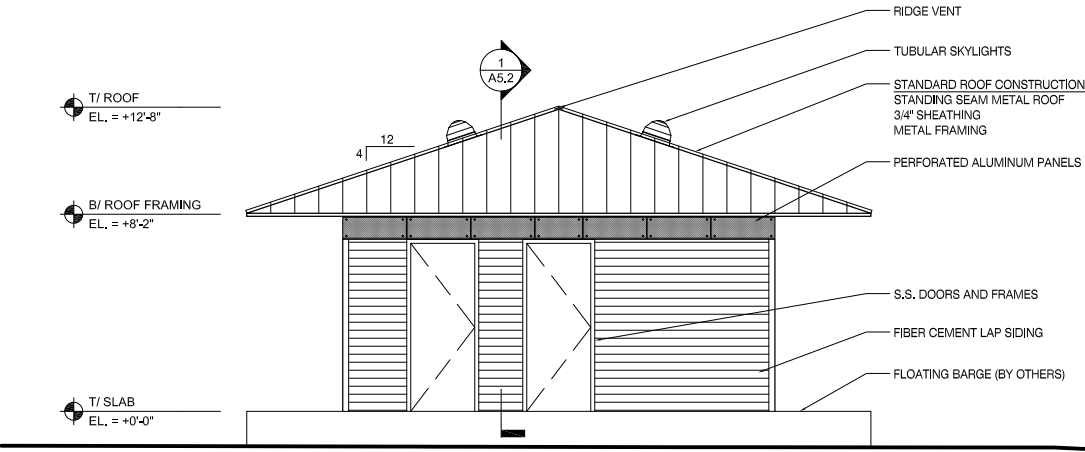
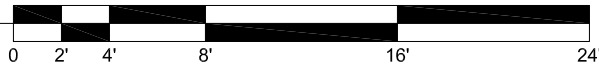
## 3 FRONT ELEVATION - JACKSON

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



## 2 REAR ELEVATION

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



## 4 REAR ELEVATION - JACKSON

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



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PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**ELEVATIONS**

DRAWN: NAP

CHECKED: TS

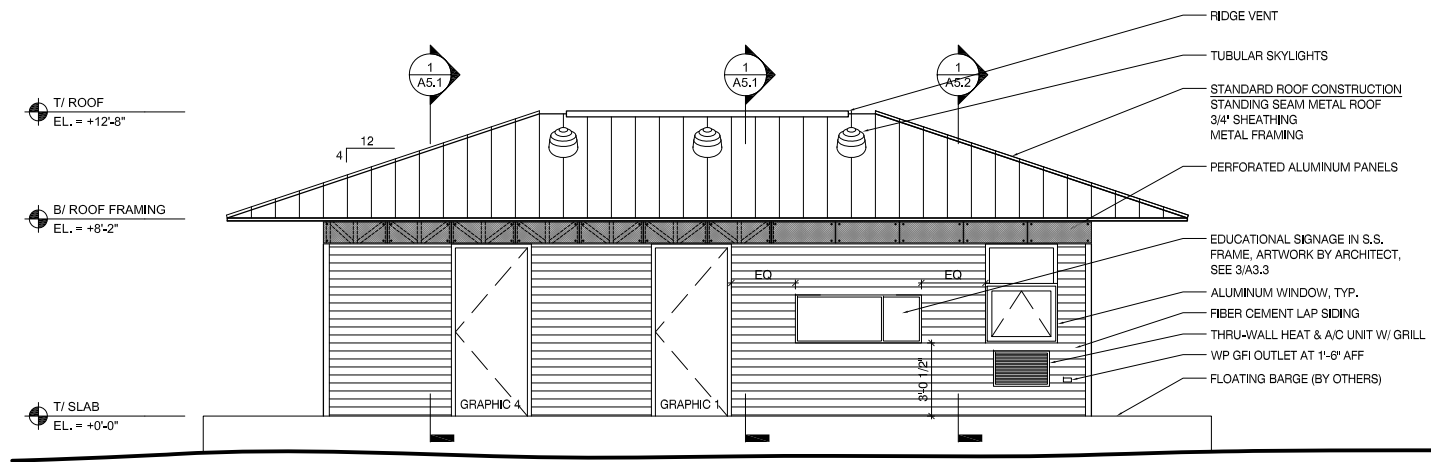
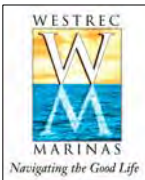
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JOB NO. 10.09.10

SHEET NO.

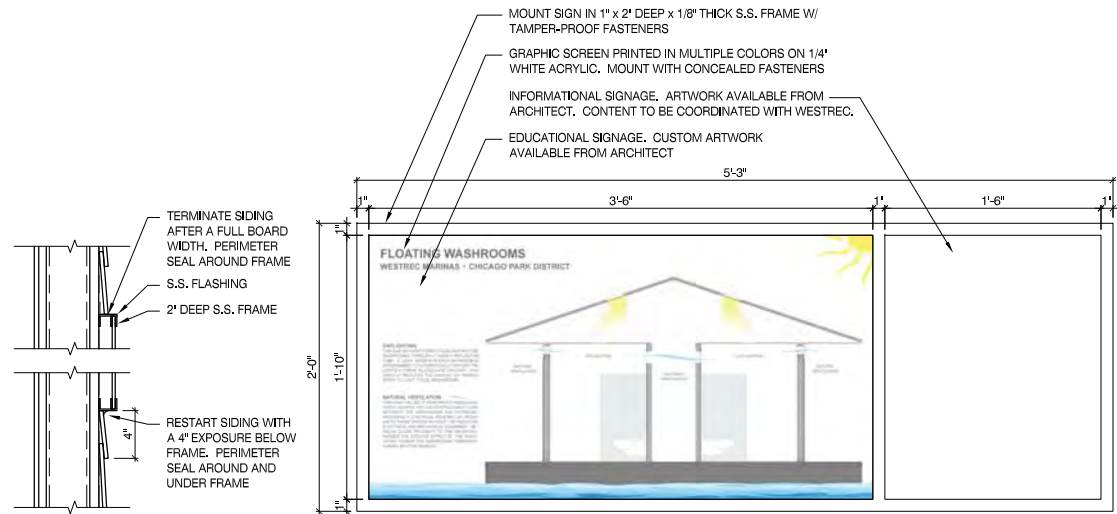
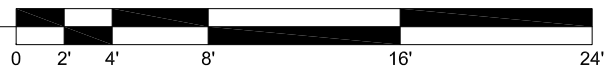
**A3.2**

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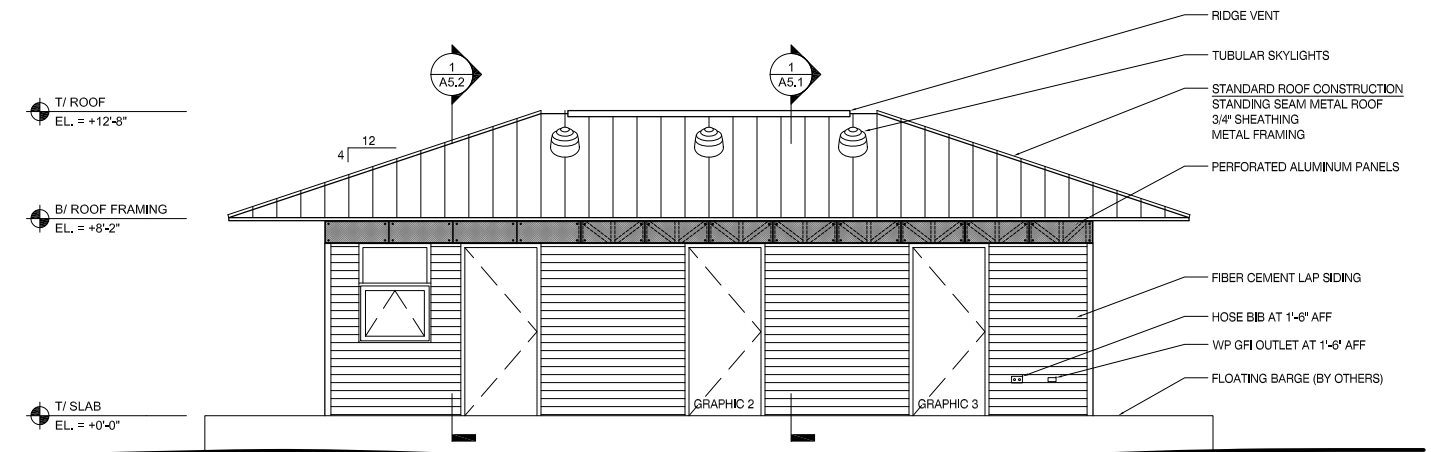
## 1 SIDE ELEVATION - JACKSON

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



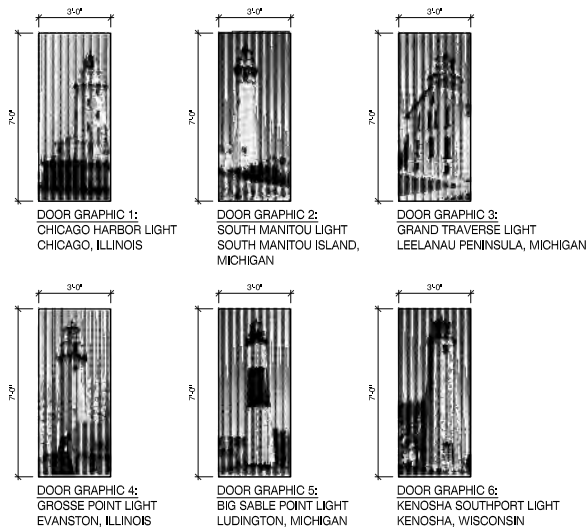
## 3 SIGN DETAILS

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



## 2 SIDE ELEVATION - JACKSON

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



DOOR GRAPHICS NOTES:  
S.S. DOORS TO RECEIVE LITHOGRAPHIC PHYSICAL ETCHING ON EXTERIOR SIDE OF DOOR. SEE ELEVATIONS FOR LOCATIONS. ARTWORK AVAILABLE FROM ARCHITECT IN VECTOR FORMAT DURING CONSTRUCTION. GRAPHIC TO BE POSITIVE ETCH TO MATCH ARCHITECT'S APPROVED SAMPLE FROM FORMS+SURFACES.

MANUFACTURER RECOMMENDED CLEANING INSTRUCTIONS:  
FINGERPRINTS AND SMUDGES CAN BE REMOVED USING A NON-CHLORINATED SPRAY CLEANER/DEGREASER SUCH AS SIMPLE GREEN® AND A MICROFIBER CLOTH. DO NOT USE HARSH ABRASIVES, ACIDS OR CHLORINE-BASED CLEANERS OR CLEANING TOOLS CONTAINING CARBON STEEL, SUCH AS STEEL WOOL OR WIRE BRUSHES. HEAVIER SOILING OR SUPERFICIAL DISCOLORATION CAN BE REMOVED USING A PASTE OF BAKING SODA ON A DAMP SPONGE OR SCOTCH-BRITE® LIGHT DUTY CLEANING PAD. RUB THE SURFACE GENTLY AND EVENLY AND THEN RINSE WITH FRESH WATER. DRY WITH A SOFT CLOTH. STAINLESS STEEL'S BRIGHT APPEARANCE CAN BE MAINTAINED BY OCCASIONAL POLISHING WITH A SOFT CLOTH DIPPED IN COMMON HOUSEHOLD WHITE VINEGAR. COMMERCIAL PRODUCTS SPECIFICALLY FORMULATED FOR STAINLESS STEEL SUCH AS 3M™ STAINLESS STEEL CLEANER AND POLISH MAY ALSO BE USED.

FOR MORE INFORMATION CONTACT FORMS+SURFACES OR VISIT WWW.FORMS-SURFACES.COM

## 4 DOOR GRAPHICS

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

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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

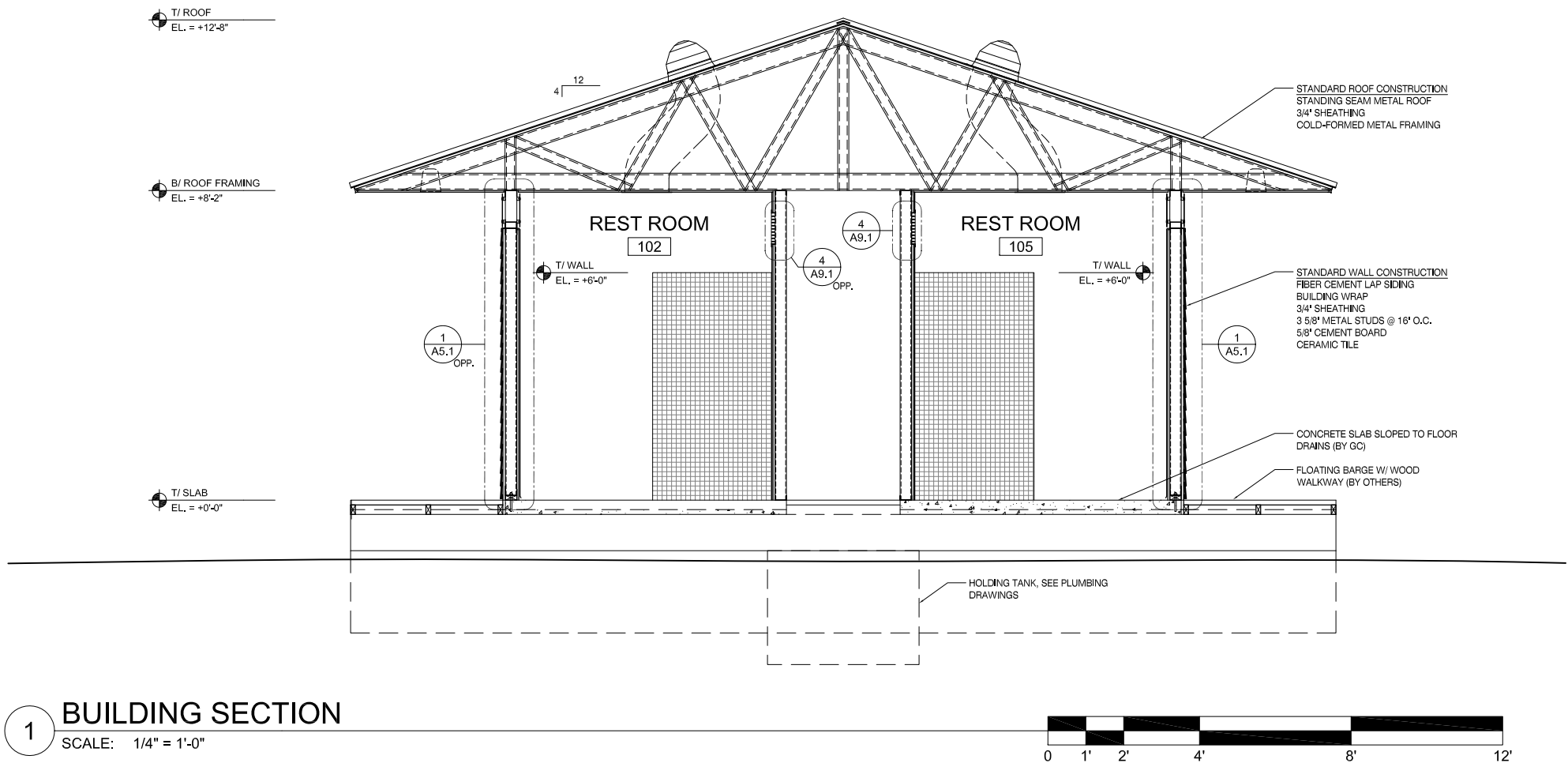
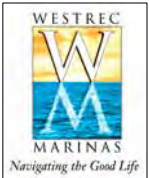
### PROJECT

### WESTREC FLOATING WASHROOMS

### SHEET TITLE

### ELEVATIONS

DRAWN: NAP	SHEET NO.
CHECKED: TS	A3.3
APPROVED: TS	
JOB NO. 10.09.10	



5	07/18/2011	ISSUE FOR BID
4	07/01/2011	100% DESIGN SUBMITTAL
3	06/06/2011	90% DESIGN / ISSUE FOR PERMIT
2	02/04/2011	30% DESIGN SUBMITTAL
1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**BUILDING SECTION**

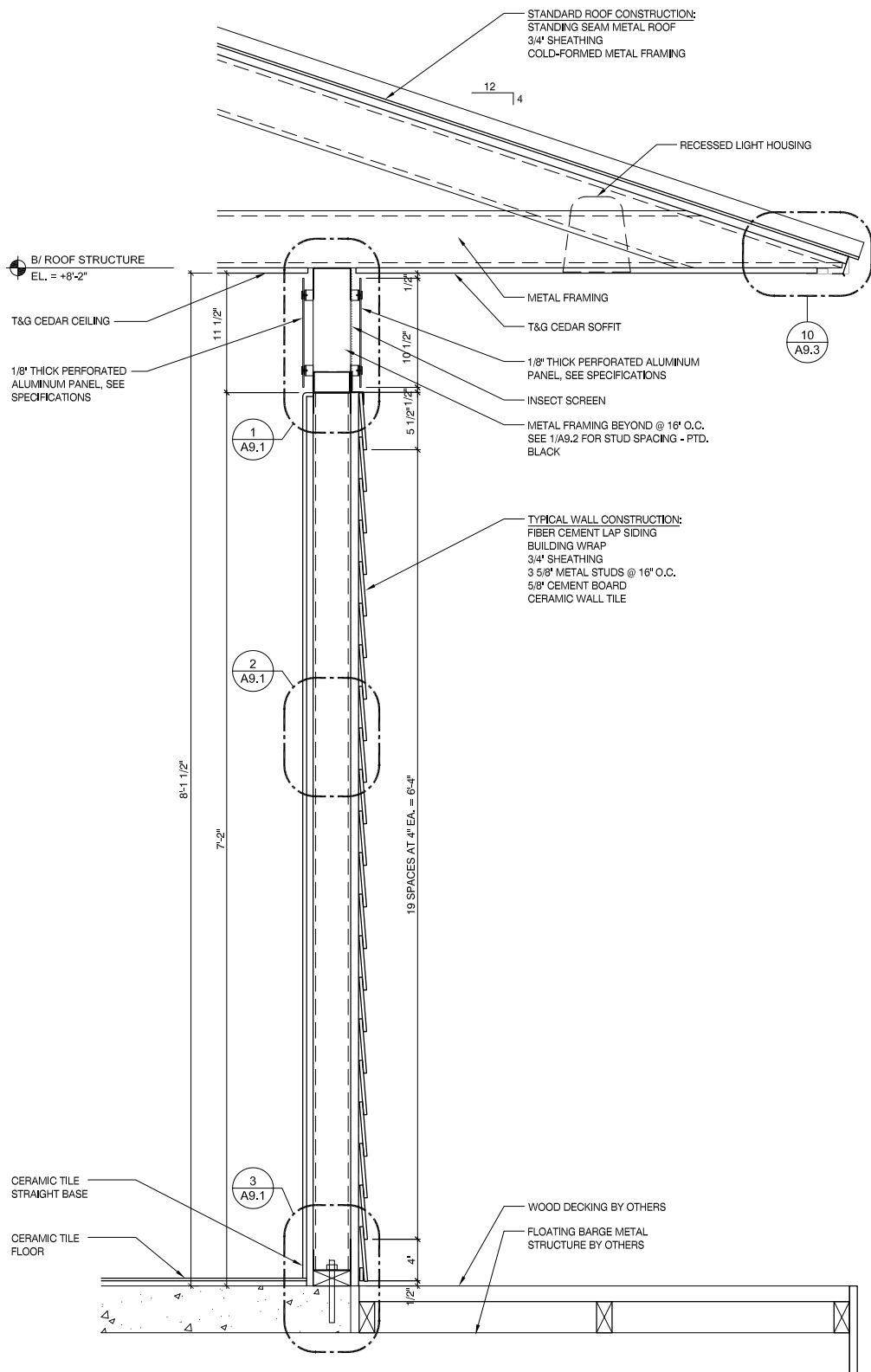
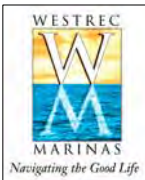
DRAWN: NAP  
CHECKED: TS  
APPROVED: TS  
JOB NO. 10.09.10

SHEET NO.

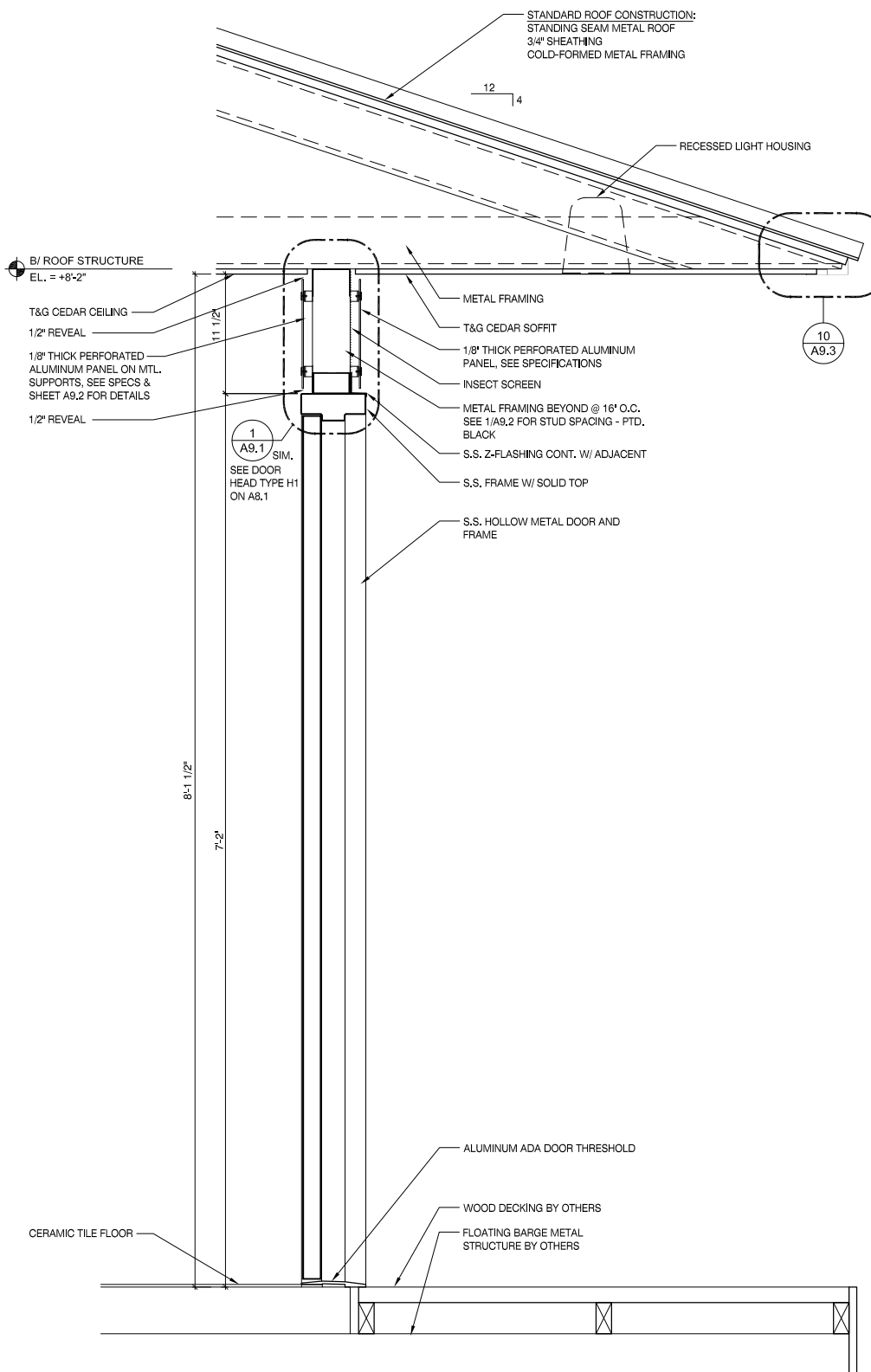
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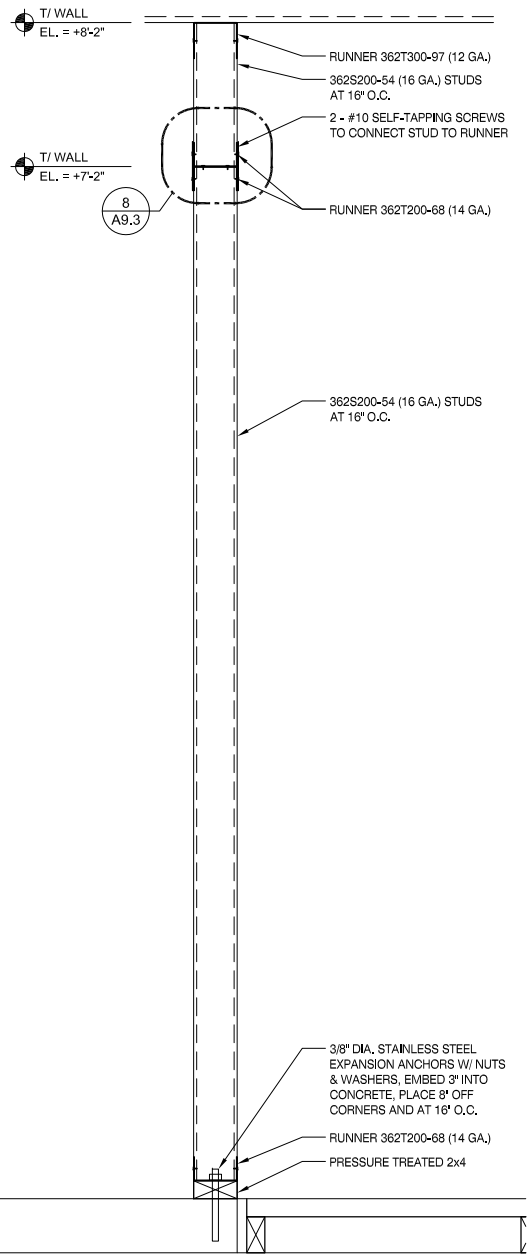
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1 WALL SECTION  
SCALE: 3/4" = 1'-0"



2 WALL SECTION  
SCALE: 3/4" = 1'-0"



3 TYPICAL EXT. WALL FRAMING  
SCALE: 3/4" = 1'-0"

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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

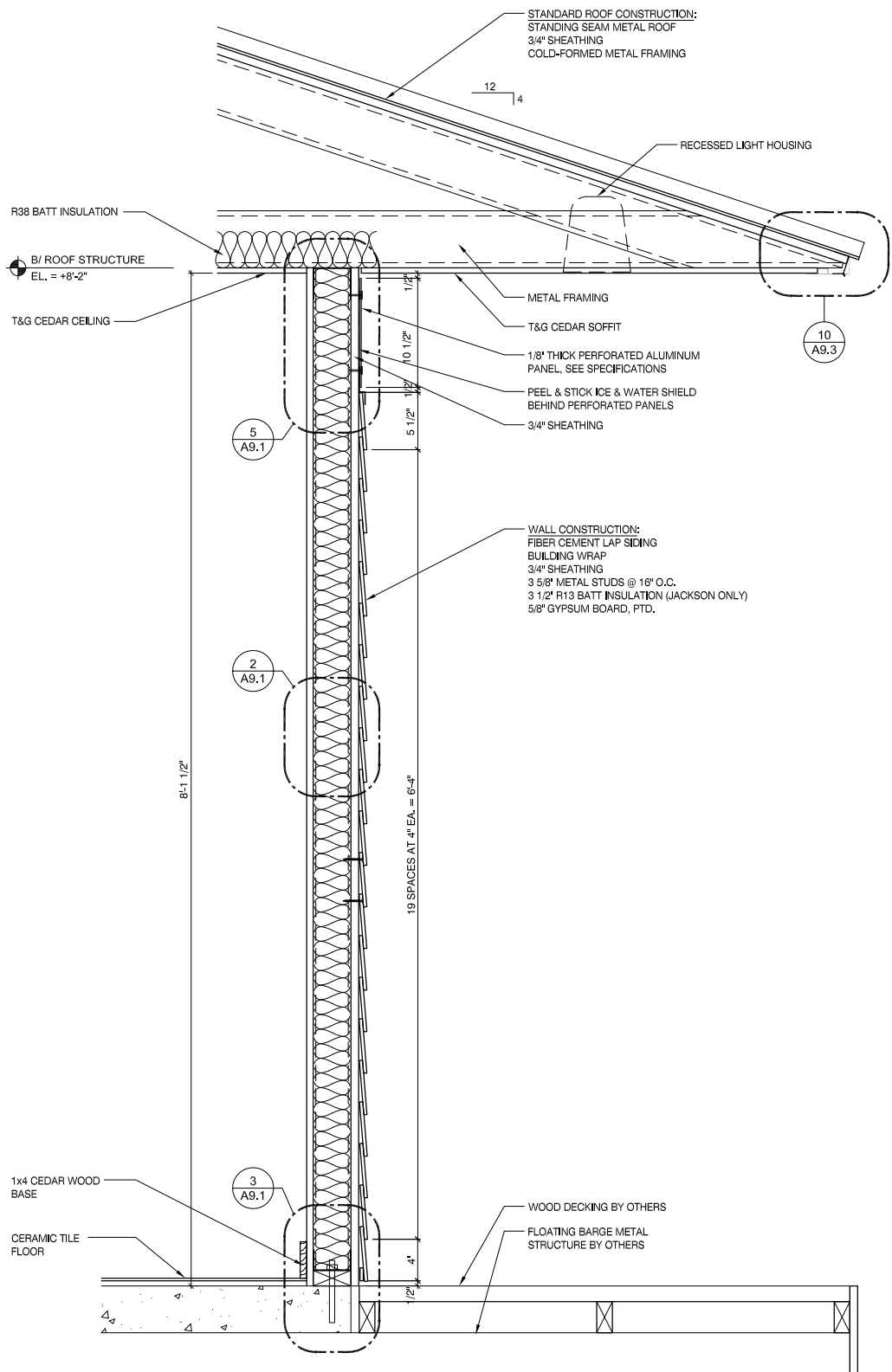
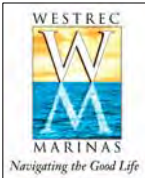
PROJECT  
**WESTREC FLOATING WASHROOMS**

SHEET TITLE  
**WALL SECTIONS**

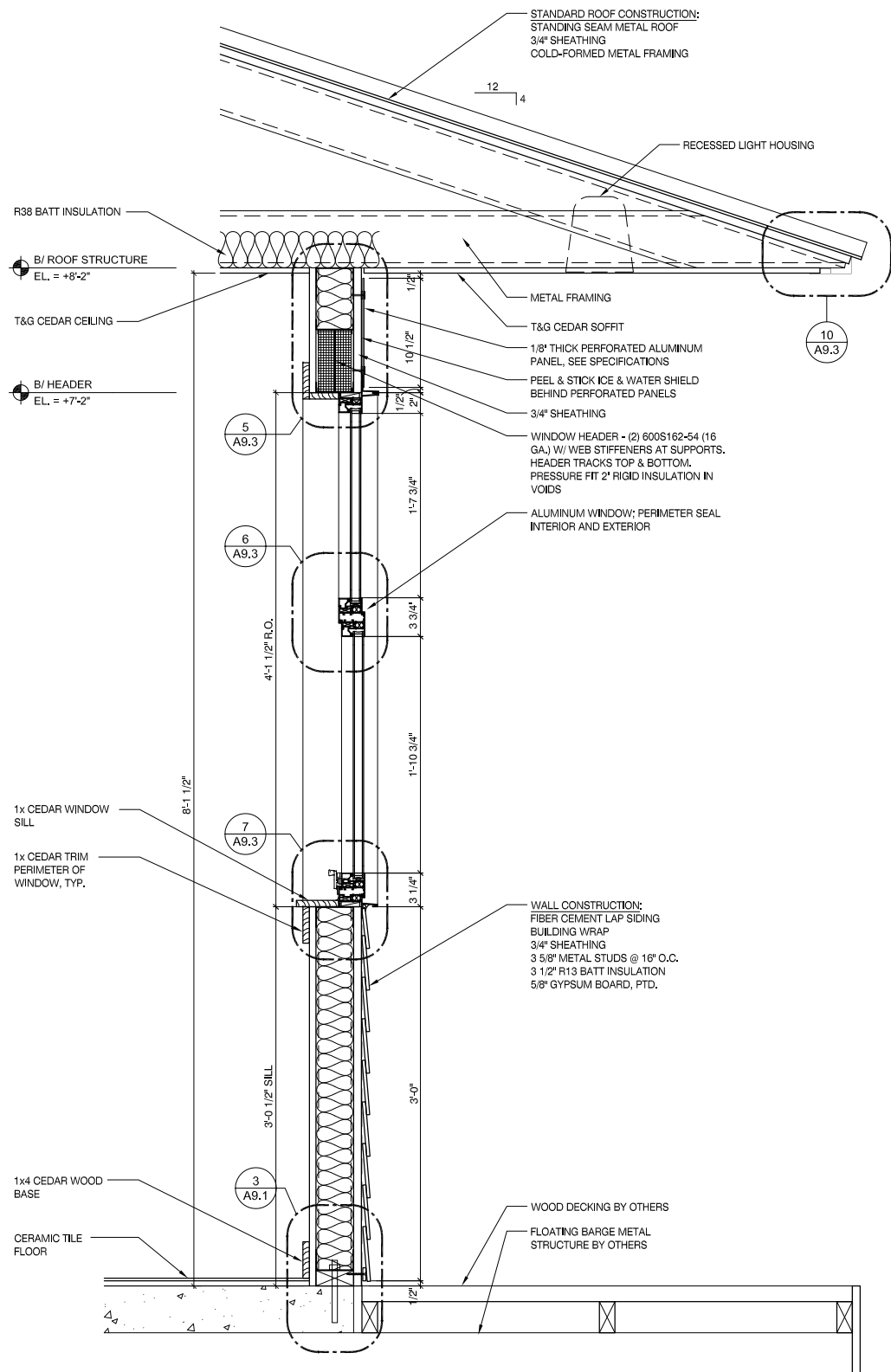
DRAWN: NAP  
CHECKED: TS  
APPROVED: TS  
JOB NO. 10.09.10

SHEET NO.  
**A5.1**

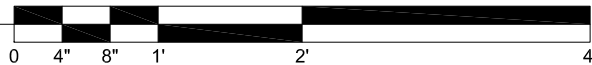
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1 WALL SECTION  
SCALE: 3/4" = 1'-0"



2 WALL SECTION  
SCALE: 3/4" = 1'-0"



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2	02/04/2011	30% DESIGN SUBMITTAL
1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**WALL SECTIONS**

DRAWN: NAP

CHECKED: TS

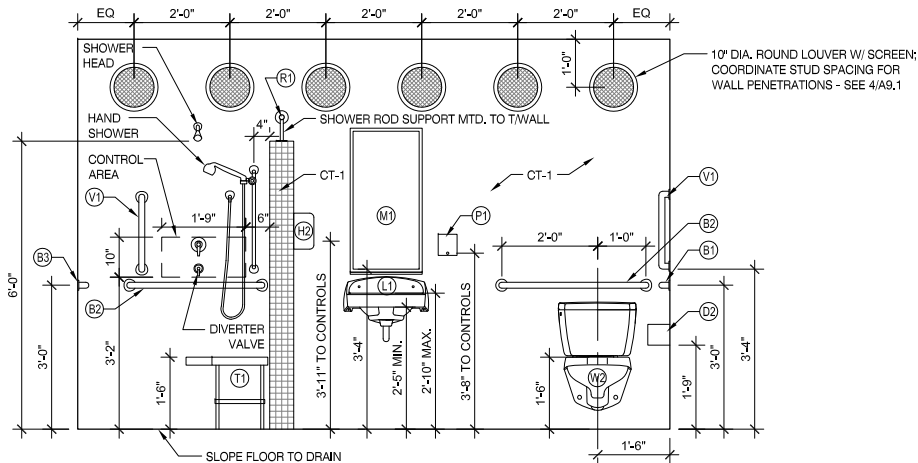
APPROVED: TS

JOB NO. 10.09.10

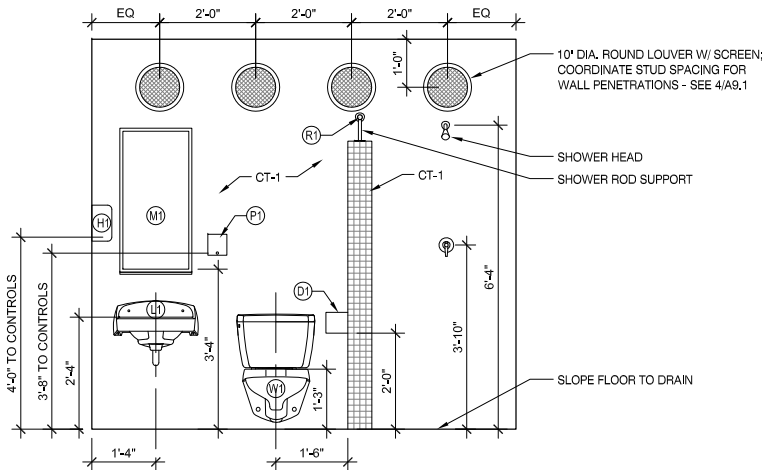
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**A5.2**

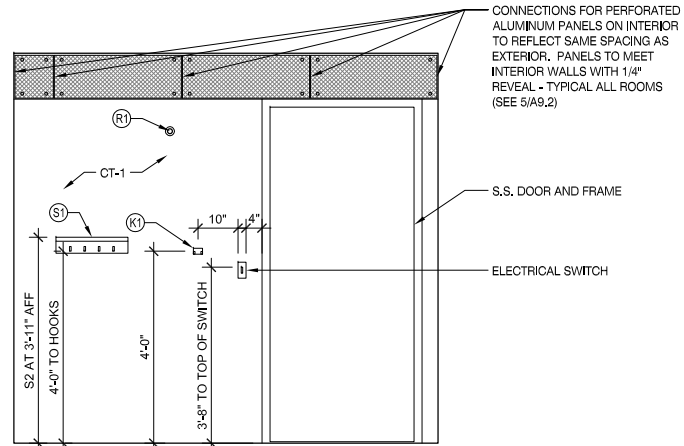
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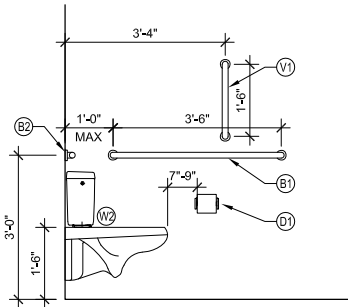
1 ADA RESTROOM ELEVATION  
SCALE: 1/4" = 1'-0"



2 TYPICAL RESTROOM ELEVATION  
SCALE: 1/4" = 1'-0"



3 TYPICAL RESTROOM ELEVATION  
SCALE: 1/4" = 1'-0"



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

ACCESSORY	MOUNTING	ACCESSORY	MOUNTING
(B1) 42" HORIZONTAL GRAB BAR	MOUNT AT 3'-0" AFF TO CL OF BAR	(V1) 18" VERTICAL GRAB BAR	MOUNT 4" ABOVE HORIZ. BAR
(B2) 36" HORIZONTAL GRAB BAR	MOUNT AT 3'-0" AFF TO CL OF BAR	(P1) SOAP DISPENSOR	MOUNT AT 3'-8" AFF TO CONTROLS
(B3) 42" OR 48" HORIZ. GRAB BAR	MOUNT AT 3'-0" AFF TO CL OF BAR	(S1) 18" SHELF WITH HOOKS	MOUNT AT 4'-0" AFF TO HOOKS
(C1) BABY CHANGING STATION	MOUNT AT 4'-0" AFF TO HANDLE	(S2) 18" SHELF WITH HOOKS	MOUNT AT 3'-11" AFF TO SHELF
(D1) TOILET PAPER DISPENSOR	MOUNT AT 2'-0" AFF TO PAPER OUTLET	(W1) TYPICAL WATER CLOSET	MOUNT SEAT HEIGHT AT 1'-3" AFF CENTERLINE OF TOILET 1'-6"
(D2) TOILET PAPER DISPENSOR	MOUNT AT 1'-9" AFF TO PAPER OUTLET MIN. 1 1/2" CLEAR OF GRAB BAR	(W2) ADULT ADA WATER CLOSET	MOUNT SEAT HEIGHT AT 1'-6" AFF CENTERLINE OF TOILET 1'-6"
(H1) ELECTRIC HAND DRYER	MOUNT AT 4'-0" AFF TO CONTROLS	(L1) TYPICAL LAVATORY	MOUNT AT 2'-7" AFF RIM HEIGHT
(H2) ELECTRIC HAND DRYER	MOUNT AT 3'-4" AFF TO CONTROLS	(L2) ADULT ADA LAVATORY	MOUNT AT 2'-10" AFF MAX. RIM HEIGHT. 2'-5" MIN. KNEE SPACE.
(K1) DOUBLE TOWEL HOOK	MOUNT AT 4'-0" AFF	(R1) CURTAIN ROD OR 1 1/4" O.D. CHROME-PLATED PIPE W/ WALL MOUNTS	MOUNT AT 6'-6" AFF TO CENTERLINE OF ROD
(M1) MIRROR W/ SHELF	MOUNT AT 3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE		
(T1) ADA SHOWER SEAT	MOUNT AT 1'-6" AFF TO TOP OF SEAT		

Finish Legend		
Symbol	Material	Description
Floor		
CT-2	Ceramic Tile	2"x2" tile; Basis of Design: Daltile #D202 "Uptown Taupe Speckle"
CT-3	Ceramic Tile	6.5"x20" tile; Basis of Design: Daltile #CN94 "Eastside Brown"
CONC	Concrete	Smooth finish
Wall		
CT-1	Ceramic Tile	2"x2" tile; Basis of Design: Daltile #D161 "Urban Putty"
PT-1	Paint	Basis of Design: Benjamin Moore "White Dove"
PT-2	Paint	Basis of Design: Benjamin Moore #2125-10 "Black Panther"
Base		
WOOD	Wood	4" Cedar
VINYL	Vinyl Base	4" base; Basis of Design: Armstrong #15 "Zinc"
Exterior		
SIDING	Fiber Cement Bd	4" exposure; Basis of Design: HardiePlank "Cobble Stone"
ROOF	Metal	Basis of Design: Peterson Aluminum color "Silver"

Room Finish Schedule					
Room No.	Room Name	Floor Finish	Base	Wall Finish	Ceiling Finish
101	Rest Room	CT-2	CT-1	CT-1	WOOD
102	Rest Room	CT-2	CT-1	CT-1	WOOD
103	Rest Room	CT-2	CT-1	CT-1	WOOD
104	Electrical	CONC	VINYL	GYP BD PT-1	GYP BD PT-1
105	Rest Room	CT-2	CT-1	CT-1	WOOD
106	Rest Room	CT-2	CT-1	CT-1	WOOD
107	ADA Rest Room	CT-2	CT-1	CT-1	WOOD
108	Plumbing Chase	N/A	N/A	N/A	N/A
109	Utility	CONC	VINYL	GYP BD PT-1	GYP BD PT-1
110	Office	CT-3	WOOD	GYP BD PT-1	WOOD
111	Closet	CT-3	WOOD	GYP BD PT-1	GYP BD PT-1

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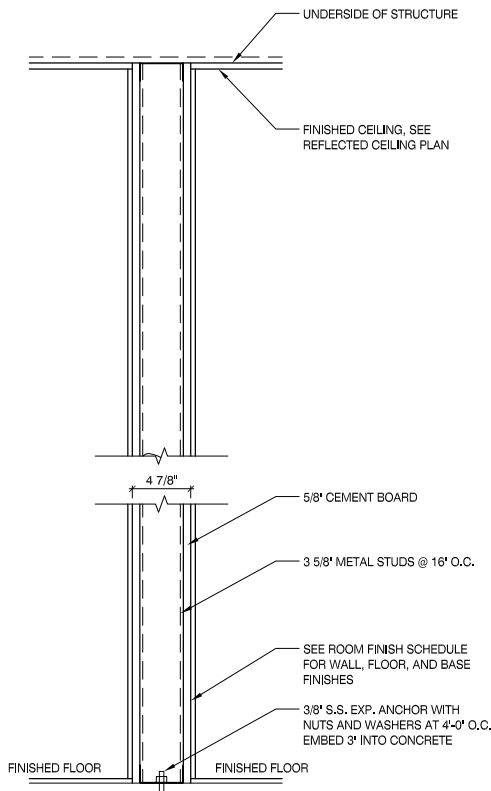
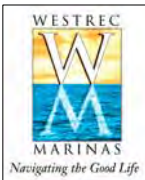
PROJECT  
**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE  
**INTERIOR ELEVATIONS**

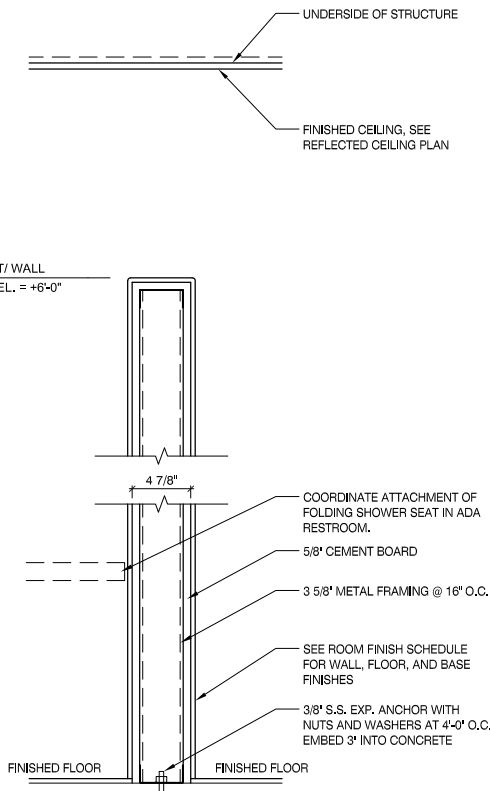
DRAWN: NAP	SHEET NO. <b>A6.1</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10,09,10	



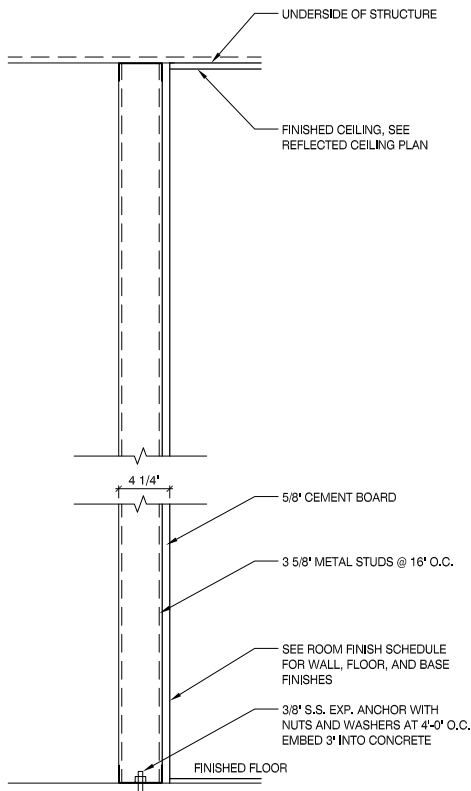
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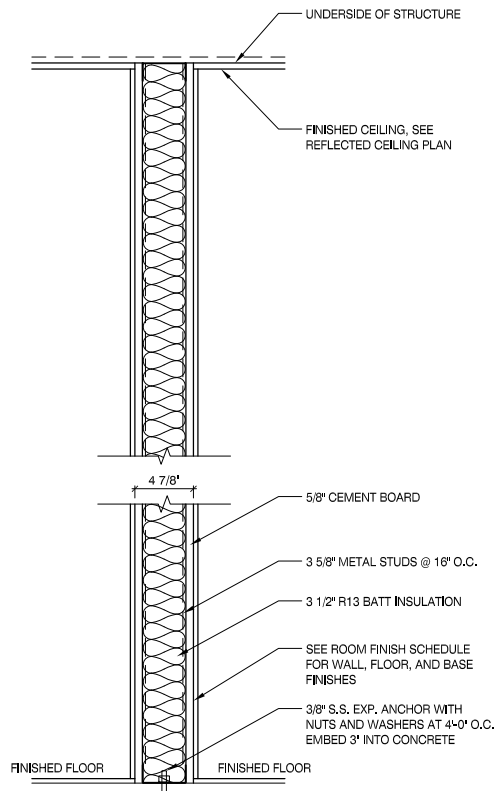
1 INTERIOR WALL  
NO RATING



2 INTERIOR WALL - PARTIAL HEIGHT  
NO RATING



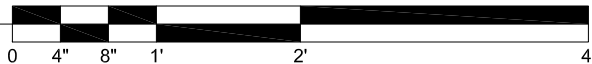
3 INTERIOR WALL - CHASE WALL  
NO RATING



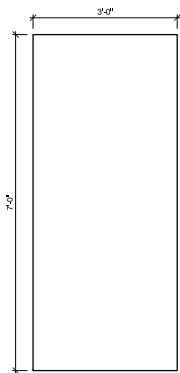
4 INTERIOR WALL  
NO RATING

## WALL PARTITION TYPES

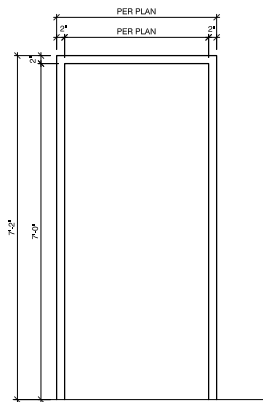
SCALE: 3/4" = 1'-0"



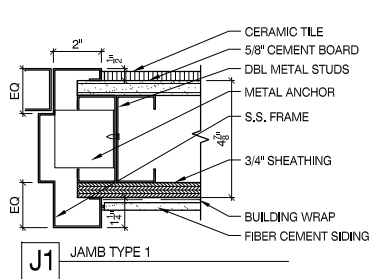
FLOOR	OPENING SCHEDULE																			GLAZING	REMARKS
	OPNG NO.	ROOM	TYPE	DOOR SIZE			DOOR DETAILS			MATL	FIN	HDWR SET	OPENING FRAME								
				WIDTH	HGT	THK	HEAD	JAMB	SLL				TYPE	MAT	FIN	WIDTH	HGT				
FIRST FLOOR	1	REST ROOM 101	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	1	1	SS	#4	3'-4"	7'-2"	-	GRAPHIC ETCHING		
	2	REST ROOM 102	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	1	1	SS	#4	3'-4"	7'-2"	-	GRAPHIC ETCHING		
	3	REST ROOM 103	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	1	1	SS	#4	3'-4"	7'-2"	-	GRAPHIC ETCHING		
	4	ELECTRICAL 104	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	3	1	SS	#4	3'-0"	7'-2"	-			
	5	REST ROOM 105	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	1	1	SS	#4	3'-4"	7'-2"	-	GRAPHIC ETCHING		
	6	REST ROOM 106	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	1	1	SS	#4	3'-4"	7'-2"	-	GRAPHIC ETCHING		
	7	ADA REST ROOM 107	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	1	1	SS	#4	3'-4"	7'-2"	-	GRAPHIC ETCHING		
	8	PLUMBING CHASE 108	1	2'-8"	7'-0"	1 3/4"	H1	J1	S2	SS	#4	3	1	SS	#4	3'-0"	7'-2"	-			
	9	UTILITY 109	1	2'-8"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	2	1	SS	#4	2'-10"	7'-2"	-			
	10	OFFICE 110	1	3'-0"	7'-0"	1 3/4"	H1	J1	S1	SS	#4	4	1	SS	#4	3'-4"	7'-2"	-			
	11	CLOSET 111	1	2 @ 2'-6"	7'-0"	1 3/4"	H2	J2	N/A	HM	PT-1	5	1	HM	PT-1	5'-4"	7'-2"	-			
	12	PLUMBING CHASE 108	1	3'-0"	7'-0"	1 3/4"	H2	J2	S1	HM	PT-1	3	1	HM	PT-1	3'-0"	7'-2"	-			



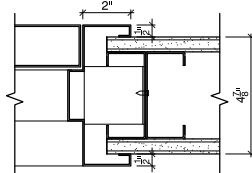
1 DOOR TYPE 1



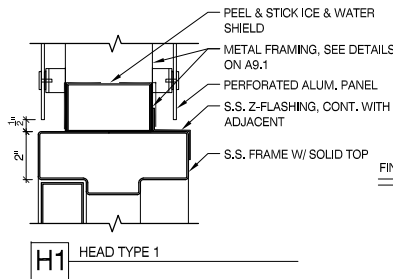
1 FRAME TYPE 1



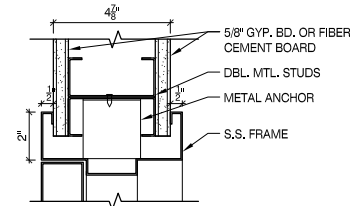
J1 JAMB TYPE 1



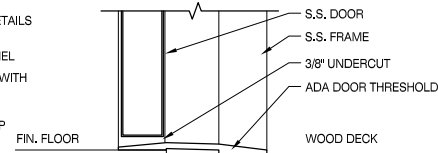
J2 JAMB TYPE 2



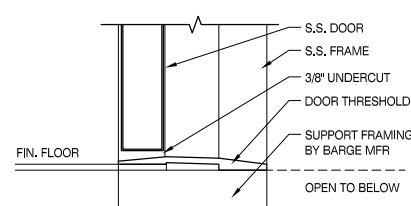
H1 HEAD TYPE 1



H2 HEAD TYPE 2



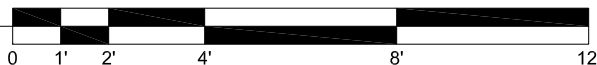
S1 SILL TYPE 1



S2 SILL TYPE 2

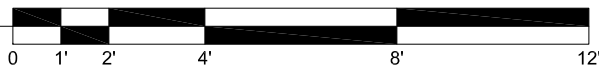
## DOOR AND FRAME TYPES

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



## DOOR DETAILS

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



5	07/18/2011	ISSUE FOR BID
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NO	DATE	ISSUED FOR

### PROJECT

**WESTREC FLOATING  
WASHROOMS**

### SHEET TITLE

**SCHEDULES & DETAILS**

DRAWN: NAP

CHECKED: TS

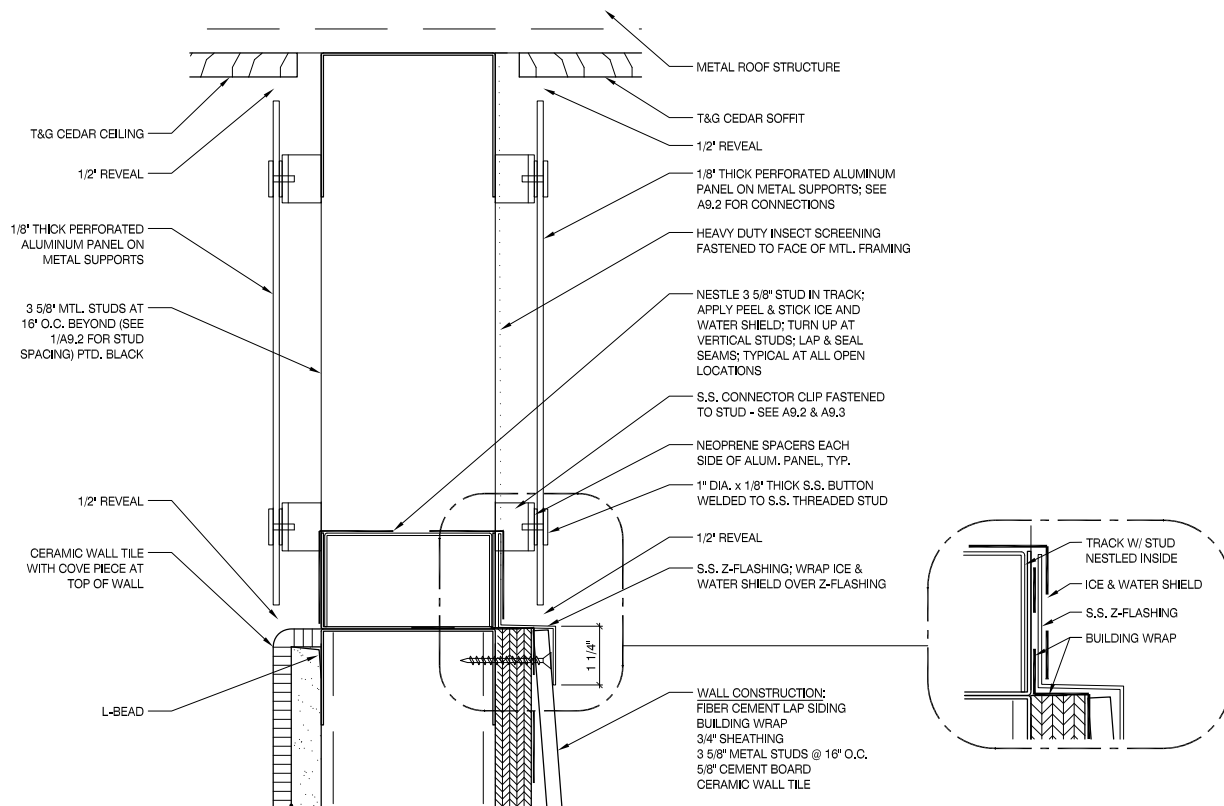
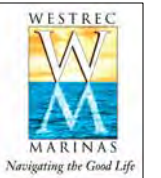
APPROVED: TS

JOB NO. 10.09.10

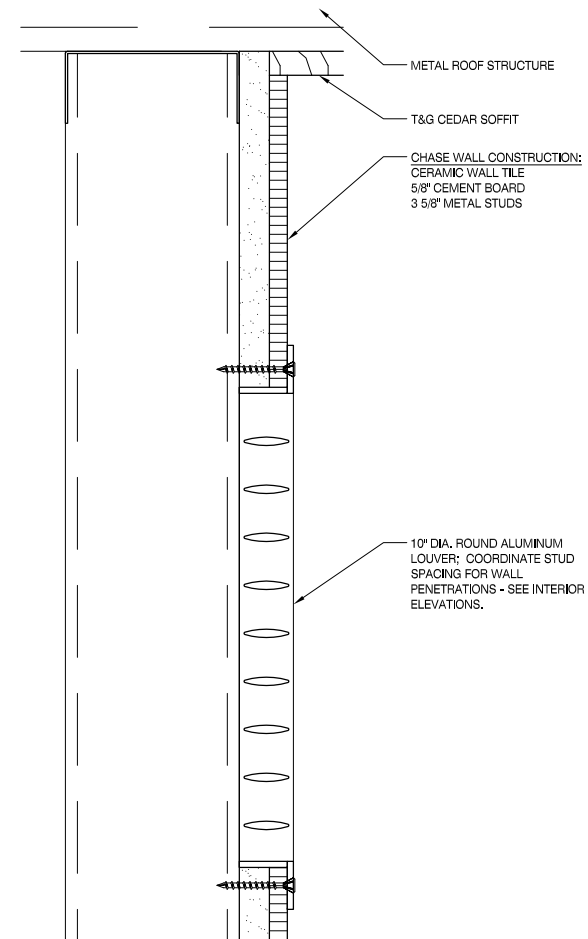
SHEET NO.

**A8.1**

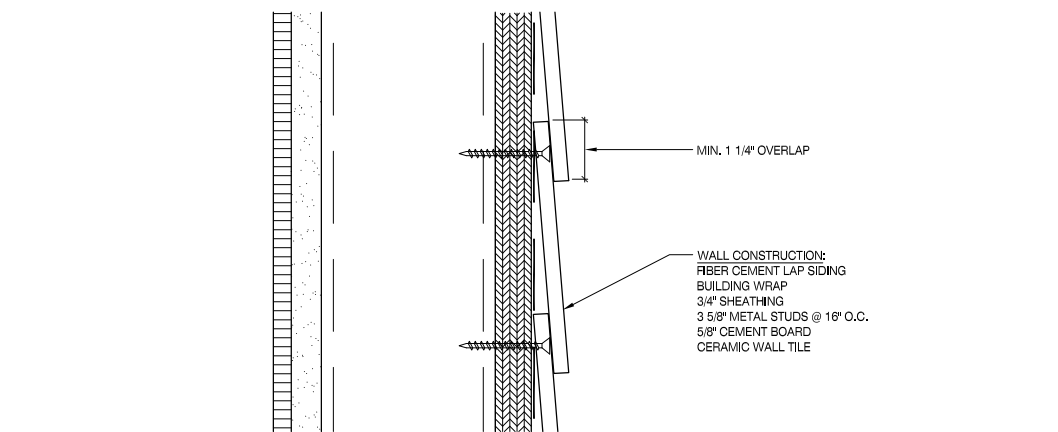
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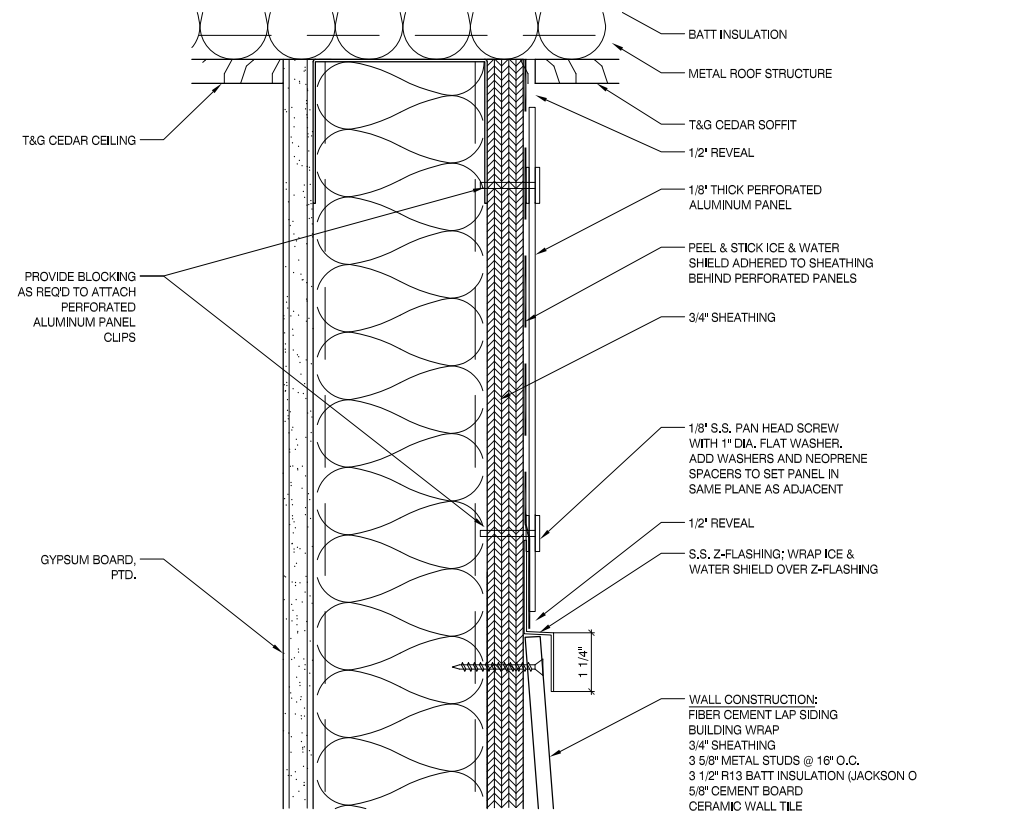
1 ENLARGED DETAIL  
SCALE: 3" = 1'-0"



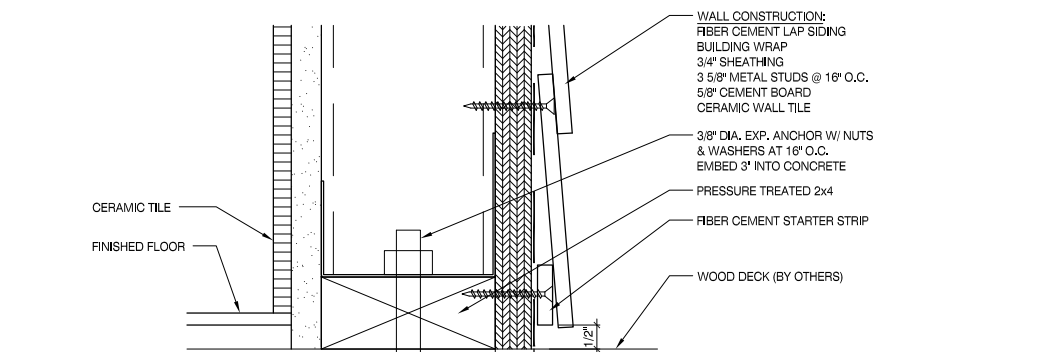
4 ENLARGED DETAIL  
SCALE: 3" = 1'-0"



2 ENLARGED DETAIL  
SCALE: 3" = 1'-0"



5 ENLARGED DETAIL  
SCALE: 3" = 1'-0"



3 ENLARGED DETAIL  
SCALE: 3" = 1'-0"

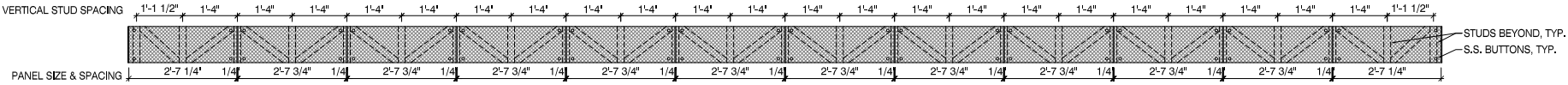
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PROJECT  
**WESTREC FLOATING  
WASHROOMS**

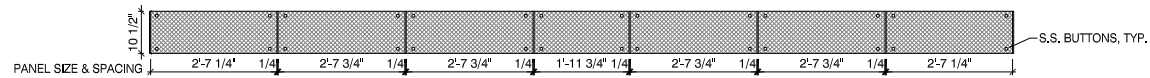
SHEET TITLE  
**ENLARGED DETAILS**

DRAWN: NAP	SHEET NO. <b>A9.1</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

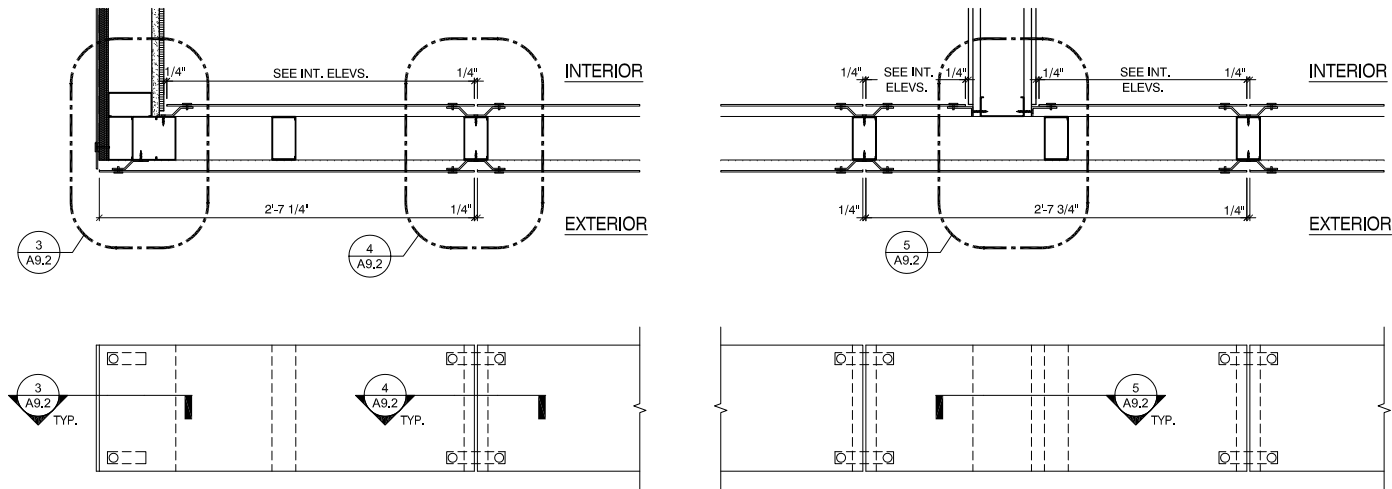
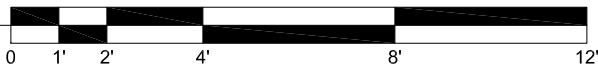
BLDG. SIDE ELEVATION:



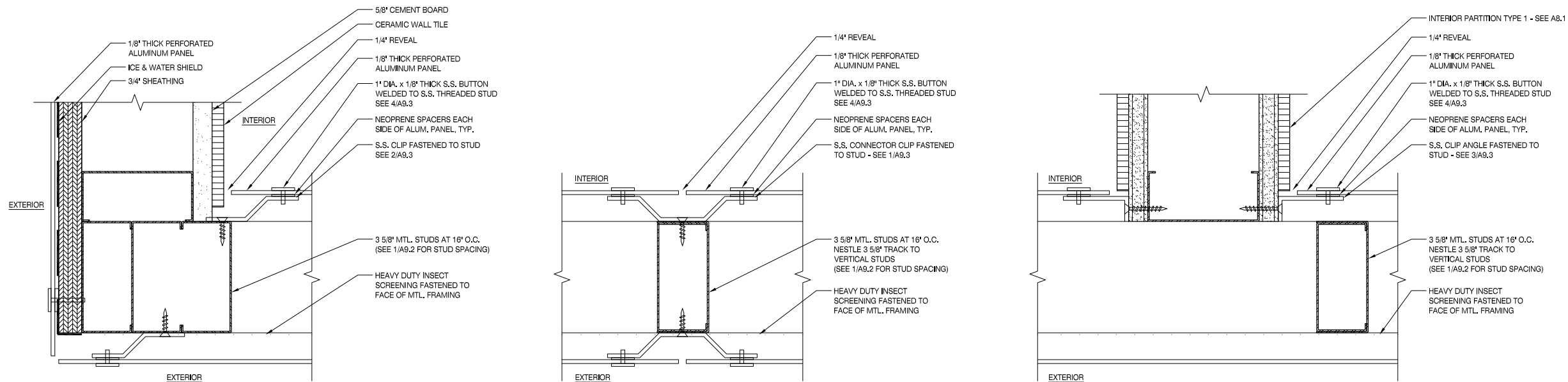
BLDG. FRONT & REAR ELEVATION:



1 ELEVATION DETAILS - PERFORATED PANELS  
SCALE: 1/4" = 1'-0"



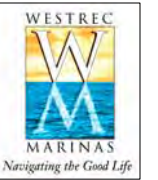
2 PLAN DETAILS - PERFORATED PANELS  
SCALE: 3/4" = 1'-0"



3 PLAN DETAIL  
SCALE: 3" = 1'-0"

4 PLAN DETAIL  
SCALE: 3" = 1'-0"

5 PLAN DETAIL  
SCALE: 3" = 1'-0"



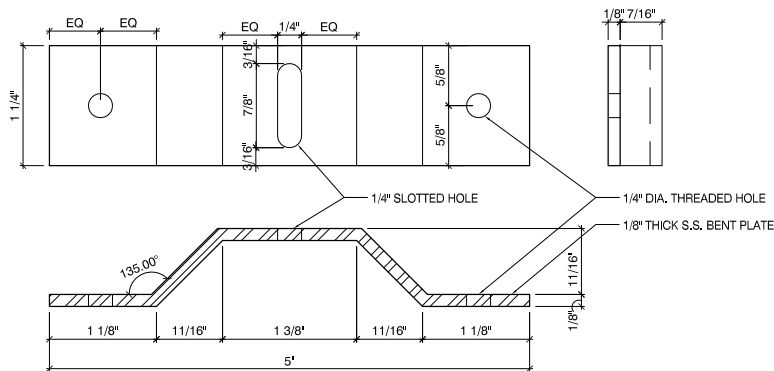
5	07/18/2011	ISSUE FOR BID
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NO	DATE	ISSUED FOR

PROJECT  
**WESTREC FLOATING  
WASHROOMS**

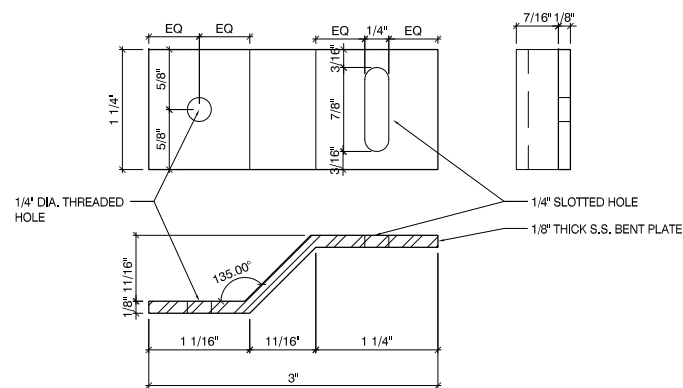
SHEET TITLE  
**ENLARGED DETAILS**

DRAWN: NAP	SHEET NO. <b>A9.2</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

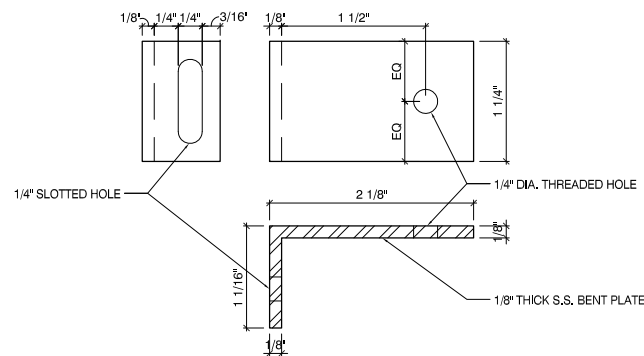




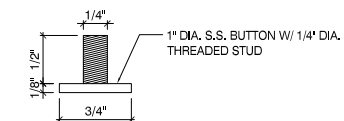
1 PANEL CONNECTION DETAIL  
SCALE: 6" = 1'-0"



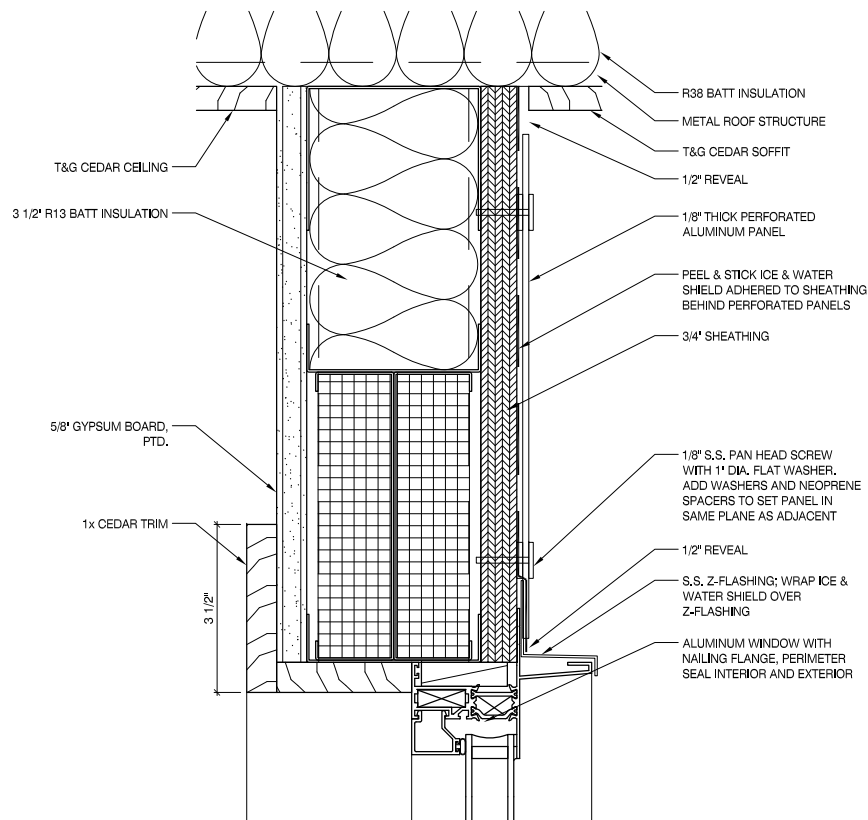
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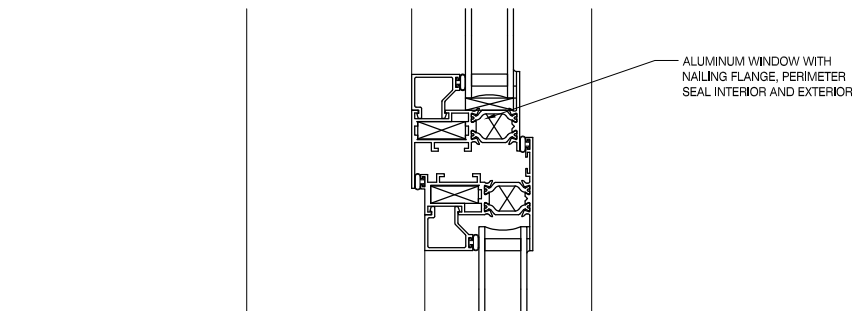
3 PANEL CONNECTION DETAIL  
SCALE: 6" = 1'-0"



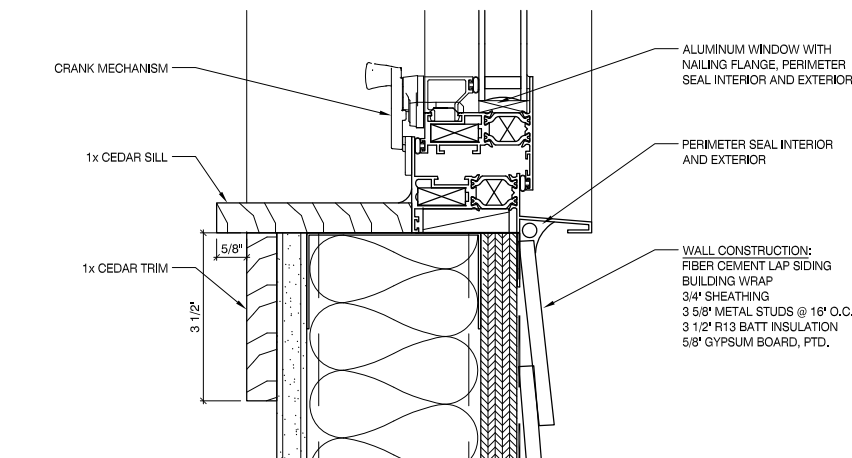
4 PANEL CONNECTION DETAIL  
SCALE: 6" = 1'-0"



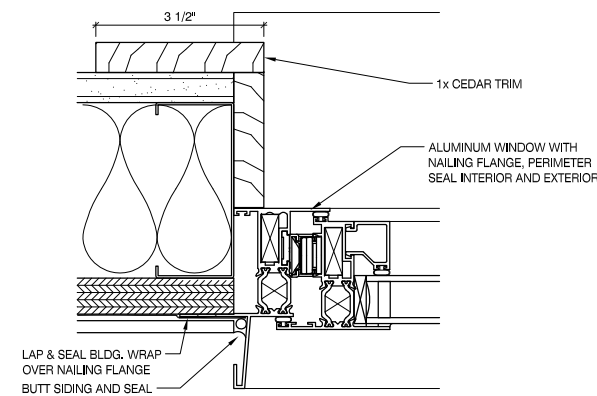
5 WINDOW HEAD DETAIL  
SCALE: 3" = 1'-0"



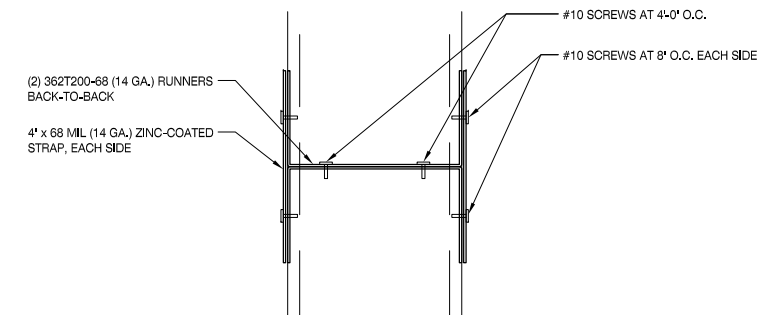
6 WINDOW DETAIL  
SCALE: 3" = 1'-0"



7 WINDOW SILL DETAIL  
SCALE: 3" = 1'-0"

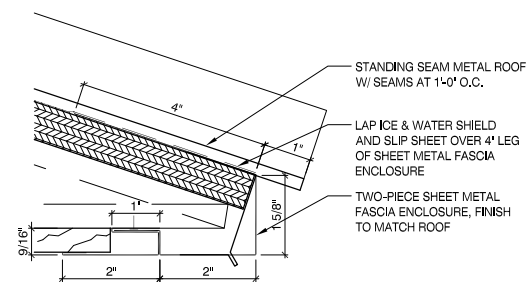


7 WINDOW JAMB DETAIL  
SCALE: 3" = 1'-0"



8 EXT. WALL CONNECTION DETAIL  
SCALE: 3" = 1'-0"

9 NOT USED  
SCALE:



10 ROOF FASCIA DETAIL  
SCALE: 3" = 1'-0"

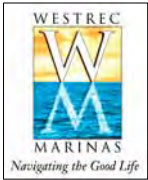


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3	06/06/2011	90% DESIGN / ISSUE FOR PERMIT
2	02/04/2011	30% DESIGN SUBMITTAL
1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT  
**WESTREC FLOATING  
WASHROOMS**

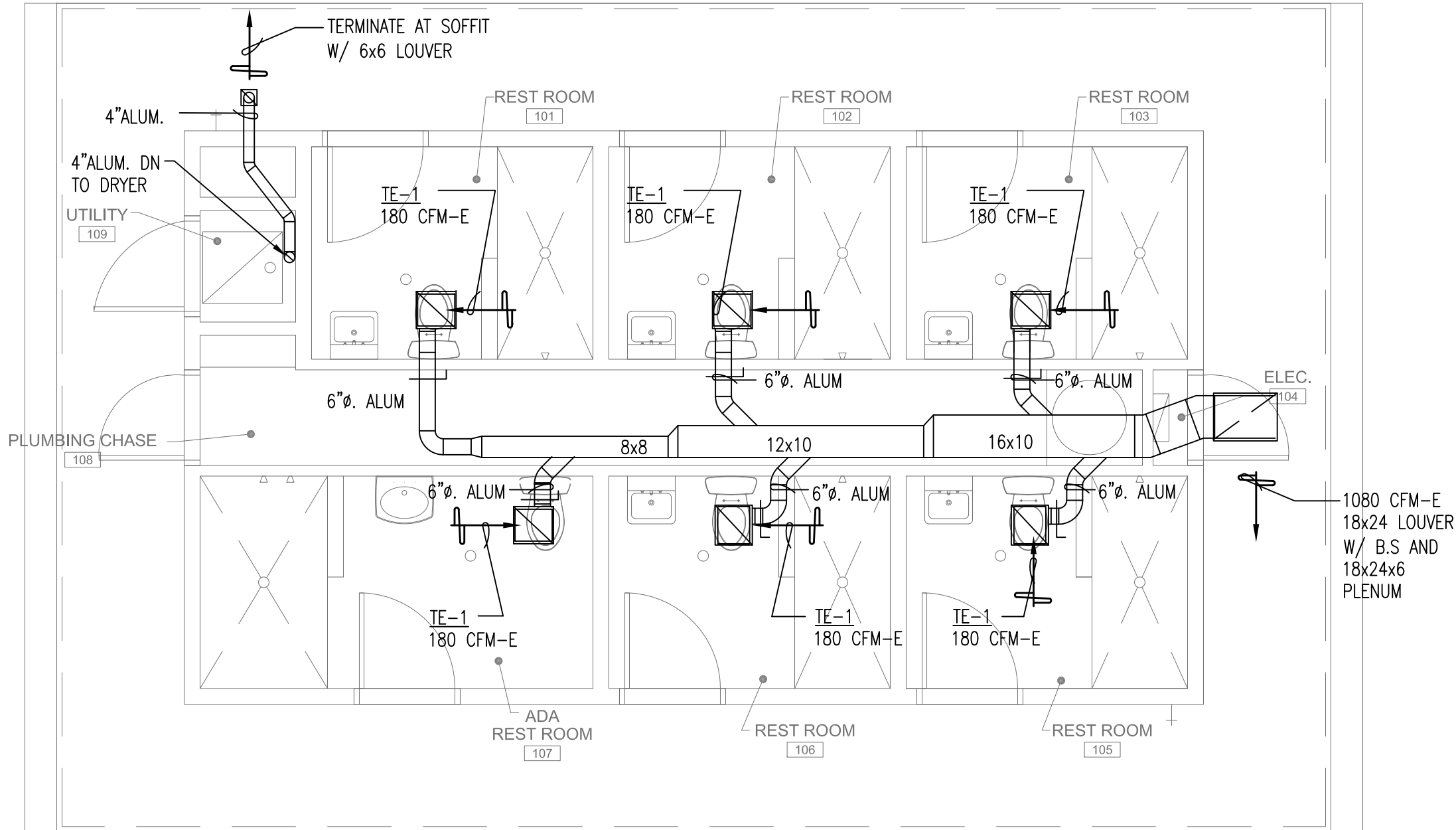
SHEET TITLE  
**ENLARGED DETAILS**

DRAWN: NAP	SHEET NO.
CHECKED: TS	<b>A9.3</b>
APPROVED: TS	
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# 1 MECHANICAL PLAN

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

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**WESTREC FLOATING  
WASHROOMS**

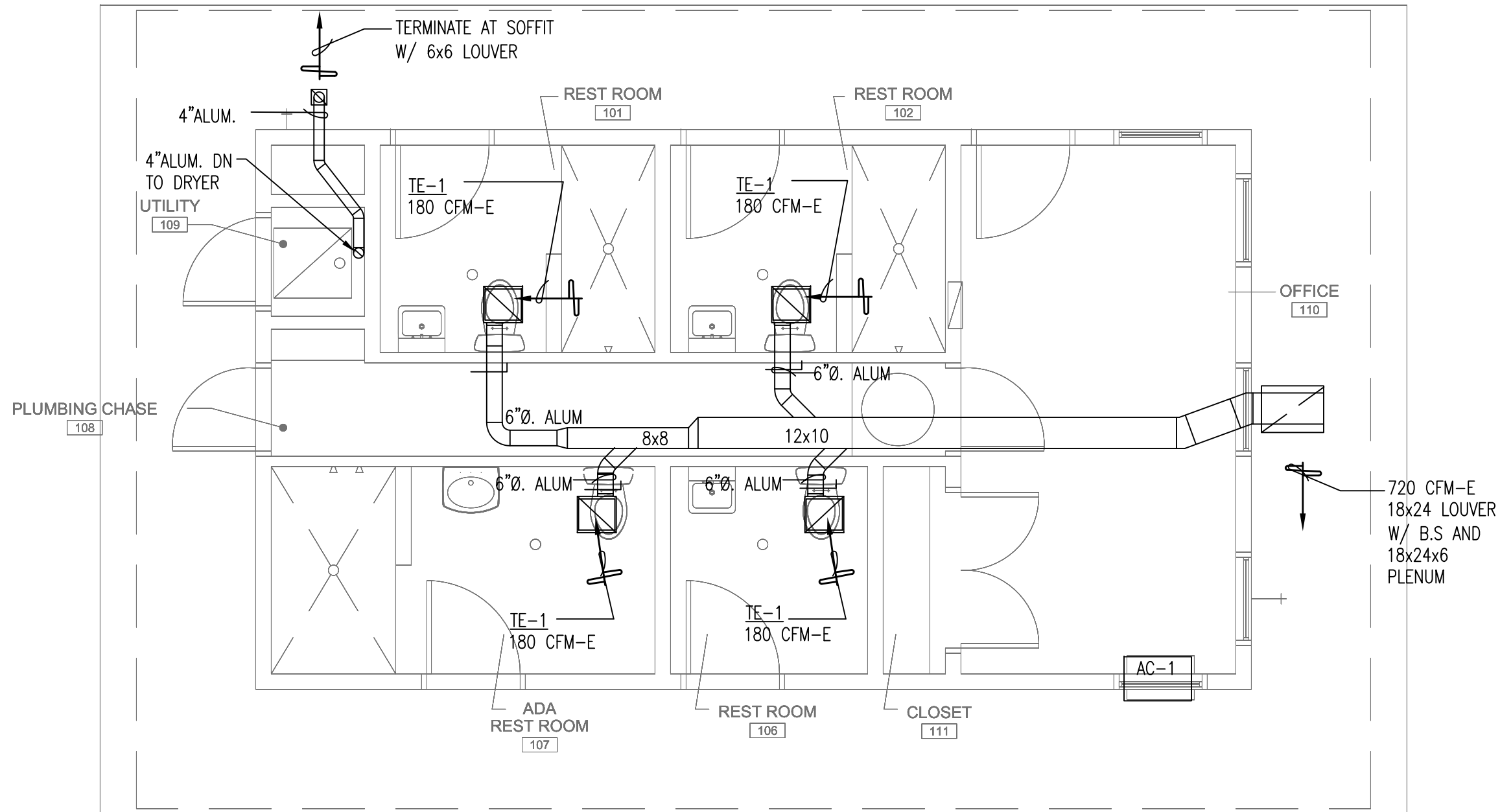
SHEET TITLE  
**MECHANICAL FLOOR  
PLAN**

DRAWN: NAP	SHEET NO. <b>M1-1</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	



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

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NO	DATE	ISSUED FOR

PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**MECHANICAL FLOOR  
PLAN (JACKSON)**

DRAWN: NAP

CHECKED: TS

APPROVED: TS

JOB NO. 10.09.10

SHEET NO.

**M1-1J**



EXHAUST FAN SCHEDULE

GREENHECK, CARNES, JENN-AIRE, OR COOK EQUAL FANS. (EQUAL SIZE, CFM, RPM, HP, SP, MATERIALS, CONTROLS, ETC.).										
UNIT TAG	SERVICE	AIR VOLUME (CFM)	STATIC PRESSURE (INCH)	RPM	MOTOR HP/VOLT S/PHASE	DIMENSIONS/ DUCT/DAMPER (INCHES)	FAN TYPE	LOCATION	MODEL	CONTROLS
TE-1	BATHROOM	180	0.375	1100	2.2 AMPS	8H x 12W x 14L, 6 DIAM DUCT	CABINET CENTRIFUGAL	CEILING	GREENHECK SP-B200	1, 2
FAN CONTROLS										
1	ON VIA MOTION DETECTOR AND/OR MANUAL ON/OFF SWITCH.									
2	MANUAL ON/OFF SWITCH WITH ADJUSTABLE TIME DELAY SWITCH (5 TO 60 MINUTES).									
OPTIONS AND ACCESSORIES:										
1	UL/CUL 507 LISTED - "ELECTRIC FANS", EAVE ELBOW, ALUMINUM GRILLE WITH WHITE ENAMEL FINISH, MOTION DETECTOR, WALL MOUNTED, ISOLATION KIT, ALUMINUM WHEEL MATERIAL									
GENERAL FAN NOTES										
1	ALL FANS ARE FURNISHED AND INSTALLED BY MC. ALL STARTERS ARE FURNISHED BY MC AND INSTALLED BY EC. POWER WIRING IS BY EC AND CONTROL WIRING IS BY MC.									
2	ALL FANS SHALL BE 120 VOLT, 1 PHASE AS NOTED <b>AND AS VERIFIED IN THE FIELD</b> . MODIFY THE FAN SUBMITTALS TO MATCH FIELD CONDITIONS. MECHANICAL CONTRACTOR DIRECT THE ELECTRICAL CONTRACTOR TO MODIFY THE POWER AND CONTROL CONNECTIONS AS PER THE FIELD CONDITIONS.									
3	FOR EAVE DISCHARGE, PROVIDE LOUVER, GRAVITY DAMPER, INLET SCREEN GUARD, VIBRATION ISOLATION, AND SEAL WALL OPENINGS.									

GRILLES REGISTERS AND DIFFUSERS

NOTES		
NOTE: ALL DIFFUSERS, REGISTERS AND GRILLES SHALL HAVE FINISHES APPROVED BY THE ARCHITECT, FRAMES TO MATCH FLOOR, WALL AND CEILING FINISHES, MAXIMUM NOISE LEVELS OF NC-25 AND OPPOSED BLADE DAMPERS, UNLESS NOTED AS A GRILLE. EXACT REGISTER LOCATIONS, TYPES AND FINISHES SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PURCHASE OR INSTALLATION.		
PROVIDE ALUMINUM DIFFUSERS AND REGISTERS IN AREAS EXPOSED TO MOISTURE AND/OR CORROSION (TOILET ROOMS, KITCHENS, EXTERIOR, ETC.)		
MANUFACTURERS:		
CARNES, KRUEGER, PRICE, TITUS EQUAL MODELS.		
GRILLE, REGISTER AND DIFFUSER TYPE	MODEL NO.	DESCRIPTION
LOUVERS	VENT PRODUCTS MODEL 4400 (4")	4 INCH DEEP STATIONARY BLADES, AT 30/40 DEGREE ANGLE; 18 GAUGE GALVANIZED STEEL, (.081) FRAME AND BLADES, WITH 1/2 X 1/2 INCH ALUMINUM SCREEN; FRAME TO MAKE OPENING REQUIREMENTS, INCLUDING SILL EXTENSION, SLEEVE, ETC. SIZE FOR ROUGH OPENING, PROVIDE WEATHER-SEAL TO ARCHITECTURAL OPENING, PROVIDE INSULATED, BLANK-OFF PANELS FOR UNUSED PORTIONS OF LOUVER.

HVAC NOTES

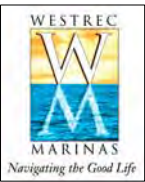
CITY OF CHICAGO REQUIREMENTS	
1	THE CONTRACTOR SHALL PROVIDE ALL PERMIT APPLICATION MATERIALS FOR THE CITY OF CHICAGO.
2	PROVIDE MINIMUM 15 FEET FROM OUTSIDE AIR INTAKES TO EXHAUST OUTLETS, PLUMBING VENTS, ETC.
3	ALL REGISTERS SHALL HAVE GRILLES WITH OPPOSED BLADE DAMPERS, UNLESS NOTED OTHERWISE.
4	ALL DUCTWORK SHALL BE RIGID, GALVANIZED STEEL, SHEET METAL AND SHALL MEET THE LATEST SMACNA CONSTRUCTION STANDARDS
5	LOCKING DAMPERS SHALL BE INSTALLED ON ALL WARM AIR RUNS.
6	NO FLEXIBLE DUCTWORK SHALL BE USED ON THIS PROJECT.
7	THERE SHALL BE NO REFRIGERATION FITTINGS, VALVES OR DEVICES IN THE AIR STREAM.
8	NOISE LEVEL FOR ALL HVAC EQUIPMENT SHALL NOT EXCEED 55 DBA (OR 62 DBA) AT THE LOT LINE AS PER CODE REQUIREMENTS.
9	TRANSFER DUCTS SHALL NOT EXCEED 5 FEET IN LENGTH.

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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

PROJECT  
WESTREC FLOATING WASHROOMS

SHEET TITLE MECHANICAL SCHEDULES	
DRAWN: NAP	SHEET NO.  M2-1
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

	CITY OF CHICAGO MECHANICAL NOTES
1	THE CONTRACTOR SHALL FOLLOW ALL HEATING, VENTILATING AND AIR CONDITIONING (HVAC) REGULATIONS OF THE CITY AND APPROVED VERSION OF CITY OF CHICAGO MECHANICAL CODE.
2	THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, DEVICES, EQUIPMENT, WORKMANSHIP AND THE SUCCESSFUL OPERATION OF ALL SYSTEMS AND APPARATUS INSTALLED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. SEE THE SPECIFICATIONS FOR DETAIL INTERPRETATION OF ALL INSTALLATION REQUIREMENTS.
3	THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR WORK TO EXISTING AND/OR NEW HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS IN ACCORDANCE WITH ALL GOVERNING CODES, THE DRAWINGS, APPROVED SUBMITTALS, OWNER'S REQUIREMENTS AND AS SPECIFIED.
4	THE CONTRACTOR SHALL TAKE SUCH PROTECTIVE MEASURES AND PRECAUTIONS AS MAY BE REQUIRED OR NECESSARY TO PREVENT INJURY OR ACCIDENTS IN ACCORDANCE WITH THE PARTICULAR CONDITIONS AND OSHA REQUIREMENTS.
5	ALL POWER WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY INFORMATION & DEVICES (INCLUDING STARTERS FOR MECHANICAL EQUIPMENT) FOR THE ELECTRICAL INSTALLATIONS.
6	CONTROL WIRING, DEVICES, ETC. SHALL BE PROVIDED BY THE CONTRACTOR. VERIFY ALL CONTROL AND SEQUENCE OF OPERATION NEEDS WITH THE OWNER.
7	THE CONTRACTOR SHALL SUPPLY ALL HANGERS AND SUPPORTS FOR HIS WORK.
8	THE DRAWINGS DO NOT DETAIL ALL FINAL CONNECTIONS TO EQUIPMENT. THE CONTRACTOR SHALL VERIFY SUCH CONNECTIONS PER THE MANUFACTURERS' SHOP DRAWINGS AND OTHER REQUIREMENTS.
9	LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL PROVIDE DESIGN BUILD BID PRICING FOR THE CONTROLS, DUCTWORK, AND NEW EXHAUST FANS. INSTALL EQUIPMENT, PIPING, AND DUCTWORK TO MEET FIELD CONDITIONS, AND PROVIDE SHOP DRAWINGS AS NECESSARY. EXACT LOCATION OF DUCTWORK, EQUIPMENT, GRILLES, AND REGISTERS SHALL BE APPROVED BY THE ARCHITECT WITH REFERENCE TO ANY LOCATIONS INDICATED. VERIFY ALL CONDITIONS, SUCH AS INTERIOR WALL SYSTEMS, ETC. WITH OTHER TRADES. COORDINATE ALL WORK WITH OTHER TRADES. MAINTAIN PROPER CLEARANCES AND HEADROOM AT THE EQUIPMENT AND DEVICES FOR INSPECTION AND SERVICE. CHANGE DIMENSIONS OF DUCTWORK WHEN REQUIRED TO MEET JOB CONDITIONS BUT MAINTAIN THE SAME EQUIVALENT CROSS SECTIONAL AREA. ALL DUCTWORK DIMENSIONS SHOWN ARE INSIDE, CLEAR MEASUREMENTS, MINIMUM CROSSECTIONAL AREA,
10	ALL DUCTWORK, EXCEPT AS NOTED, SHALL BE CONSTRUCTED PER AIR DUCT DESIGN AND CONSTRUCTION STANDARDS OF ASHRAE, SMACNA AND LOCAL CODES. ALL DUCTS SHALL BE SMOOTH AND AIRTIGHT. TAPE ALL TRANSVERSE JOINTS DURING THE INSTALLATION.
11	ALL CONNECTIONS BETWEEN FANS AND DUCTWORK SHALL HAVE FIREPROOF, HEAVY-DUTY FLEXIBLE CONNECTIONS (UL AND LOCAL CODE OFFICIAL APPROVED) WITH A THREE INCH MINIMUM CLEARANCE. WEATHERPROOF AS REQUIRED.
12	THE CONTRACTOR SHALL TEST, BALANCE AND ADJUST ALL SYSTEMS AND PLACE IN PROPER OPERATION (WITHIN 5 PERCENT OF DESIGN RATINGS) AS PER THE SPECIFICATIONS AND INDUSTRY STANDARDS. PROVIDE BALANCE REPORTS AS PER NEBB STANDARDS. COMFORT BALANCE MULTIPLE TIMES, AND SEASONALLY, IF NECESSARY TO THE USERS SATISFACTION.
13	ALL DUCTWORK AND PIPING SHALL RUN CONCEALED IN WALLS, JOIST SPACES AND/OR IN CEILING SPACES. WHEN PIPING OR DUCTWORK IS REQUIRED TO BE EXPOSED, IT MUST RUN PARALLEL TO STRUCTURAL MEMBER OR EXACTLY PERPENDICULAR TO STRUCTURE. RUN AS OBSCURE AS POSSIBLE AS DIRECTED BY ARCHITECT.
14	MECHANICAL EQUIPMENT SHALL BE LOCATED AND INSTALLED TO PREVENT TRANSMISSION OF OBJECTIONABLE SOUND.
15	ALL EXHAUST AND OTHER EXTERIOR PENETRATIONS SHALL BE INSTALLED TO AVOID CONDENSATION BUILD-UP, AND SNOW OR RAIN PENETRATION.
16	ALL PIPING AND DUCTWORK TO BE SUSPENDED FROM STRUCTURAL MEMBERS OF BUILDING, AS APPROVED BY ARCHITECT REPRESENTATIVE.
17	COMPLETE EQUIPMENT AND INSTALLATION SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED PRIOR TO ANY CONSTRUCTION. REFER TO AIA 201 DOCUMENTS INCLUDING GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (1997 EDITION) FOR SUBMITTAL AND OTHER CONTRACT ADMINISTRATION PROVISIONS.
18	MAINTAIN AS-BUILT SET OF CONTRACT DRAWINGS ON ALL WORK AS INSTALLED, SHOWING SIZE AND LOCATION CHANGES. GIVE REFERENCE DIMENSIONS FOR THE LOCATION OF ANY CONCEALED ITEMS REQUIRING ADJUSTMENT, INSPECTION, SERVICE OR REPLACEMENT. DRAWING BACKGROUNDS SHALL BE FURNISHED TO THE CONTRACTOR BY THE ARCHITECT IF NEEDED. PROVIDE COMPLETE OPERATION AND MAINTENANCE MANUALS, WRITTEN AND VERBAL INSTRUCTIONS, GUARANTEES AND WARRANTIES, WRITTEN VERIFICATION THAT ALL PUNCH-LISTS ARE COMPLETE AND OTHER CLOSE-OUT WORK AND DOCUMENTATION PRIOR TO FINAL PAYMENTS.
19	PROVIDE AT LEAST TWO (ONE PER SEASON), NON-EMERGENCY SITE VISITS DURING THE ONE YEAR WARRANTY PERIOD TO ADJUST EQUIPMENT AND EXAMINE THE SYSTEM OPERATIONS. ADDITIONAL SITE VISITS WILL BE REQUIRE IF WARRANTIED EQUIPMENT NEEDS REPAIR OR REPLACEMENT.


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PROJECT

WESTREC FLOATING  
WASHROOMS

SHEET TITLE

MECHANICAL  
SCHEDULES

DRAWN: NAP	SHEET NO.  <b>M2-2</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

VENTILATION SCHEDULE - PUBLIC AREA																			
Room Number	Room Name (Plan)	Room Purpose (per Table 403.3)	Floor Area	Ordinance Requirements								Actual Provided				Equipment		Remarks	
				Natural Light & Vent (SF)		Mechanical Ventilation (CFM/SF)		Mechanical Ventilation (CFM)		(RO) Relief Openings Req'm'ts	Natural Light & Vent (SF)		Mechanical Ventilation (CFM)		Tag of equipment: supplying air to the room	Tag of equipment ex-hausting air from the rm			
				See Window schedule on Arch Sheet															
				Glass Area	Vent Area	Supply Air	Exhaust Air (from room)	Supply Air	Exhaust Air (from room)		Volume (CFM)	Area of Duct (SF)	Glass Area	Vent Area			Supply Air		Exhaust Air (from room)
101	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
102	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
103	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
104	ELECTRICAL CLOSET	INACTIVE STORAGE	59	NR	NR	0	2	0	118	NR	NR	0	0	0	0		TE-1		
105	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
106	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
107	RESTROOM	TOILET	82	NR	NR	0	2	0	164	NR	NR	0	0	0	180		TE-1		
108	UTILITY	INACTIVE STORAGE	16	NR	NR	0	0	0	0	NR	NR	0	0	0	0				
			452					0	872					0	1080				

VENTILATION SCHEDULE - PUBLIC AREA (JACKSON)																			
Room Number				Ordinance Requirements								Actual Provided				Equipment			
				Natural Light & Vent (SF)		Mechanical Ventilation (CFM/SF)		Mechanical Ventilation (CFM)		(RO) Relief Openings Req'm'ts		Natural Light & Vent (SF)		Mechanical Ventilation (CFM)		Tag of equipment: supplying air to the room	Tag of equipment ex-hausting air from the rm		
	Room Name (Plan)	Room Purpose (per Table 403.3)	Floor Area	Glass Area	Vent Area	Supply Air	Exhaust Air (from room)	Supply Air	Exhaust Air (from room)	Volume (CFM)	Area of Duct (SF)	Glass Area	Vent Area	Supply Air	Exhaust Air (from room)				
101	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
102	RESTROOM	TOILET	59	NR	NR	0	2	0	118	NR	NR	0	0	0	180		TE-1		
106	RESTROOM	TOILET	35	NR	NR	0	2	0	70	NR	NR	0	0	0	180		TE-1		
107	RESTROOM	TOILET	82	NR	NR	0	2	0	164	NR	NR	0	0	0	0		TE-1		
109	UTILITY	INACTIVE STORAGE	16	NR	NR	0	0	0	0	NR	NR	0	0	0	0				
110	OFFICE	OFFICE	150	120	60	0	0	0	0	NR	NR	37.6	18.8	0	180		TE-1		
111	CLOSET	INACTIVE STORAGE	20	NR	NR	0	0	0	0	NR	NR	0	0	0	0				
			421																
								0	470					0	720				

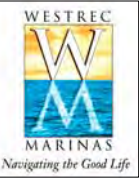
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1

01/20/2011

SCHEMATIC DESIGN

NO

DATE

ISSUED FOR

PROJECT  
WESTREC FLOATING  
WASHROOMS

SHEET TITLE  
MECHANICAL  
SCHEDULES

DRAWN: NAP

CHECKED: TS

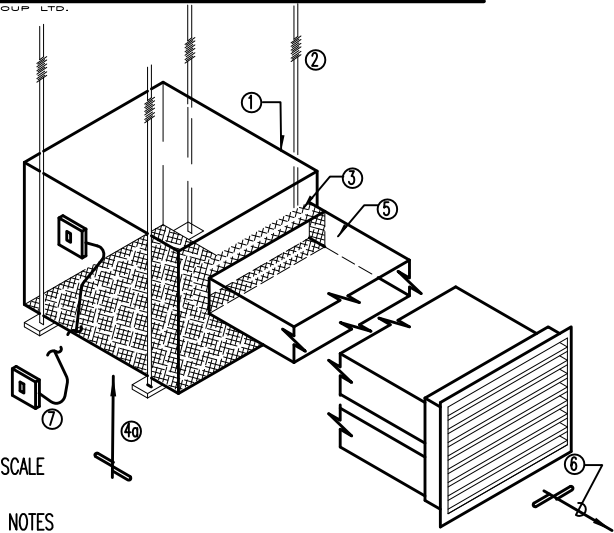
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JOB NO. 10.09.10

SHEET NO.  
M2-3

## CEILING CABINET EXHAUST FAN DETAIL

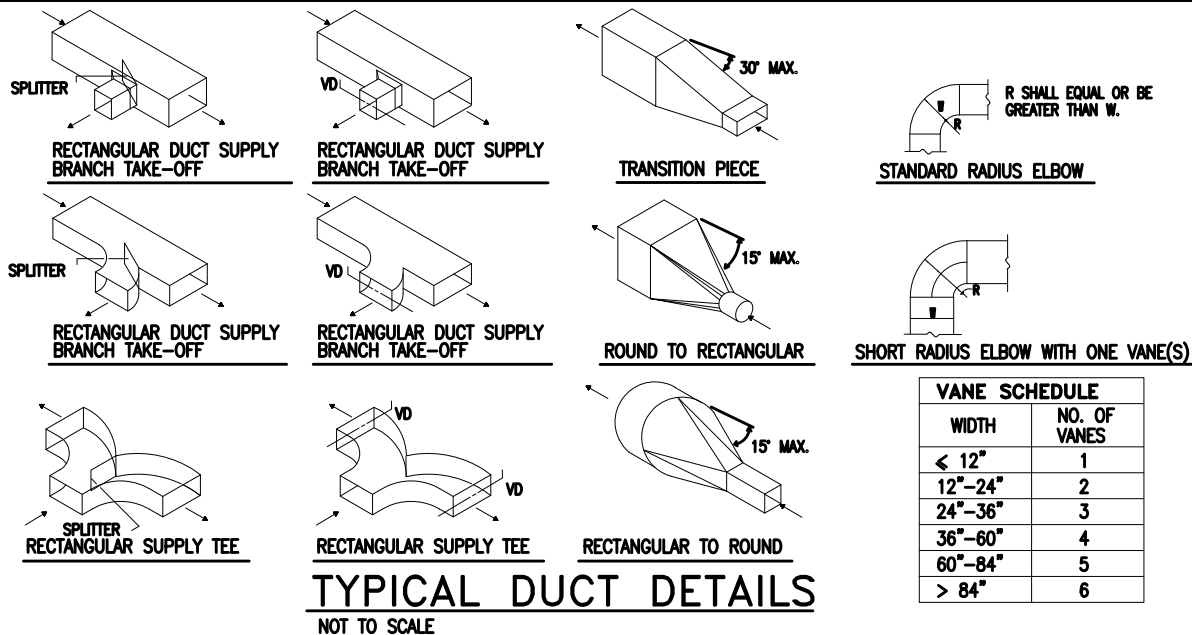
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DETAIL IS NOT TO SCALE

### CABINET EXHAUST FAN NOTES

- CABINET EXHAUST FAN; MODIFY LAYOUT FOR VERTICAL OR OTHER TYPE OF FAN ARRANGEMENT AND/OR DUCT CONNECTIONS. ALL INLINE AND/OR CEILING-MOUNTED CABINET EXHAUST FANS SHALL HAVE A MINIMUM OF 1/2" INSULATED LINING, GRAVITY BACK DRAFT DAMPER, & U.L. LISTING.
- MOUNT CABINET EXHAUST FAN IN AT LEAST 4 POINTS AND WITH VIBRATION ISOLATION MOUNTS.
- PROVIDE FLEXIBLE DUCT CONNECTIONS AT DUCT INLET AND OUTLET.
- EXHAUST INLET IN ONE OF TWO METHODS:
  - CEILING-GRILLE FAN CONFIGURATION WITH FULL CABINET AREA, EXHAUST GRILLE WITH INLET FILTER AND/OR FIRE DAMPER AS SPECIFIED OR OTHERWISE REQUIRED.
- OUTLET DUCTWORK TO MATCH FIELD CONDITIONS; HORIZONTAL OR VERTICAL, RECTANGULAR OR ROUND DUCT FITTINGS.
- EXHAUST DISCHARGE SHALL HAVE A GRAVITY BACK DRAFT DAMPER AND BIRD SCREEN AT EXTERIOR OUTLET; DISCHARGE METHOD SHALL BE AS FOLLOWS:
  - LOUVER, WEATHERPROOF-TYPE, MOUNTED FLUSH TO EXTERIOR SURFACE ONE OR MULTIPLY DUCT CONNECTIONS, PROVIDE INSULATED BLANK-OFF OF UNUSED PORTIONS OF THE LOUVER INLET;
- PROVIDE CABINET EXHAUST FAN MOUNTED CODE DISCONNECT SWITCH; CONNECTED TO REMOTE MOUNTED CONTROL SWITCH AS SPECIFIED OR AS IS REQUIRED BY ACTUAL APPLICATION; LOCAL FAN CONTROL MOUNTED NEAR EXHAUST INLET SHALL BE BY ONE OF THE FOLLOWING METHODS:
  - SEPARATE, LOCAL ON/OFF SWITCH WITH PILOT LIGHT;
- PROVIDE ACCESS PANEL AS REQUIRED FOR SERVICING WITH CLEARANCES FOR THE FAN, MOTOR & ELECTRICAL CONNECTIONS.
- ALL FANS SHALL BE 120 VOLT, SINGLE PHASE UNLESS NOTED OTHERWISE. ALL FANS & CONTROL DEVICES SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ALL WIRING IS BY ELECTRICAL CONTRACTOR.



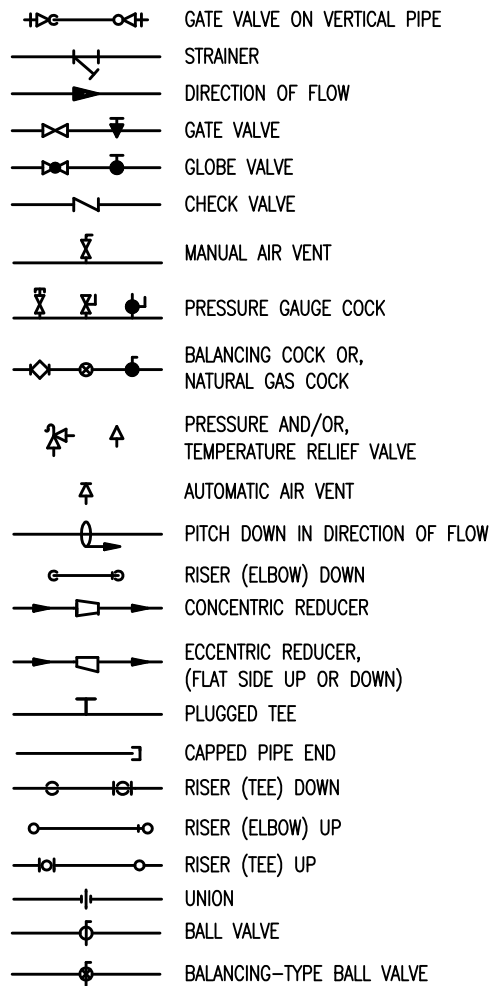
VANE SCHEDULE	
WIDTH	NO. OF VANES
≤ 12"	1
12"-24"	2
24"-36"	3
36"-60"	4
60"-84"	5
> 84"	6

## MECHANICAL SYMBOL LIST

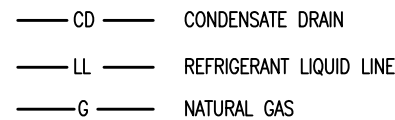
NOTE: NOT ALL SYMBOLS ARE APPLICABLE TO THIS PROJECT

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### PIPE FITTINGS



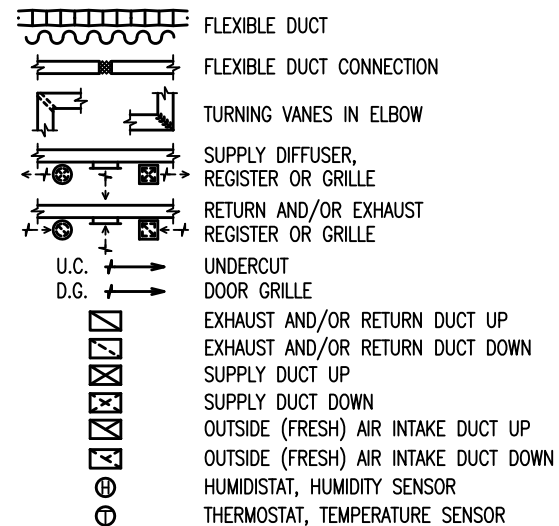
### PIPE SERVICE TAGS



### ABBREVIATIONS

ACD	ACCESS DOOR
AD	AUTOMATIC DAMPER
AFF	ABOVE FINISHED FLOOR
BI	BLACK IRON
BO	BLANK OFF
BS	BIRD SCREEN
CFM	CUBIC FEET PER MINUTE
CFM-E	CUBIC FEET PER MINUTE-EXHAUST
CFM-ER	CUBIC FEET PER MINUTE-EXHAUST/RETURN
CFM-R	CUBIC FEET PER MINUTE-RETURN
CFM-S	CUBIC FEET PER MINUTE-SUPPLY
DIFF	DIFFUSER
DN	DOWN
EA	EACH
EA EXH	EXHAUST AIR
FAI	FRESH AIR INTAKE
FD	FIRE DAMPER
GA	GAUGE
GC	GENERAL CONTRACTOR
G	NATURAL GAS
GR	GRILLE
MD	MANUAL DAMPER
NIC	NOT IN CONTRACT
NK	NECK
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
RA/RET	RETURN AIR
RAD	RADIATION
REG	REGISTER
SA/SUP	SUPPLY AIR
SQ. FT	SQUARE FEET
TC	TEMPERATURE CONTROL
TYP	TYPICAL
VIF	VERIFY IN FIELD

### VENTILATION

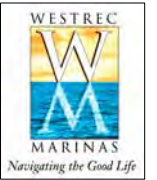


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1	01/20/2011	SCHEMATIC DESIGN
NO	DATE	ISSUED FOR

### PROJECT

**WESTREC FLOATING WASHROOMS**

### SHEET TITLE

**MECHANICAL DETAILS**

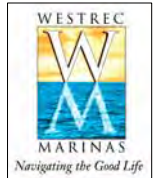
DRAWN: NAP  
CHECKED: TS  
APPROVED: TS  
JOB NO. 10.09.10

SHEET NO.

**M3-1**

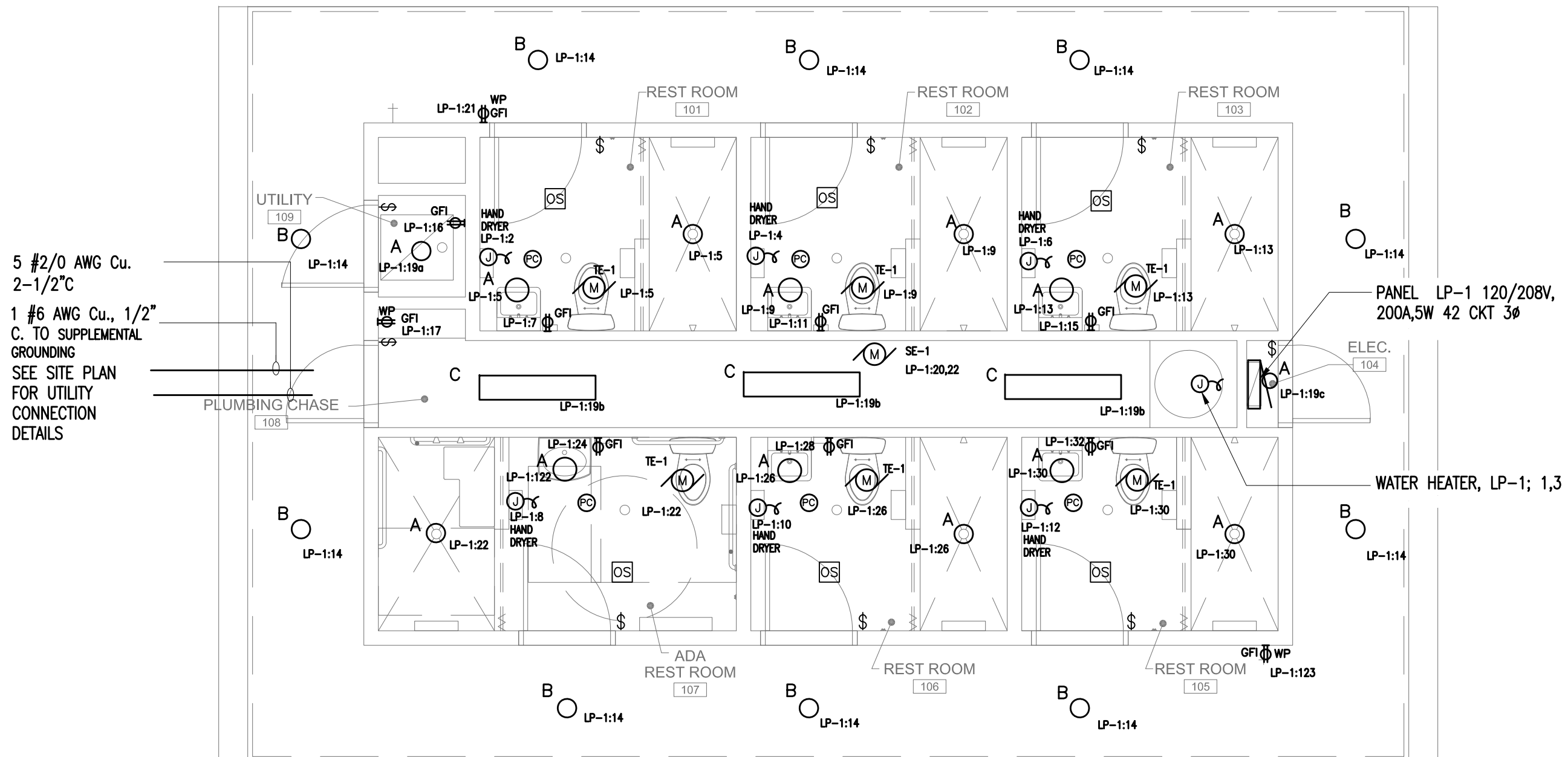


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# 1 ELECTRICAL PLAN

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

**NOTE:**  
ROUTE CONDUIT HORIZONTALLY FROM THE PLUMBING CHASE THROUGH ADJACENT WALLS TO ALL DEVICES ON EXTERIOR WALLS. DO NOT ROUTE CONDUIT FROM OVERHEAD BETWEEN THE PERFORATED ALUMINUM PANELS.

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1	01/20/2011	SCHEMATIC DESIGN
NO.	DATE	ISSUED FOR

	PROJECT
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## WESTREC FLOATING WASHROOMS

SHEET TITLE

## ELECTRICAL FLOOR PLAN

DRAWN: NAP

CHECKED: TS

APPROVED: TS

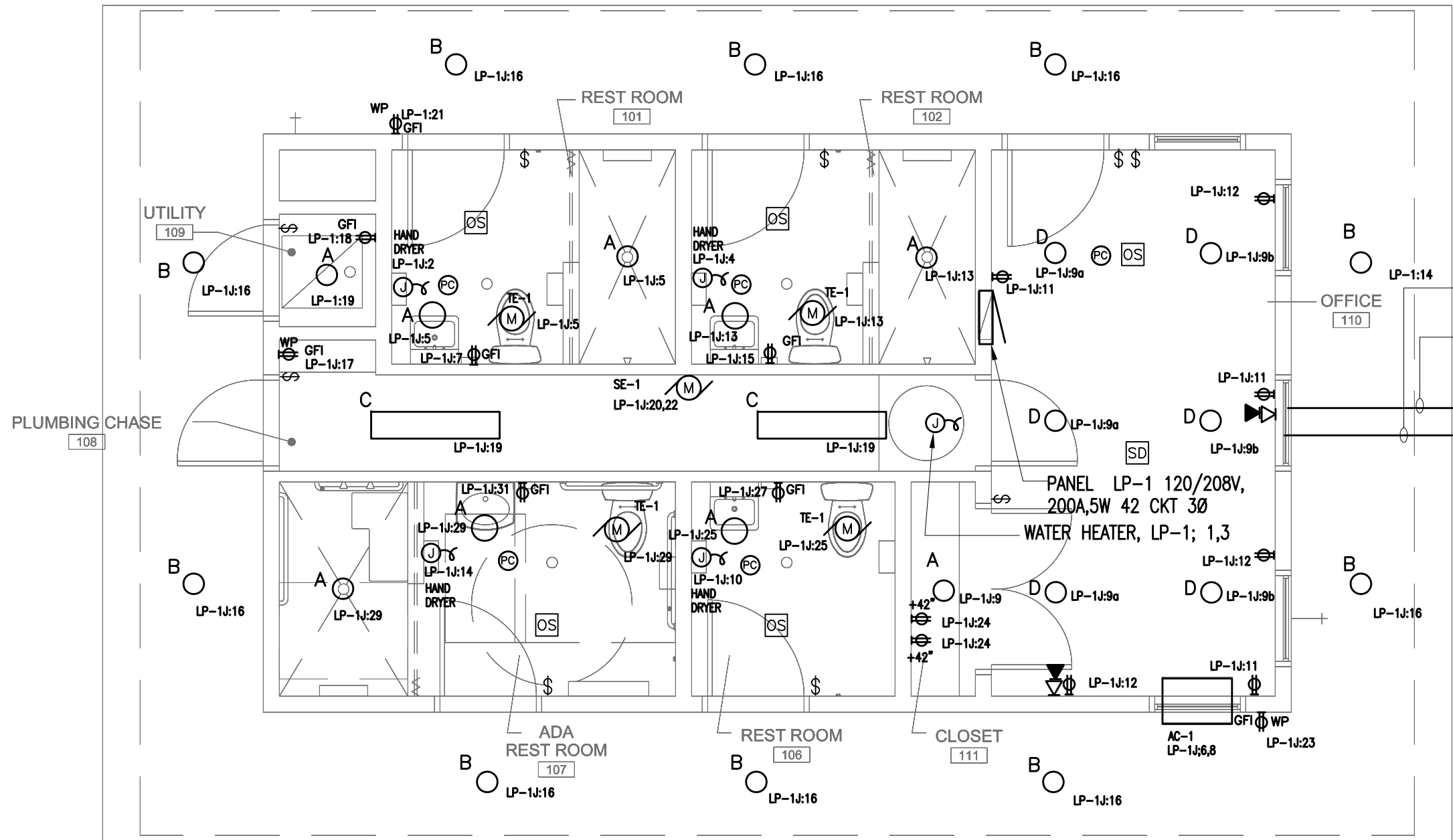
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**E1-1**



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5 #2/0 AWG Cu. 2-1/2"C  
1 #6 AWG Cu., 1/2" C. TO  
SUPPLEMENTAL GROUNDING  
SEE SITE PLAN FOR UTILITY  
CONNECTION DETAILS

# 1 ELECTRICAL PLAN

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

NOTE:  
ROUTE CONDUIT HORIZONTALLY FROM THE  
PLUMBING CHASE THROUGH ADJACENT WALLS  
TO ALL DEVICES ON EXTERIOR WALLS. DO  
NOT ROUTE CONDUIT FROM OVERHEAD  
BETWEEN THE PERFORATED ALUMINUM PANELS.

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PROJECT  
**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE  
**ELECTRICAL FLOOR  
PLAN (JACKSON)**

DRAWN: NAP	SHEET NO.
CHECKED: TS	<b>E1-1J</b>
APPROVED: TS	
JOB NO. 10.09.10	

LIGHTING FIXTURE SCHEDULE					
TAG	LOCATION	MANUFACTURER MODEL NO.	LAMPS	MOUNTING	DESCRIPTION
A	INTERIOR BATH ROOM CEILING	SPECTRUM SP5VF 1 32 EX 120	(1) 32W VERTICAL CFL	RECESSED CEILING, REGRESSED BAFFLED LENS	5 INCH DIAMETER, WHITE TRIM, PRISMATIC GLASS LENS, ELECTRONIC BALLAST, SERVICEABLE THRU APERTURE
B	EXTERIOR SOFFIT CEILING	SPECTRUM SP7MH 50 EX 120, 7135 WS PG WL	(1) 50 W MH CLEAR, ED-17	RECESSED CEILING, REGRESSED BAFFLED LENS	7 INCH DIAMETER, WHITE TRIM, PRISMATIC GLASS LENS, ELECTRONIC BALLAST, SERVICEABLE THRU APERTURE, WET LOCATION, COLD WEATHER BALLAST. 7 INCH HIGH.
C	INTERIOR UTILITY CHASE	DAY BRITE 2D 232RA21	(2) F32/ T8/ 835/ 3500K	SURFACE CEILING, 8"-0" ABOVE FINISHED FLOOR	2 LAMP FLUORSCENT, WRAP AROUND, ELECTRONIC BALLAST, MOUNTED TO STRUCTURE ON CEILING SURFACE OR SUSPENDED ON CHAINS
D	INTERIOR OFFICE CEILING	SPECTRUM SP5VF 1 32 EX 120	(1) 32W VERTICAL CFL	RECESSED CEILING, REGRESSED BAFFLED LENS	5 INCH DIAMETER, WHITE TRIM, PRISMATIC GLASS LENS, ELECTRONIC BALLAST, SERVICEABLE THRU APERTURE

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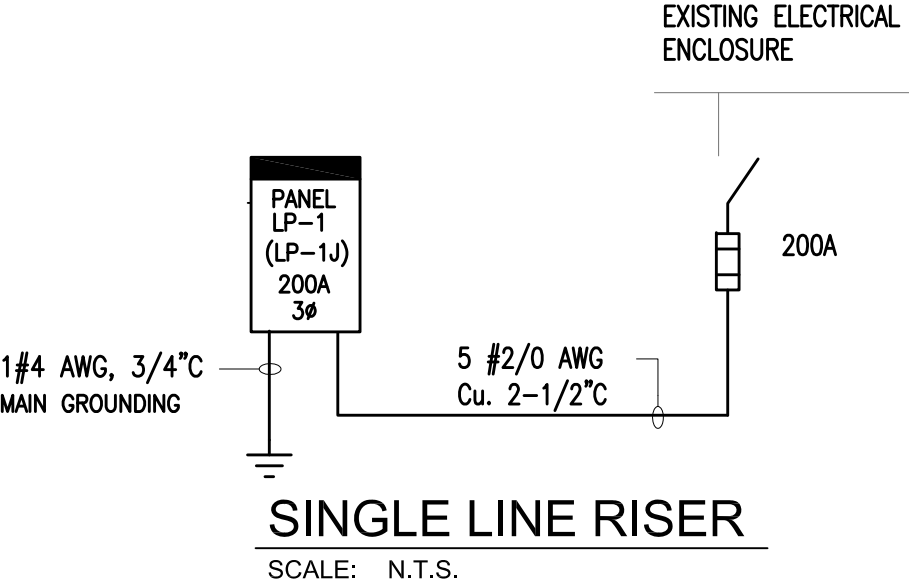
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PROJECT  
**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE  
**ELECTRICAL  
SCHEDULES**

DRAWN: NAP	SHEET NO. <b>E2-1</b>
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JOB NO. 10.09.10	



EQUIPMENT CONNNECTION NOTES

1. VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH EQUIPMENT INSTALLER BEFORE INSTALLING FEEDERS.
2. SEE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION.
3. SIZE STARTER/FEEDER DISCONNECT PER FINAL EQUIPMENT REQUIREMENTS.
4. PROVIDE OVERLOAD PROTECTION (FUSES OR MOTOR CIRCUIT PROTECTOR) PER SPECIFICATIONS, ACTUAL FIELD MEASURED 5. FULL LOAD CURRENT, AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
6. VERIFY FINAL VOLTAGE AND PHASE REQUIREMENTS OF ALL EQUIPMENT WITH INSTALLER BEFORE INSTALLING FEEDERS.
7. COORDINATE SHORT CIRCUIT OCD RATING WITH FINAL EQUIPMENT REQUIREMENTS
8. PROVIDE LOCAL DISCONNECT WITHIN 5' OF EQUIPMENT.

ELECTRICAL LOAD CENTER NOTES  
THE PANEL SCHEDULES ARE TO BE COMPLETED BY THE CONTRACTOR AND PLACED IN PANEL DOOR

REFER TO MECHANICAL PLANS FOR SIZES OF OCD'S FOR MECHANICAL EQUIPMENT

ALL CIRCUITS MIN. 2#12AWG, #12AWG. GRD Cu  
30A CIRCUITS MIN. 2#10AWG. #12AWG. GRD Cu.  
40A CIRCUITS MIN. 2#8 AWG, #10AWG. GRD Cu  
60A CIRCUITS MIN. 2#6 AWG, #19AWG, GRD Cu.

INCREASE BRANCH CIRCUIT CONDUCTORS BY ONE SIZE FOR ALL BRANCH CIRCUITS OVER 100'-0"

PANEL: LP-1				120/208V 3Ø 5 WIRE				RECESSED MOUNTED				BUS 200 AMPS										
LOCATION: ELECTRICAL ROOM												MAIN BREAKER: 200 AMPS										
CCT NO.	VOLT-AMPERES			DESCRIPTION	EQUIP	RECPT	LIGHT	POLE	AMPS	PHASE			AMPS	POLE	LIGHT	RECPT	EQUIP	DESCRIPTION	VOLT-AMPERES			CCT NO.
	ØA	ØB	ØC							A	B	C							ØA	ØB	ØC	
1				WATER HEATER					60	•			20	1		✓		HAND DRYERS				2
3								2			•		20	1		✓		HAND DRYERS				4
5				RESTROOM 101	✓		✓	1	20				20	1				HAND DRYERS				6
7				RESTROOM 101		✓		1	20				20	1		✓		HAND DRYERS				8
9				RESTROOM 102	✓		✓	1	20			•	20	1		✓		HAND DRYERS				10
11				RESTROOM 102		✓		1	20				20	1		✓		HAND DRYERS				12
13				RESTROOM 103	✓		✓	1	20	•			20	1	✓			OUTDOOR LTG				14
15				RESTROOM 103		✓		1	20			•	20	1			✓	WASHMACHINE				16
17				RECEPTACLES 108		✓		1	20				20				✓	SE-1				16
19				CHASE 108			✓	1	20	•			20		2							20
21				OUTDOOR RECEPT		✓		1	20			•	20	1	✓		✓	RESTROOM 107				22
23				OUTDOOR RECEPT	✓			1	20				20	1		✓		RESTROOM 107				24
25				SPARE				1	20	•			20	1	✓		✓	RESTROOM 106				26
27				SPARE				1	20			•	20	1		✓		RESTROOM 106				28
29				SPACE									20	1	✓		✓	RESTROOM 105				30
31				SPACE						•			20	1		✓		RESTROOM 105				32
33				SPACE								•	20	1				SPARE				34
35				SPACE														SPACE				36
37				SPACE						•								SPACE				36
39				SPACE								•						SPACE				40
41				SPACE														SPACE				42

PANEL: LP-1J														120/208V 3Ø 5 WIRE										RECESSED MOUNTED										BUS 200 AMPS									
LOCATION: ELECTRICAL ROOM														MAIN BREAKER: 200 AMPS																													
CCT NO.	VOLT-AMPERES			DESCRIPTION	EQUIP	RECPT	LIGHT	POLE	AMPS	PHASE			AMPS	POLE	LIGHT	RECPT	EQUIP	DESCRIPTION	VOLT-AMPERES			CCT NO.																					
	ØA	ØB	ØC							A	B	C							ØA	ØB	ØC																						
1				WATER HEATER					60	•			20	1		✓		HAND DRYERS				2																					
3								2			•		20	1		✓		HAND DRYERS				4																					
5				RESTROOM 101	✓		✓	1	20			•	20				✓	AC-1				6																					
7				RESTROOM 101		✓		1	20			•		2								8																					
9				OFFICE 110			✓	1	20			•	20	1		✓		HAND DRYERS				10																					
11				OFFICE 110		✓		1	20			•	20	1		✓		OFFICE 110				12																					
13				RESTROOM 102	✓		✓	1	20			•	20	1		✓		HAND DRYERS				14																					
15				RESTROOM 102		✓		1	20			•	20	1	✓			OUTDOOR LTG				16																					
17				RECEPTACLES 108		✓		1	20			•	20	1			✓	WASHMACHINE				18																					
19				CHASE 108			✓	1	20			•	20				✓	SE-1				20																					
21				OUTDOOR RECEPT		✓		1	20			•		2								22																					
23				OUTDOOR RECEPT	✓			1	20			•	20	1		✓		OFFICE 110				24																					
25				RESTROOM 106	✓		✓	1	20			•	20	1				SPARE				26																					
27				RESTROOM 106		✓		1	20			•						SPACE				28																					
29				RESTROOM 107	✓		✓	1	20			•						SPACE				30																					
31				RESTROOM 107		✓		1	20			•						SPACE				32																					
33				SPACE								•						SPACE				34																					
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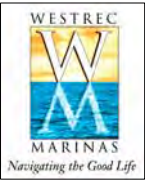
\* PHOTOCELL CONTROL

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PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**ELECTRICAL RISER**

DRAWN: NAP

CHECKED: TS

APPROVED: TS

JOB NO. 10.09.10

SHEET NO.

**E3-1**



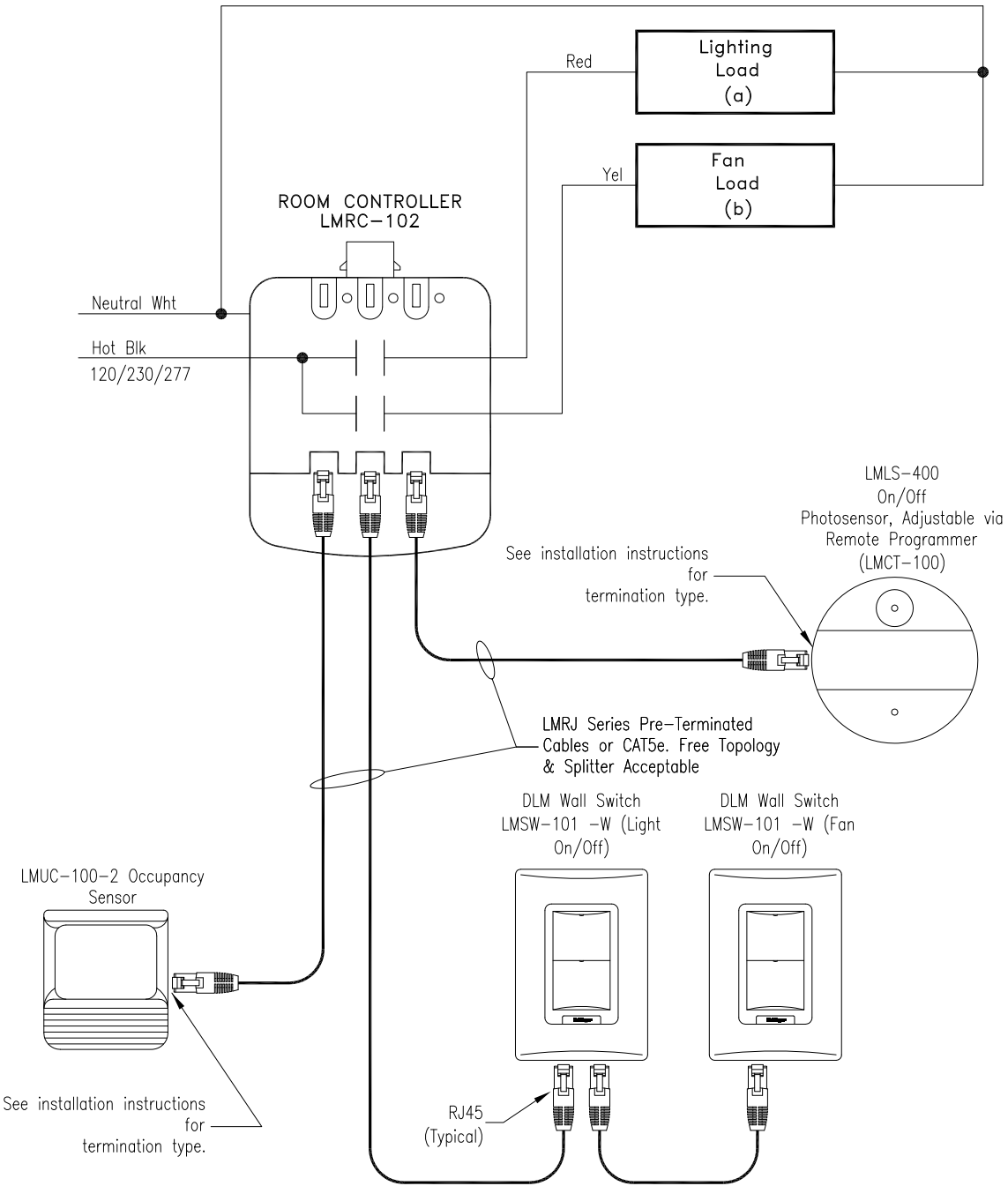
ELECTRICAL SYMBOL LIST

SYMBOLS

	LIGHTING FIXTURE FOR DESCRIPTION SEE LIGHTING FIXTURE SCHEDULE
	JUNCTION BOX
	CONDUIT-CONCEALED ABOVE CEILING OR IN WALL
	CONDUIT-CONCEALED IN FLOOR OR IN CEILING BELOW
	CONDUIT-EXPOSED
	CONDUIT-FLEXIBLE
	SINGLE POLE SWITCH 48" MTG. HT.
	THREE-WAY SWITCH 48" MTG. HT.
	DUPLEX GRD. RECEPTACLE 12"MTG. HT.
	FLOOR MTD DUPLEX GRD. RECEPTACLE 12"MTG. HT.
	MOTOR
	FUSED SAFETY SWITCH
	NON-FUSED DISCONNECT SWITCH
	LIGHTING AND RECEPTACLE PANELBOARD,
	SMOKE DETECTOR
	HEAT DETECTOR
	TELEPHONE OUTLET BOX & CONDUIT SYSTEM, BY E.C. 3/4"C UP TO CEILING
	DATA OUTLET BOX, COVER PLATE AND 3/4"C. STUB INTO CEILING SPACE FOR FUTURE DATA USE
	PHOTOCELL

ABBREVIATIONS

A, AMP	AMPERAGE
ACD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BO	BLANK OFF
CECO	COMMONWEALTH EDISON COMPANY
DN	DOWN
EA	EACH
EC	ELECTRICAL CONTRACTOR
FBO	FURNISHED BY OTHERS
GA	GAUGE
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HP	HORSE-POWER
MC	MECHANICAL CONTRACTOR
NIC	NOT IN CONTACT
PC	PLUMBING CONTRACTOR
PS	PUBLIC SERVICE
TC	TEMPERATURE CONTROL
TTC	TELEPHONE TERMINAL CABINET
TYP	TYPICAL
V	VOLT
VIF	VERIFY IN FIELD
W	WATT
WP	WEATHER-PROOF.(NEMA 3R)
EX	EXISTING TO REMAIN
REL	RELOCATE
REM	REMOVE
REF	REFRIGERATOR



DEVICES ARE PRESET FOR PLUG n' GO™ OPERATION, with field adjustments.  
Sequence of Operation: When ambient light levels exceed the off setpoint, the Photosensor turns Lighting Load (a) off. It will turn connected Lighting Load (a) back on when the on setpoint is triggered. The Occupancy Sensor shall turn on the Lighting Load and Fan Load and will remain on for additional 10 minutes (adjustable). The wall switches shall turn on the each load for the time setting for the occupancy sensor (10 minutes adjustable). The products are based on the Watt Stopper DLM System.

Daylighting On/Off Photosensor with 2-relay Room Controller and Occupancy Sensor - Washroom controls

SCALE: N.T.S.

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PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE

**ELECTRICAL DETAILS**

DRAWN: NAP

CHECKED: TS

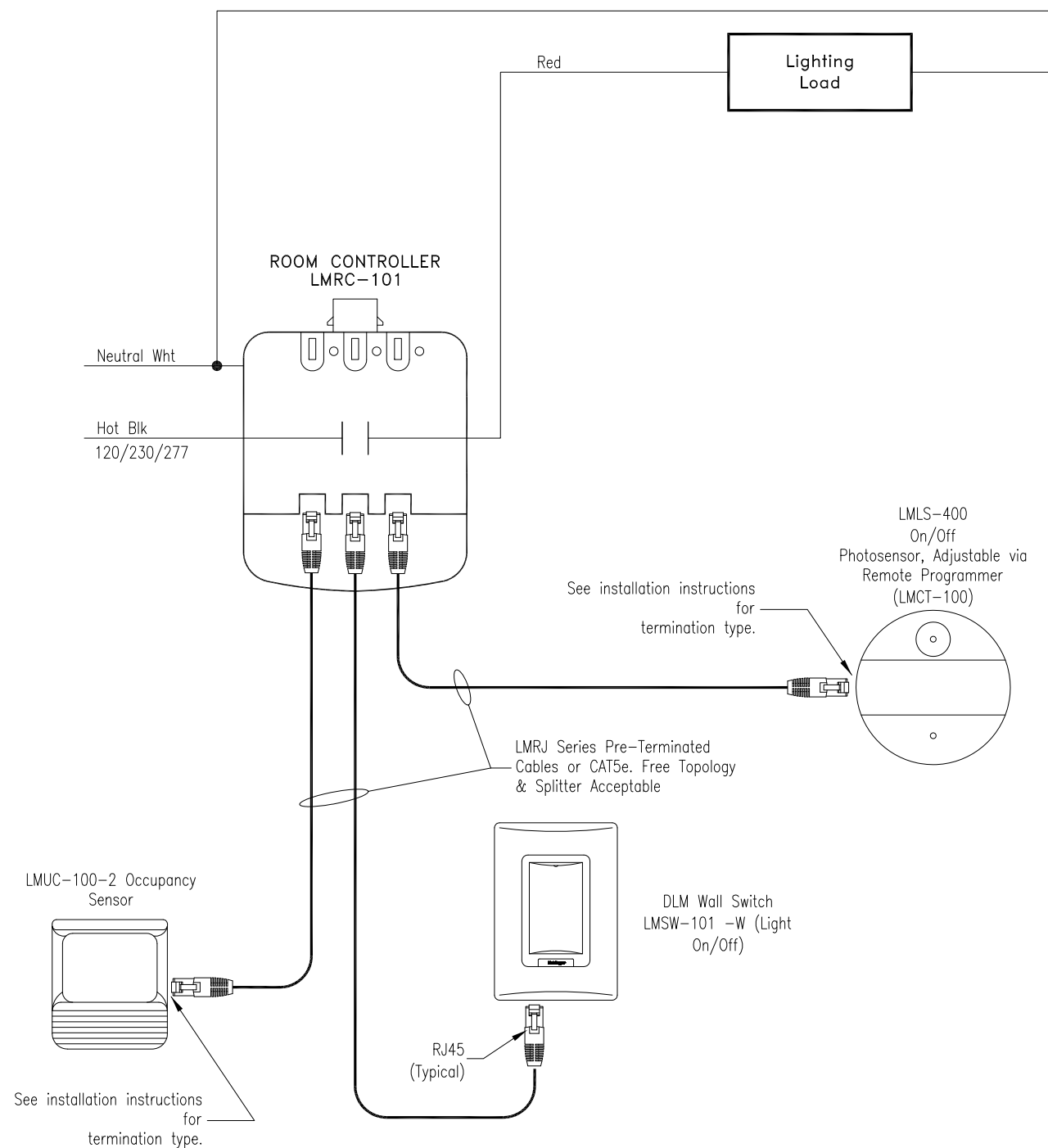
APPROVED: TS

JOB NO. 10.09.10

SHEET NO.

**E3-2**

SCALE: N.T.S.

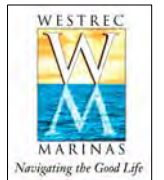


DEVICES ARE PRESET FOR PLUG n' GO™ OPERATION, with field adjustments.

Sequence of Operation: When ambient light levels exceed the off setpoint, the Photosensor turns Lighting Load (a) off. It will turn connected Lighting Load (a) back on when the on setpoint is triggered. The Occupancy Sensor shall turn on the Lighting Load and will remain on for additional 10 minutes (adjustable). The wall switches shall turn on the each load for the time setting for the occupancy sensor (10 minutes adjustable). The products are based on the Watt Stopper DLM System.

## Daylighting On/Off Photosensor with Single-relay Room Controller and Occupancy Sensor - Office Controls

SCALE: N.T.S.



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NO	DATE	ISSUED FOR

PROJECT

**WESTREC FLOATING  
WASHROOMS**

SHEET TITLE  
**ELECTRICAL DETAILS**

DRAWN: NAP	SHEET NO. <b>E3-3</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	

ELECTRICAL NOTES

1. ALL WORK SHALL BE DONE AS PER COMMONWEALTH EDISON, AND THE OWNER’S ELECTRICAL REQUIREMENTS
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AT THE PROJECT SITE BEFORE SUBMITTING BID.
3. THE ELECTRICAL CONTRACTOR SHALL PAY ALL FEES, PROVIDE NECESSARY DOCUMENTS AND LICENSES AND OBTAIN THE REQUIRED PERMITS.
4. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS, DEVICES, EQUIPMENT, WORKMANSHIP AND THE SUCCESSFUL OPERATION OF ALL SYSTEMS AND APPARATUS INSTALLED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE, WITHOUT COST TO THE OWNER.
5. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, SCAFFOLDING, RIGGING AND LABOR NECESSARY FOR A COMPLETE AND WORKING ELECTRICAL SYSTEMS SYSTEM THROUGH–OUT AND IN ACCORDANCE WITH ALL GOVERNING CODES, THE DRAWINGS, APPROVED SUBMITTALS, OWNER’S REQUIREMENTS AND AS SPECIFIED.
6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WARRANTIES AND OPERATING INSTRUCTIONS TO THE ARCHITECT PRIOR TO THE FINAL PAYMENT.
7. THE ELECTRICAL CONTRACTOR SHALL TAKE SUCH PROTECTIVE MEASURES AND PRECAUTIONS AS MAYBE REQUIRED OR NECESSARY TO PREVENT INJURY OR ACCIDENTS TO WORKMEN OR PASSERSBY. PROVIDE GUARD RAILS, FENCES, PLANKING, LIGHTING, ETC.. IN ACCORDANCE WITH THE PARTICULAR CONDITIONS AND O.S.H.A. REQUIREMENTS.
8. REMOVE ALL DEBRIS FROM THE JOB SITE DAILY AND LEAVE ALL WORK AND EQUIPMENT IN A CLEAN WORKING ORDER.
9. THE DRAWINGS DO NOT DETAIL ALL FINAL CONNECTIONS TO EQUIPMENT. THE CONTRACTOR SHALL VERIFY SUCH CONNECTIONS AS PER THE MANUFACTURERS’ SHOP DRAWINGS AND OTHER REQUIREMENTS.
10. LAYOUT IS DIAGRAMMATIC AND THE CONTRACTOR SHALL INSTALL EQUIPMENT, WIRING AND ELECTRICAL WORK TO MEET FIELD CONDITIONS, AND SHALL PROVIDE THE SHOP DRAWINGS AS NECESSARY. EXACT LOCATION OF LIGHTING FIXTURES, ELECTRICAL EQUIPMENT AND RECEPTACLES SHALL BE APPROVED BY THE ARCHITECT. VERIFY ALL CONDITIONS, SUCH AS INTERIOR WALL SYSTEMS, ETC. WITH ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND/OR CONSULT WITH THE ARCHITECT/ENGINEER PRIOR TO ROUGHING–IN FOR ELECTRICAL WORK SUCH AS LIGHTING FIXTURES, OUTLETS, SWITCHES, THERMOSTATS AND OTHER DEVICES TO AVOID FIELD CONFLICTS.
11. COORDINATE ALL WORK WITH THE OTHER TRADES. MAINTAIN PROPER CLEARANCES AND HEADROOM AT THE EQUIPMENT AND DEVICES FOR INSPECTION AND SERVICE. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING EQUIPMENT AND/OR MECHANICAL EQUIPMENT.
12. MAINTAIN AS–BUILT SET OF CONTRACT DRAWINGS ON ALL WORK AS INSTALLED, SHOWING SIZE AND LOCATION CHANGES.
13. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. WHEN EXPOSED CONDUIT RUNS ARE NECESSARY, THEY SHALL BE PIPED IN STRAIGHT LINES, PARALLEL AND/OR PARTICULAR TO THE BUILDING CONSTRUCTION.
14. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK, INCLUDING MOVING AND RIGGING MATERIAL AND EQUIPMENT, ALL HANGERS, SUPPORTS, ANCHORS, EXPANSION MEANS, CONDUIT, WIRE, OUTLET BOXES, FITTINGS AND SLEEVES.
15. ALL TELEPHONE, SECURITY, TV AND DATA RACEWAY SHALL BE DONE BY THE ELECTRICAL CONTRACTOR WITH CONDUIT, OUTLETS, BOXES AND TERMINAL CABINETS. TELEPHONE, SECURITY, TV AND DATA WIRING SHALL BE BY THE OWNER.
16. MECHANICAL CONTRACTORS SHALL FURNISH MOTORS, MOTOR STARTERS, AND CONTROLS FOR MECHANICAL EQUIPMENT PROVIDED FOR THE PROJECT AND SHALL SET ALL LOOSE MOTORS FOR THE MECHANICAL EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL MOUNT ALL STARTERS, FURNISH AND INSTALL ALL DISCONNECT SWITCHES AND PROVIDE ALL POWER WIRING FOR THE MECHANICAL EQUIPMENT. THE MECHANICAL CONTRACTORS SHALL FURNISH MANUAL MOTOR STARTERS FOR SINGLE PHASE MOTORS.
17. ALL MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS, AND SHALL MEET REQUIREMENTS OF ASTM, IEEE, IPCEA, NEC, NEMA, RLM, CBM AND OTHER RECOGNIZED STANDARDS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
18. ALL WIRING DEVICES(SWITCHES, RECEPTACLES, ETC.) SHALL BE STANDARD GRADE
19. ALL GROUNDING, SURGE PROTECTION AND LIGHTNING PROTECTION SHALL BE AS PER COMMONWEALTH EDISON, AND CODE OFFICIALS’ REQUIREMENTS.
20. TEMPERATURE CONTROL WIRING SHALL BE FURNISHED BY THE MECHANICAL CONTRACTORS, UNLESS NOTED OTHERWISE. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120 VOLT POWER SOURCE(S) WHERE REQUIRED FOR THE TEMPERATURE CONTROLS.
21. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY AND INSTALL IN STEEL FRAME SECURED TO THE INTERIOR OF PANEL DOOR. LABEL THE CIRCUIT BREAKERS WITH TYPEWRITTEN LABELS. LABEL ELECTRICAL PANELS, CONTROL BOXES, AND OTHER ELECTRICAL DEVICES WITH ENGRAVED LABELS.
22. PROVIDE WIRING TO ALL PLUMBING EQUIPMENT
23. THE ENGINEER SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR’S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION.
24. THE ENGINEER IS NOT EMPOWERED TO AUTHORIZE OR ISSUE ANY FIELD ORDERS OR TO VERBALLY GIVE DIRECTIONS TO ANY CONTRACTOR WHICH SHALL AFFECT TIME OF COMPLETION OR THE BASE AMOUNT OF THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR, OR ANY OTHER MATTERS RELATING TO THE CONSTRUCTION OF THE SYSTEMS IN GENERAL. ENGINEER SHALL ONLY CLARIFY THE INTENT OF THE DOCUMENTS.
25. EQUIPMENT SHALL BE IDENTIFIED WITH PERMANENT NAMEPLATES AS TO NAME AND/OR FUNCTION (DISTRIBUTION PANELS, LIGHTING PANELS.
26. ALL ELECTRIC WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR SERVICING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL, SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS
27. MINIMUM SIZES OF CONDUITS ARE SHOWN AND SHALL 3/4 INCH FOR ALL OTHER APPLICATIONS. FITTINGS SHALL BE OF THE COMPRESSION TYPE. PROVIDE GREEN GROUND WIRE IN FEEDERS. EMT MAY BE USED FOR FEEDERS AND BRANCH CIRCUITS RUN ABOVE SUSPENDED CEILINGS OR CONCEALED IN INTERIOR PARTITIONS 3/4 INCH MINIMUM SIZE. ABOVE 1 INCH SIZE SHALL NOT BE CONCEALED IN POURED CONCRETE SLAB OR WALLS. IMC OR HEAVY WALL CONDUIT SHALL HAVE THREADED CONNECTIONS. CONDUIT SYSTEMS INSTALLED IN PLENUM CEILINGS SHALL CONFORM TO REQUIREMENTS FOR PLENUM CEILING INSTALLATIONS.
28. OUTLETS BOXES SHALL BE STEEL, GALVANIZED. SIZES 4 AND 4–11/16 INCH, WITH FIXTURE STUDS, AS REQUIRED. FLUSH DEVICE BOXES WITH METAL COVER PLATES SHALL BE FINISHED TO MATCH ADJACENT HARDWARE FOR CONCEALED USE.
29. SWITCHES FOR LIGHTING CIRCUIT SHALL BE 120 VOLT, 20 AMPERE.
30. RECEPTACLES SHALL BE OF THE NEMA GROUNDING TYPE DUPLEX RECEPTACLES. WATERPROOF RECEPTACLE SHALL HAVE STAINLESS STEEL DEVICE PLATE, WITH PVC GASKET COVER PLATE.
31. DISCONNECT SWITCHES SHALL BE FUSED OR NON–FUSED HEAVY DUTY, NEMA TYPE AS REQUIRED BY CODE, IN ENCLOSURE SUITABLE FOR THE APPLICATION.
32. LIGHTING FIXTURES SHALL BE AS FOLLOWS: FLUORESCENT FIXTURE SHALL BE FOR RAPID START LAMPS SHALL BE U.L. LISTED AND NEC APPROVED. WITH HIGH POWER FACTOR ELECTRONIC BALLAST.

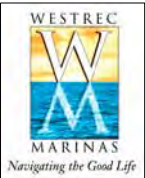
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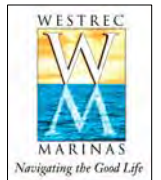
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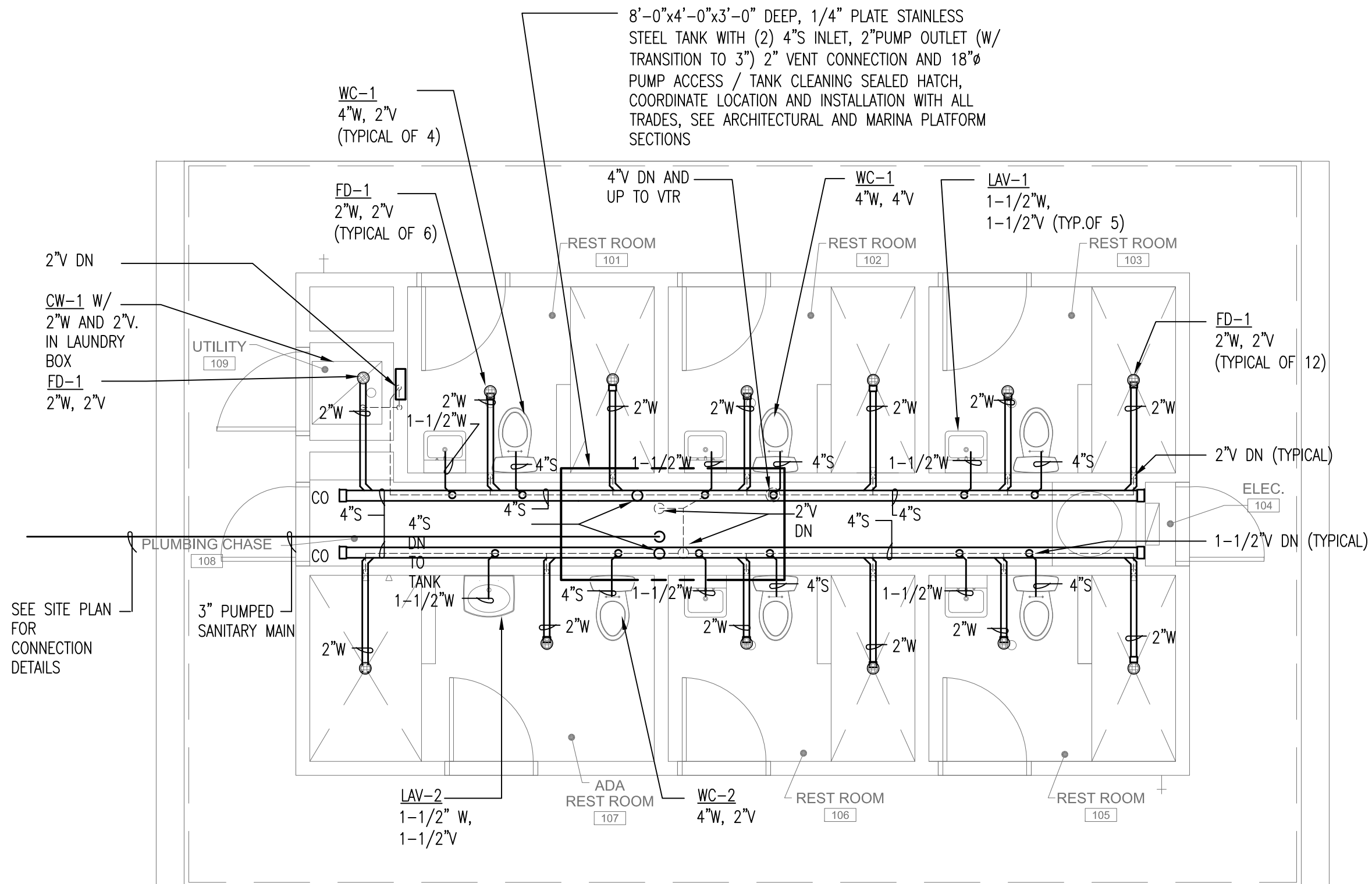
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1 PLUMBING PLAN - SANITARY  
SCALE: 1/4" = 1'-0"

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SHEET TITLE

### PLUMBING FLOOR PLAN - SANITARY

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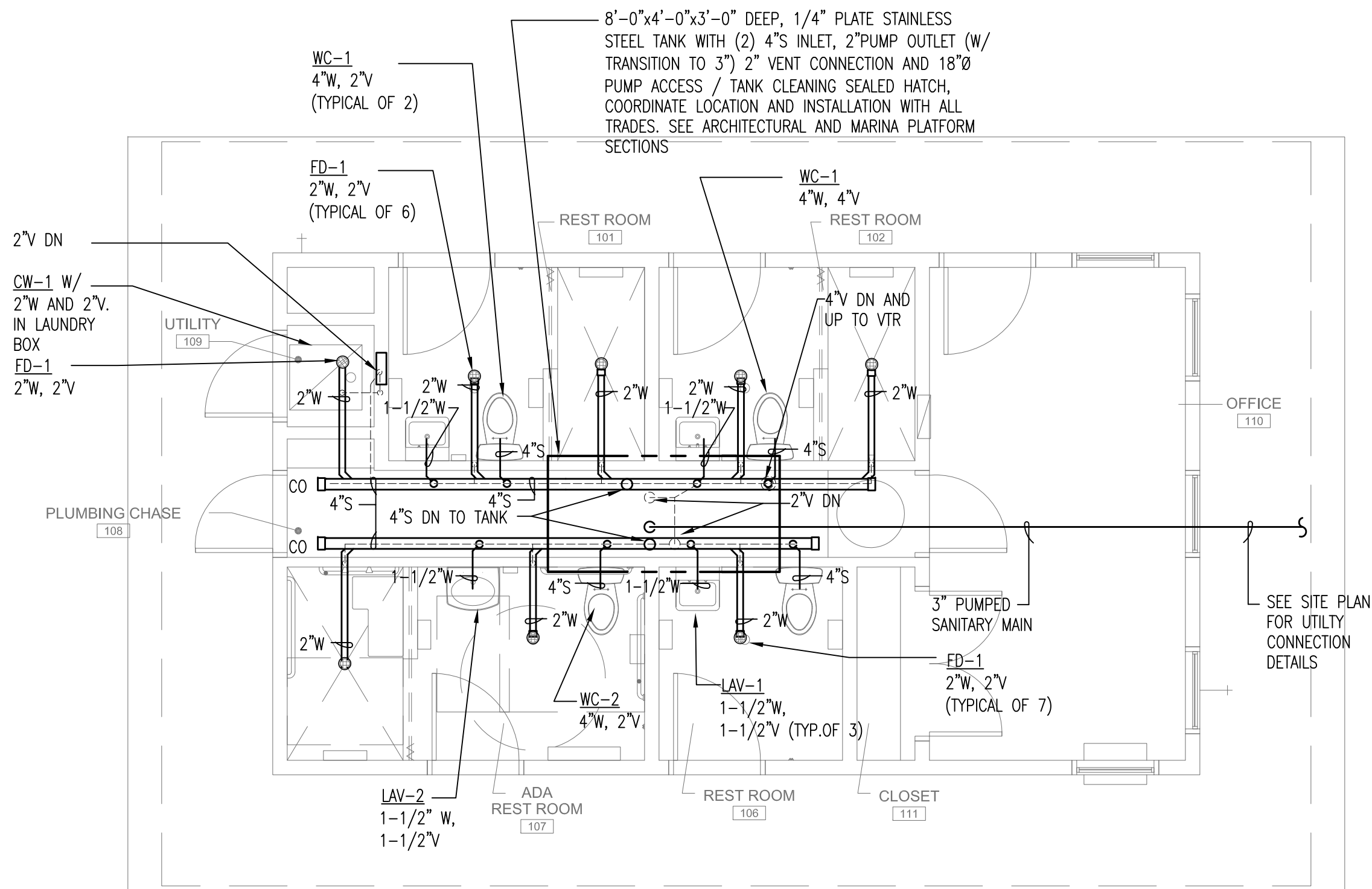
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SHEET NO.

**P1-1**





**1 PLUMBING PLAN - SANITARY**  
SCALE: 1/4" = 1'-0"

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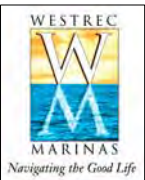
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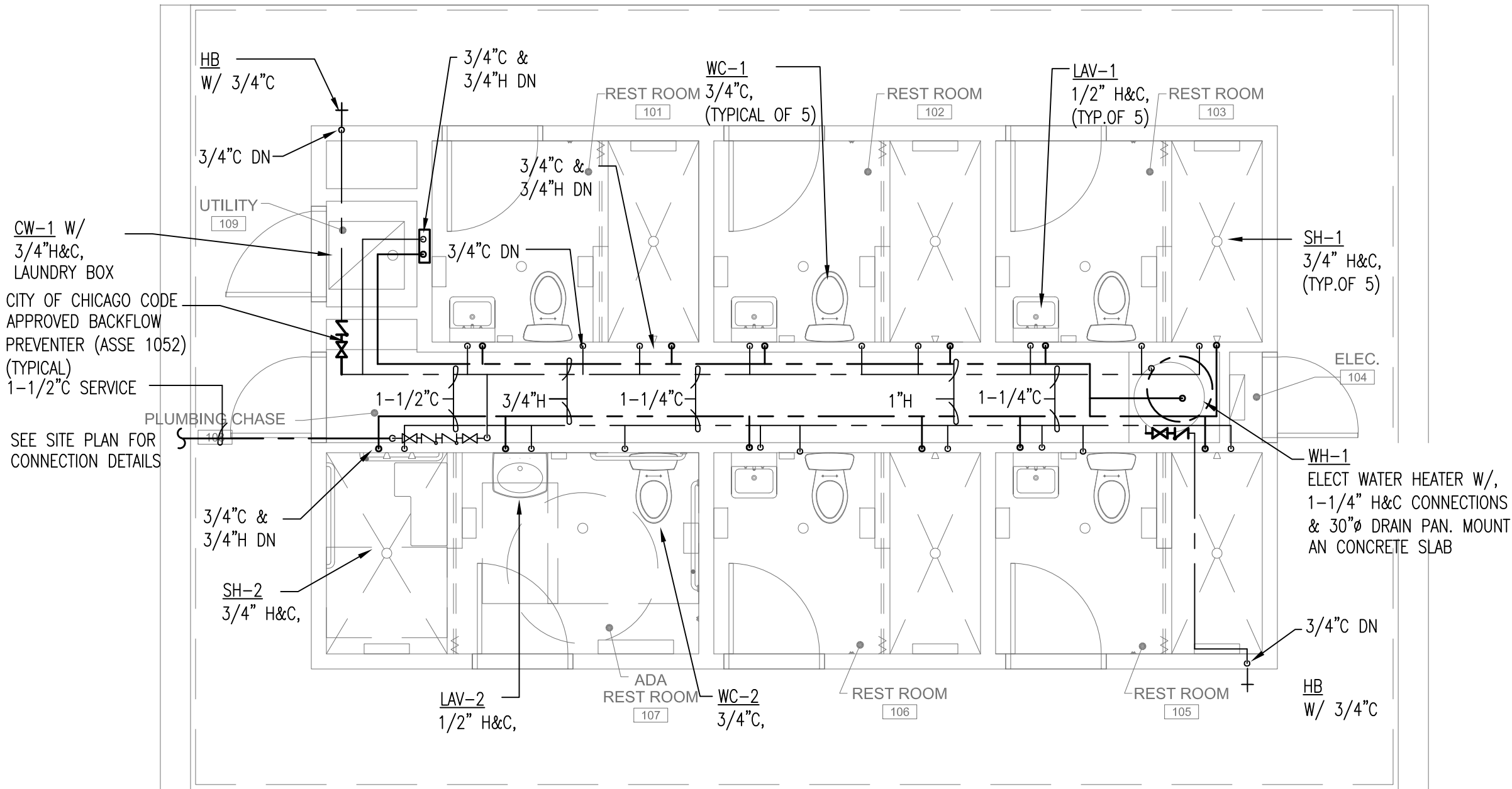
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**PLUMBING FLOOR PLAN - SANITARY (JACKSON)**

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1 PLUMBING PLAN - WATER  
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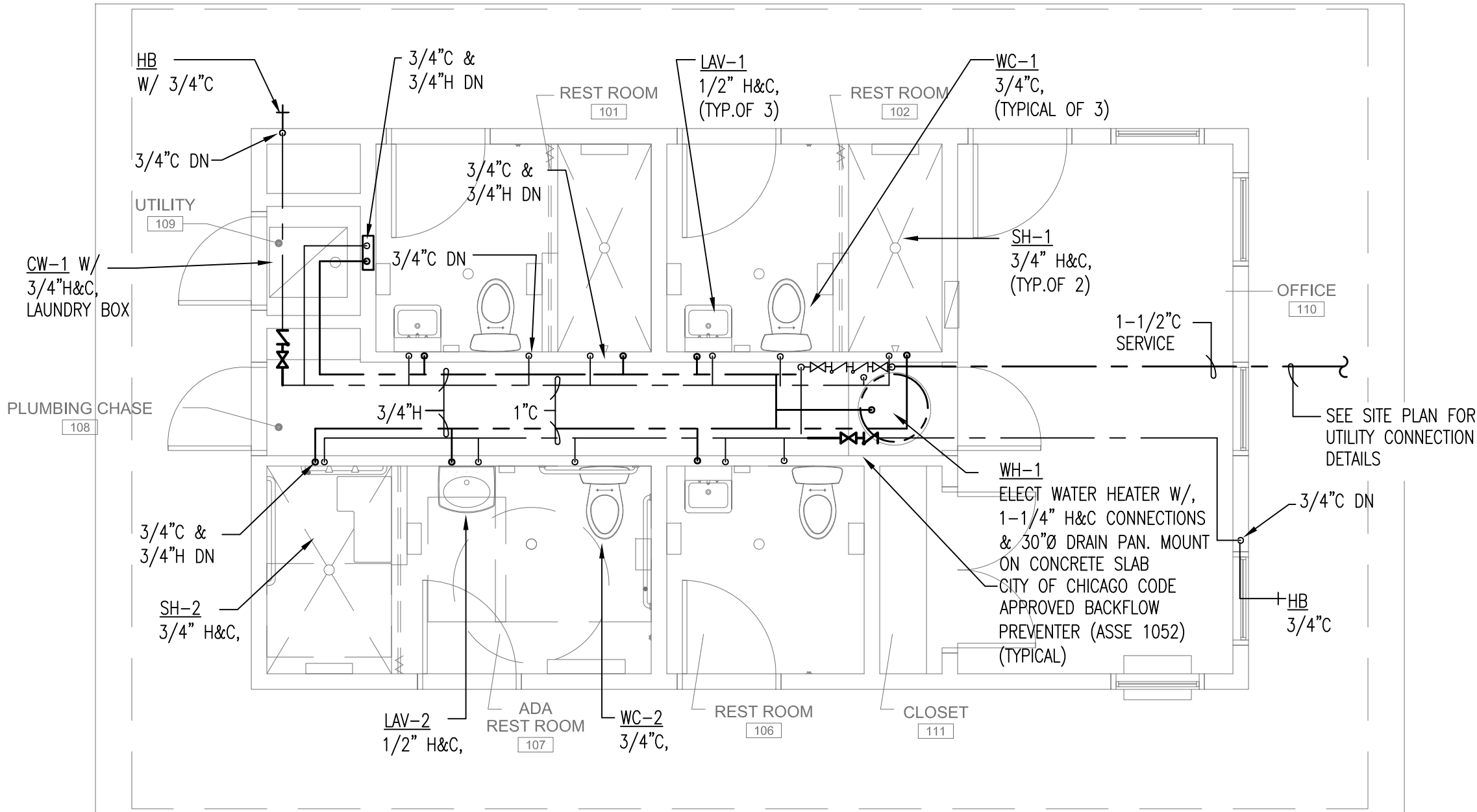
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**PLUMBING FLOOR  
PLAN - WATER**

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1 PLUMBING PLAN - WATER  
SCALE: 1/4" = 1'-0"

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WASHROOMS**

SHEET TITLE  
**PLUMBING FLOOR PLAN -  
WATER (JACKSON)**

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APPROVED: TS	
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PLUMBING FIXTURE SCHEDULE

MANUFACTURERS:								
VITREOUS CHINA AND ENAMELED STEEL FIXTURES:			AMERICAN-STANDARD, KOHLER, ELJER					
SINGLE HANDLE FAUCETS:			CHICAGO, SLOAN, SYMMONS					
NON-FREEZE SILL COCKS:			WOODFORD, JR SMITH					
WATER HEATERS:			RHEEM, STATE, A.O. SMITH, RUUD, PVI					
SUMP AND SEWAGE EJECTORS:			HYDROMATIC, WEIL, ZOELLER					
SHOWER AND BATHTUB VALVES AND OUTLETS:			POWERS, SYMMONS, CHICAGO					
FLOOR DRAINS, CARRIERS:			JR SMITH, JOSAM, WADE, ZURN					
TOTAL NUMBER OF FIXTURES	FIXTURE TAG	MODEL NUMBER	FAUCET AND FITTINGS	ADA REQUIRED	MATERIALS	DIMENSIONS	MOUNTING	DESCRIPTION
5	WC-1	AMER STD GLENWALL PRESSURE-ASSISTED WALL MOUNTED 2093.100	SLOAN FLUSHMATE TANK SYSTEM	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	VITREOUS CHINA	30" HIGH AFF X 29.5" DEEP X 19.5" WIDE	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	1.6 GALLONS PER FLUSH, MINIMUM 20 PSI WATER SUPPLY , EXTRA HEAVY DUTY OPEN FRONT SEAT W/O COVER, BEMIS/ CHURCH/ AM STD SEAT.
1	WC-2	AMER STD GLENWALL PRESSURE-ASSISTED WALL MOUNTED 2093.100	SLOAN FLUSHMATE TANK SYSTEM	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	VITREOUS CHINA	30" HIGH AFF X 29.5" DEEP X 19.5" WIDE	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	1.6 GALLONS PER FLUSH, MINIMUM 20 PSI WATER SUPPLY , EXTRA HEAVY DUTY OPEN FRONT SEAT W/O COVER, BEMIS/ CHURCH/ AM STD SEAT.
5	LAV-1	AMER STAND LUCERNE 0355.012 OR 0356.421	CHICAGO FAUCET 116.201.21.1 HYTRONIC BATTERY POWERED SENSOR	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	VITREOUS CHINA	20.5 X 18.25, 4 INCH CENTERS OR SINGLE HOLE	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	CAST GRID DRAIN WITH 1 ¼" TAILPIECE, 1 ¼ X 1 ¼ SEMI CAST, 17 GAUGE, "P" TRAP WITH CLEAN OUT.
1	LAV-2	AMER STAND LUCERNE 0355.012 OR 0356.421 ADA MOUNTING AND CLEARANCE	CHICAGO FAUCET 116.201.21.1 HYTRONIC BATTERY POWERED SENSOR	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	VITREOUS CHINA	20.5 X 18.25, 4 INCH CENTERS OR SINGLE HOLE	WALL MOUNTED WITH CONCEALED CHAIR CARRIER	ADA CLEARANCES, INSULATED STOP AND TRAP COVERS, CAST GRID DRAIN WITH 1 ¼" TAILPIECE, 1 ¼ X 1 ¼ SEMI CAST, 17 GAUGE, "P" TRAP WITH CLEAN OUT.
5	SH-1	BASIN AND SURROUND BY GENERAL CONTRACTOR	POWERS E420 SERIES OR CHICAGO FAUCET 1907- 600CP, THERMOSTATIC, PRESSURE BALANCING	NOT APPLICABLE	MAXIMUM 110F, CHECK-STOP, SURFACE MOUNTED CHROMED BRASS, SHOWER HEAD		THERMOSTATIC/PRESSURE BALANCING SHOWER VALVE, ADJUSTABLE PATTERN SHOWER HEAD, ARM AND WALL FLANGE 1/2" NOMINAL COPPER HOT AND COLD SUPPLY INLETS AND OUTLETS, SHOWER VALVE CYCLES FROM COLD TO HOT, THERMOSTATIC/PRESSURE BALANCING CARTRIDGE INTEGRAL SERVICE STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP	
1	SH-2	BASIN AND SURROUND BY GENERAL CONTRACTOR	POWERS E420 SERIES OR CHICAGO FAUCET 1907- 600CP, THERMOSTATIC, PRESSURE BALANCING	SEE ARCHITECT DWGS FOR MOUNTING HEIGHTS	WHEELCHAIR ACCESSIBLE SHOWER WITH DRAIN AND ADA FITTINGS AND RAMP,MAXIMUM 110F, CHECK- STOPS, SURFACE MOUNTED CHROMED BRASS, SHOWER HEAD WITH BY-PASS DIVERTER, REMOVABLE HAND HELD HEAD & HOSE, WALL HOOKS, INLINE VACUUM BREAKER.		THERMOSTATIC/PRESSURE BALANCING SHOWER VALVE, ADJUSTABLE PATTERN SHOWER HEAD, ARM AND WALL FLANGE 1/2" NOMINAL COPPER HOT AND COLD SUPPLY INLETS AND OUTLETS, SHOWER VALVE CYCLES FROM COLD TO HOT, THERMOSTATIC/PRESSURE BALANCING CARTRIDGE INTEGRAL SERVICE STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP	
	SE-1	MYERS MODEL WHR 10 H	2 INCH DISCHARGE WITH CHECK AND GATE VALVES, UNION	NOT APPLICABLE	CAST-IRON CASING, HOUSING AND IMPELLERS, STAINLESS STEEL SHAFT,	2 HP,3450 RPM, 208/240 VOLT, 1 PHASE, 70 GPM AT 55 FOOT HEAD	MOUNT IN 24" DIAMETER BASIN W/ SEALED COVER, VENT AND DISCHARGE CONNECTIONS.	2 INCH SUBMERSIBLE SEWAGE EJECTOR PUMP, STAINLESS STEEL SHAFT, PERFORATED STEEL PLATE STRAINER (ELEVATED ABOVE BOTTOM OF BASIN). PROVIDE WITH HIGH WATER ALARM, CODE APPROVED SANITARY DISCHARGE LOCATION REQUIRED.

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SHEET TITLE <b>PLUMBING SCHEDULES</b>	
DRAWN: NAP	SHEET NO. <b>P2-1</b>
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JOB NO. 10.09.10	



PLUMBING FIXTURE SCHEDULE								
MANUFACTURERS:								
VITREOUS CHINA AND ENAMELED STEEL FIXTURES:			AMERICAN-STANDARD, KOHLER, ELJER					
SINGLE HANDLE FAUCETS:			CHICAGO, SLOAN, SYMMONS					
NON-FREEZE SILL COCKS:			WOODFORD, JR SMITH					
WATER HEATERS:			RHEEM, STATE, A.O. SMITH, RUUD, PVI					
SUMP AND SEWAGE EJECTORS:			HYDROMATIC, WEIL, ZOELLER					
SHOWER AND BATHTUB VALVES AND OUTLETS:			POWERS, SYMMONS, CHICAGO					
FLOOR DRAINS, CARRIERS:			JR SMITH, JOSAM, WADE, ZURN					
TOTAL NUMBER OF FIXTURES	FIXTURE TAG	MODEL NUMBER	FAUCET AND FITTINGS	ADA REQUIRED	MATERIALS	DIMENSIONS	MOUNTING	DESCRIPTION
	SANITARY BASIN	FABRICATED FOR PROJECT	TWO 4" SANITARY INLETS, ONE 2" VENT OUTLET, 2" PUMPED OUTLET, SEALED POWER CORD OPENING,	NOT APPLICABLE	0.25 INCH THICK STAINLESS STEEL PLATE	MINIMUM 96 CU FT VOLUME: 48' WIDE X 96" LONG X 36" DEEP	MOUNT ON UNDERSIDE OF FLOATING BARGE STRUCTURE,	MOUNT IN PLUMBING SHAFT WITH FULL ACCESS TO PLUMBING CONNECTIONS. PROVIDE MINIMUM 18" DIAMETER PUMP REPAIR /REPLACEMENT AND TANK CLEANING SEALED ACCESS PANEL
	FD-1	JR SMITH MODEL 2010	NOT APPLICABLE	NOT APPLICABLE	CAST IRON WITH NICKEL BRASS FINISHES	2, 3 4 INCH OUTLETS AS REQUIRED	RECESSED, FLOOR MOUNTED	5 INCH DIAMETER NICKEL BRASS STRAINER HEAD, PROVIDE WITH FUNNEL AS REQUIRED FOR CONDENSATE OR OTHER INDIRECT DRAIN REQUIREMENTS.
	HB	WOODFORD B75 OR RB- 75				RECESSED SILL COCK, WITH FLUSH LOCKING COVER, ANTI SIPHON VACUUM BREAKER, CHROME FINISHED EXTERIOR AND FLUSH COVER. PROVIDE WITH ASSE-1052, TESTABLE, CODE-APPROVED WALL MOUNTED BACKFLOW PREVENTER.		
1	LB/CW	LAUNDRY BOX GUY GRAY MODEL	NOT APPLICABLE	NOT APPLICABLE				LAUNDRY BOX WITH 20 AMP GFCI RECEPTACLE, 2 INCH DRAIN PIPE CONNECTION AND (2) 3/4" HOSE BIBB (HOT AND COLD) CONNECTIONS WITH 1/2" SWEATED BRASS CONNECTIONS.
19	TOTAL							
GENERAL PLUMBING FIXTURE NOTES								
1	ALL PUBLIC PLUMBING FIXTURE INSTALLATIONS SHALL BE VANDALPROOF AND ADA ACCESSIBLE.							
2	FIXTURE AND EQUIPMENT LOCATIONS, COLORS, AND MOUNTING SHALL BE APPROVED BY THE ARCHITECT AND OWNER.							
3	PROVIDE CHICAGO OR MCGUIRE BRASS/CHROME, HEAVY-DUTY ANGLE STOPS ON ALL FIXTURES, VANDALPROOF HANDLE AS NECESSARY . 1/4 TURN, LOOSE-KEY IN PUBLIC AREAS IS ACCEPTABLE.							
4	ALL SINKS AND OTHER FIXTURES SHALL HAVE 17 GAUGE CAST BRASS/CHROME TUBING AND TRAPS WITH CLEAN OUTS							
5	ALL HANDICAP ACCESSIBLE FIXTURES SHALL HAVE TRAPS AND SUPPLY PIPING WITH INSULATION, TIGHT TO WALL							
6	HANDICAP, ACCESSIBLE PLUMBING FIXTURE MATERIALS AND INSTALLATIONS SHALL MEET STATE OF ILLINOIS, ADA AND ANSI REQUIREMENTS. INSULATE TRAP, SUPPLIES AND MIXING VALVES WITH MCGUIRE, PRO-WRAP, OR TRUEBRO PREFABRICATED PIPE WRAP.							
7	ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES AS ADA AND ANSI							
8	PROVIDE VANDALPROOF ANSI 1016/1017 115F MAXIMUM MIXING VALVE FOR EACH FAUCET.							
9	THERE ARE USES FOR THE ACCESSIBLE SHOWERS AND PROPER FITTINGS MUST BE PROVIDED TO FACILITATE THE INTENT: 1) FIXED SHOWER HEAD WITH ADJUSTABLE OUTLET, 2) HANDHELD SHOWER HEAD WITH SLIDING SHOWER HEAD HOOK, DIVERTOR BETWEEN FIXED HEAD AND HAND-HELD HEAD. ALL THREE FEATURES MUST BE INSTALLED.							
PLUMBING MATERIALS AND ACCESSORIES:								
1	SUSPENDED WASTE AND VENT PIPING, PIPE 2-1/2" AND LARGER SERVICE WEIGHT HUB AND SPIGOT CAST IRON PIPE. 2" AND SMALLER TYPE K COPPER.							
2	INTERIOR HOT AND COLD WATER DISTRIBUTION PIPING, 3" AND SMALLER - TYPE L HARD DRAWN COPPER TUBING.							
3	ALL UNDERGROUND SANITARY SEWER LINES SHALL BE STANDARD SERVICE WEIGHT, CAST-IRON OF SIZES INDICATED ON THE DRAWING. MINIMUM SIZE IS 4 INCH DIAMETER.							
4	IN ALL CASES WHERE COPPER PIPE CONNECTIONS ARE MADE TO DISSIMILAR METAL, PROVIDE DIELECTRIC FITTINGS.							
5	BALL VALVES FOR SHUT-OFF SHALL BE AS MANUFACTURED BY MILWAUKEE OR NIBCO.							
6	FLOOR DRAINS FOR GENERAL AREA OR TOILET ROOMS, ROUND POLISHED BRONZE TOP.							
7	PROVIDE PROPER AIR CHAMBERS AS PER CITY AND STATE PLUMBING CODE. 12 INCH AT EACH FIXTURE SUPPLY AND 24 INCH HIGH AT TOP							


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NO	DATE	ISSUED FOR

PROJECT

WESTREC FLOATING  
WASHROOMS

SHEET TITLE

PLUMBING  
SCHEDULES

DRAWN: NAP

CHECKED: TS

APPROVED: TS

JOB NO. 10.09.10

SHEET NO.

P2-2

WATER HEATER SCHEDULE

STATE, AO SMITH, RHEEM, BRADFORD-WHITE, LOCHINVAR EQUAL MODELS APPROVED. EXCEED ASHRAE ENERGY STDS, 120 VOLT POWER TO IGNITION AND/OR VENT SYSTEM, P & T RELIEF VALVE RUN TO PLUMBING DRAIN, PROVIDE CODE-APPROVED EXPANSION TANK (2 OR 5 GALLON IF REQUIRED), DI-ELECTRIC UNIONS; ASME, NSF, UL, AGA APPROVAL AS REQUIRED.

THE WATER HEATER DESIGN AND INSTALLATION SHALL MEET TO REQUIREMENTS ON THE INTERNATIONAL ENERGY CONSERVATION CODE AND CHICAGO ENERGY CONSERVATION CODE (CBC 13 (18-13-804.1).

PROVIDE 18 GAUGE DRAIN PAN AND AUXILIARY WASTE LINE TO CODE-APPROVED OPEN SITE SANITARY DRAIN. MOUNT ON STRUCTURE (MINIMUM 1-1/2 INCH ANGLE STEEL) HIGH ABOVE FLOOR.

**ELECTRIC WATER HEATER FEATURES:** SURFACE MOUNTED THERMOSTAT STEP CONTROL (MODULATION) OR IMMERSION THERMOSTATS, 3" (76MM) NON-CFC FOAM INSULATION FACTORY INSTALLED HYDROJET®SEDIMENT REDUCTION SYSTEM VITRAGLAS® LINING—ENGINEERED ENAMEL PROTECTION FROM THE HIGHLY CORROSIVE EFFECTS OF HOT WATER. WATER CONNECTIONS—1 1/2" NPT FACTORY INSTALLED TRUE DIELECTRIC FITTINGS EXTEND WATER HEATER LIFE AND EASES INSTALLATION. ELEMENTS—SCREW IN STYLE. N TWO MAGNESIUM ANODE RODS, HAND HOLE CLEANOUT, ASME CONSTRUCTION COMPLETELY PRE-WIRED—WITH PRESSURE LUG TERMINAL BLOCK

HEATER TAG	MODEL NO.	ENERGY INPUT (KW)	INSULATION	STORAGE VOLUME (GALS)	RECOVERY CAPACITY AT 90F RISE (GALS/HR)	DIMENSIONS ("DIAMETER X " HEIGHT)	CLEARANCE
WH-1	BRADFORD WHITE M-H-80(A)-18 KW-3SF	18	2 INCH FOAM	80	83	26" DIAMETER X 62" HIGH	36" IN FROM FRONT
		KW					

PLUMBING FIXTURE UNIT SCHEDULE

PLUMBING FIXTURE TAG	PLUMBING FIXTURE TYPE	TOTAL NUMBER	WATER FIXTURE UNITS PER FIXTURE	TOTAL WATER UNITS	SANITARY FIXTURE UNITS PER FIXTURE	TOTAL SANITARY UNITS	COMMENTS
WC	WATER CLOSET-- FLUSH-TANK PUBLIC	6	5	30	4	24	
LAV	LAVATORY PUBLIC	6	2	12	1	6	
BT/SH	BATHTUB/SHOWER PUBLIC	6	3	18	3	18	
		18		60		48	
NEW DOMESTIC WATER SERVICE (DIAMETER ")			1.5	34			
PIPE PRESSURE DROP (PSI/FT SMOOTH PIPE)			1.5	GPM			
PIPE LENGTH (EQ. FT.)			100				
BACKFLOW PREVENTER PRESSURE DROP (PSI)			5.0				
HEIGHT OF HIGHEST FIXTURE (FEET)			6				
SUMMARY OF BUILDING PRESSURE REQUIREMENTS							
WATER METER LOSS:			5.0	psi			
STATIC LOSS (HEIGHT X 0.434 PSI/FT)			2.6	psi			
PIPE LOSS (EQUIVALENT LINEAR FEET X PSI/100) =			1.5	psi			
REQUIRED OUTLET PRESSURE:			25	psi			
TOTAL PRESSURE REQUIREMENT:			34.1	psi			
AVAILABLE CITY PRESSURE::			-35	psi			
EXTRA PRESSURE:			0.9	psi			
NO BOOSTER PUMP			0	psi			
			0.9	psi			

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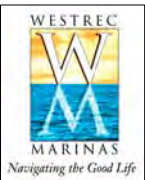
PROJECT

WESTREC FLOATING WASHROOMS

SHEET TITLE

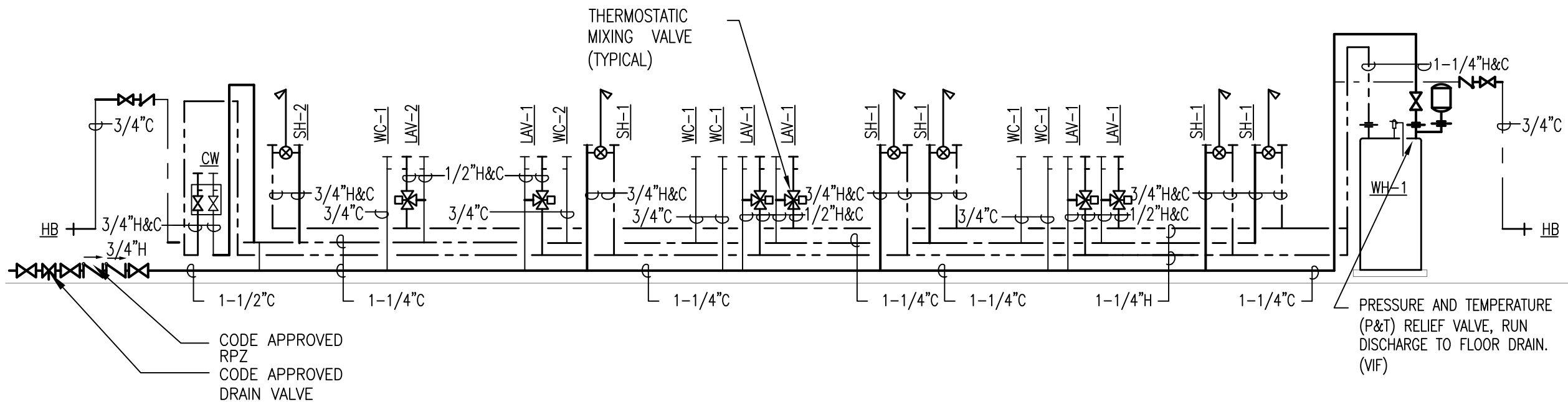
PLUMBING SCHEDULES

DRAWN: NAP	SHEET NO.  <b>P2-3</b>
CHECKED: TS	
APPROVED: TS	
JOB NO. 10.09.10	



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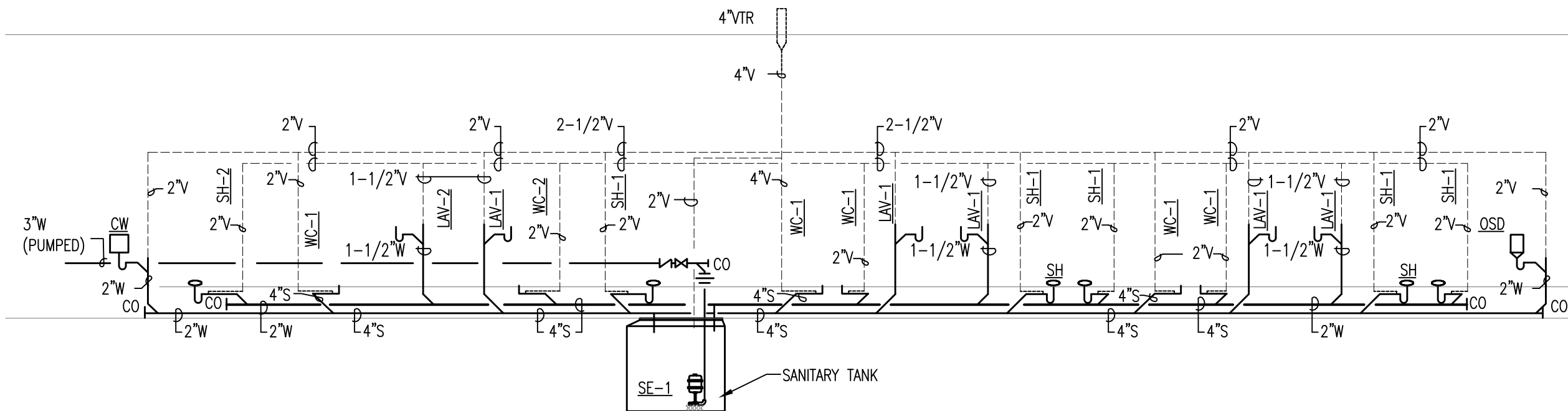
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## DOMESTIC WATER RISER DIAGRAM

1

SCALE: N.T.S.



## SANITARY RISER DIAGRAM

2

SCALE: N.T.S.

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### PROJECT

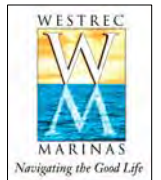
**WESTREC FLOATING  
WASHROOMS**

### SHEET TITLE

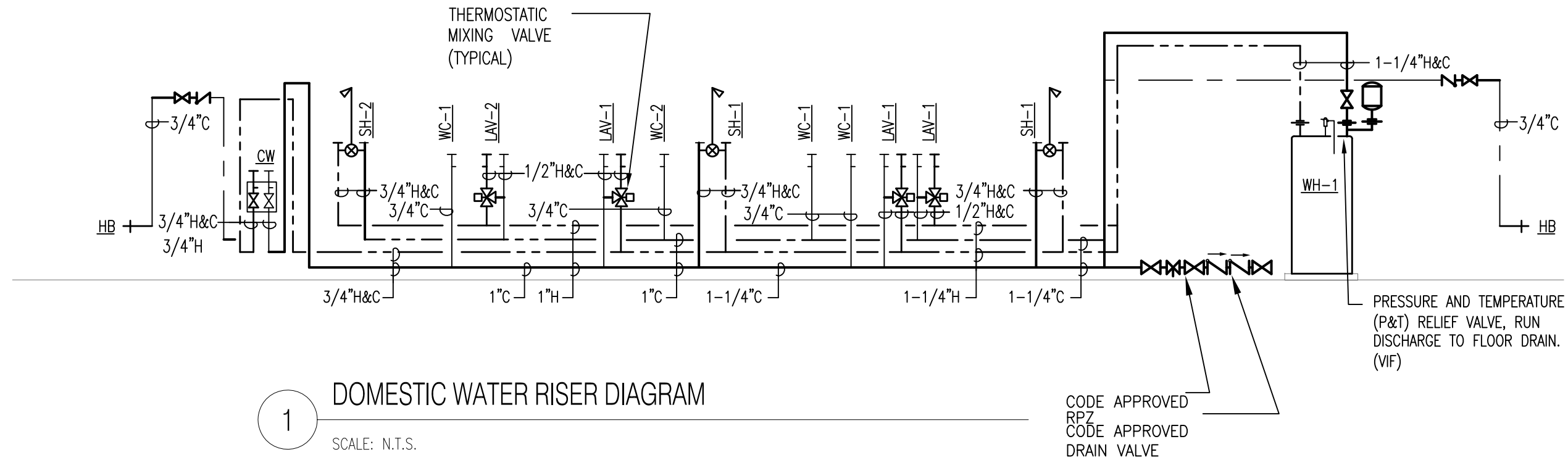
**PLUMBING RISERS**

DRAWN: NAP	SHEET NO. <b>P3-1</b>
CHECKED: TS	
APPROVED: TS	
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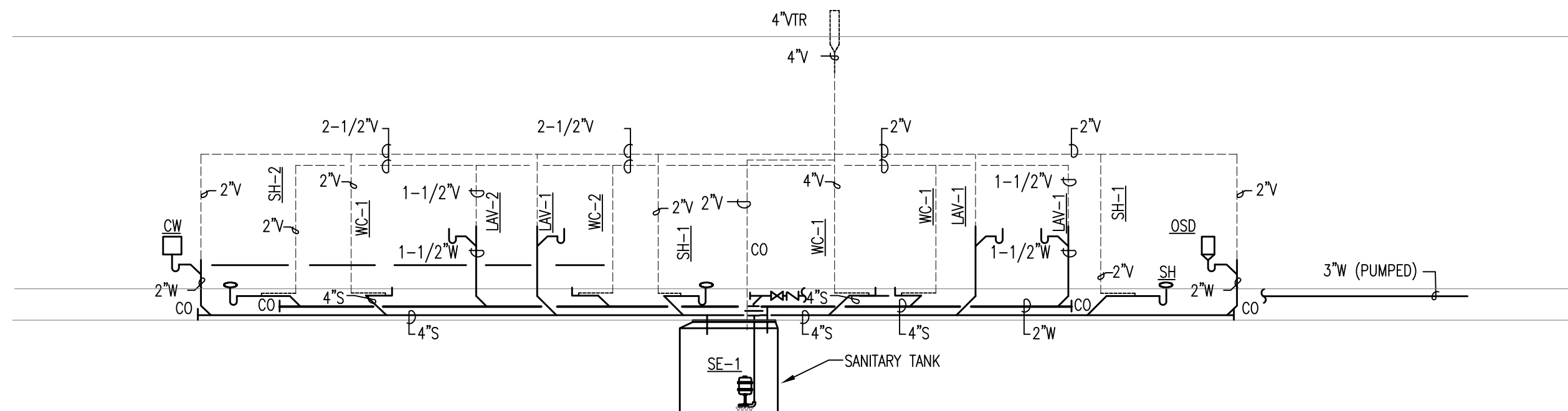
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## DOMESTIC WATER RISER DIAGRAM

SCALE: N.T.S.

CODE APPROVED  
RPZ  
CODE APPROVED  
DRAIN VALVE



## SANITARY RISER DIAGRAM

SCALE: N.T.S.

5	07/18/2011	ISSUE FOR BID
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NO	DATE	ISSUED FOR

PROJECT	
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## WESTREC FLOATING WASHROOMS

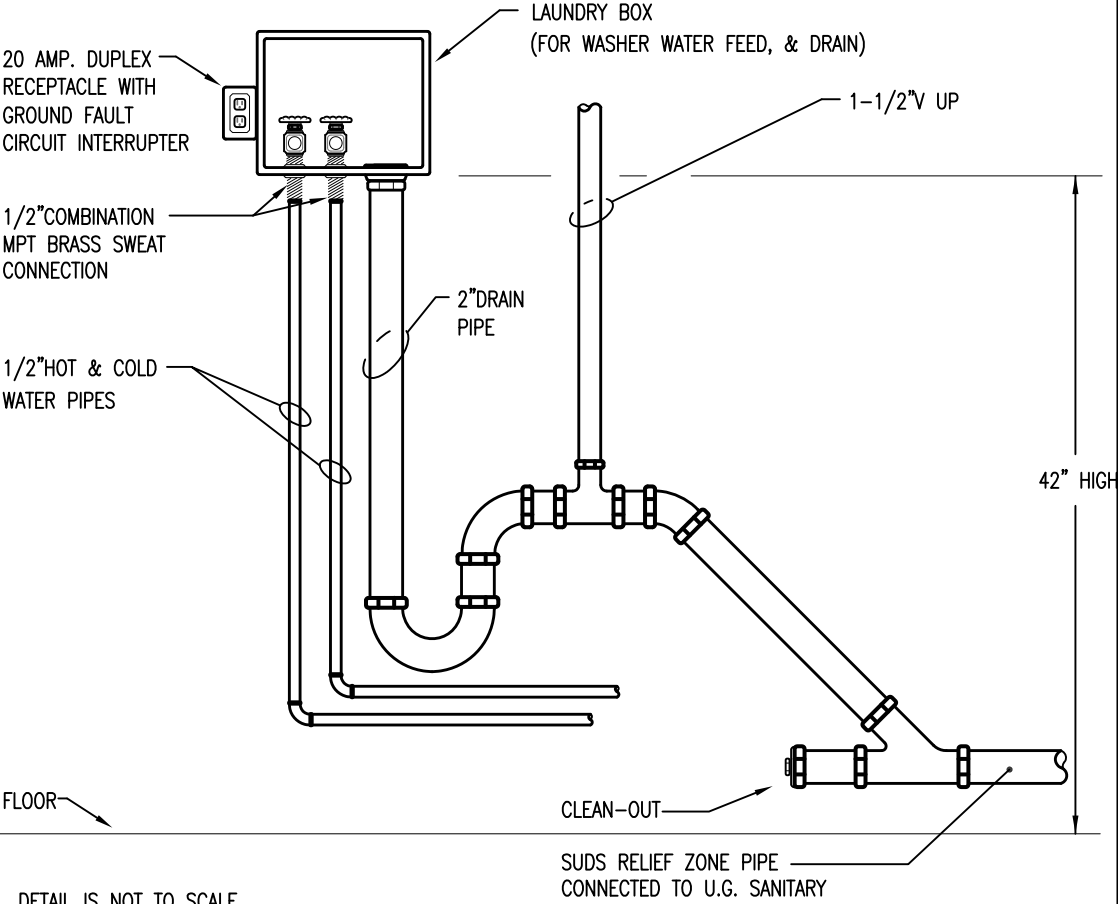
SHEET TITLE  
**PLUMBING RISERS  
(JACKSON)**

DRAWN: NAP
CHECKED: TS
APPROVED: TS
JOB NO. 10.09.10

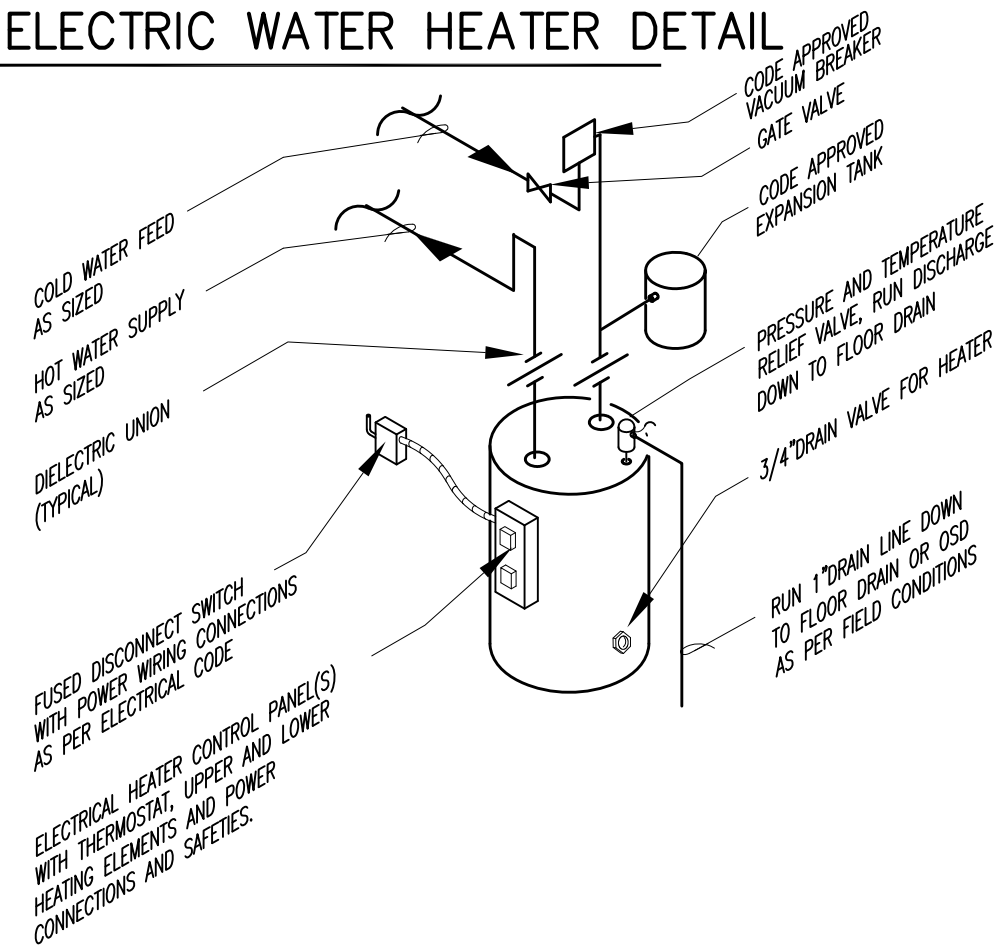
SHEET NO.  
**P3-1J**



LAUNDRY BOX DETAIL



ELECTRIC WATER HEATER DETAIL



PLUMBING SYMBOL LIST NOTE THAT ALL SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

PIPE FITTINGS	
	GATE VALVE ON VERTICAL PIPE
	STRAINER
	DIRECTION OF FLOW
	GATE VALVE
	CHECK VALVE
	BALANCING COCK OR, NATURAL GAS COCK
	PITCH DOWN IN DIRECTION OF FLOW
	RISER (ELBOW) DOWN
	CAPPED PIPE END
	RISER (TEE) DOWN
	RISER (ELBOW) UP
	RISER (TEE) UP
	UNION (FLANGED)
	UNION
	VENT PIPING
	STORM DRAIN, SUSPENDED, DOWNSPOUT (DS)
	SANITARY (SOIL) OR WASTE SEWER (S,W)
	FOOTING OR SUB-SOIL DRAIN TILE
	DOMESTIC COLD WATER (CW OR C)
	DOMESTIC HOT WATER SUPPLY (HW OR H) (WITH TEMPERATURE IF NOT 140F)
	CLEAN OUT (CO) PLUG
	YARD CLEAN OUT
	FLOOR CLEAN OUT
	WALL CLEAN OUT (WCO)
	NATURAL GAS-LOW PRESSURE
	PIPE GUIDE OR SLEEVE
	MAN HOLE (MH)
	CATCH BASIN (CB)
	STORM CATCH BASIN (SCB)
	FLOOR DRAIN
	OPEN SITE DRAIN

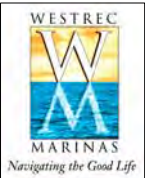
ABBREVIATIONS	
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CI	CAST IRON
CW	CLOTHES WASHING MACHINE
DN	DOWN
DV	DRAIN VALVE
DS	DOWN SPOUT
DW	DISH WASHING MACHINE
DWP	DOMESTIC WATER PUMP
EX	EXISTING
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FS	FLOOR SINK
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
HB	HOSE BIBB
HD	HUB OR FUNNEL DRAIN
INV ELEV	INVERT ELEVATION
KS	KITCHEN STACK
KW	KITCHEN WASTE
LAV	LAVATORY
MB	MOP BASIN
NFSC	NON-FREEZE SILL COCK
NIC	NOT IN CONTRACT
OSD	OPEN SITE DRAIN
PS	PLUMBING STACK
RD	ROOF DRAIN
ROB	ROD OUT BASIN
SK	SINK
SS	SERVICE SINK OR, STAINLESS STEEL
SE	SEWAGE EJECTOR
SP	SUMP PUMP
TYP	TYPICAL
U.G.	UNDER GROUND
UR	URINAL
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
WS	WASTE STACK
WC	WATER CLOSET (TOILET)
YCO	YARD CLEAN OUT

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